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# TECHNICAL MEMORANDUM A SUMMARY OF INORGANIC CHEMICAL CONCENTRATIONS IN BACKGROUND SOIL AND GROUNDWATER CNC CHARLESTON SC

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CH2MHILL

TECHNICAL MEMORANDUM

# A Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater at the CNC

***Charleston Naval Complex***
***North Charleston, South Carolina***

SUBMITTED TO
***U.S. Navy Southern Division***
***Naval Facilities Engineering Command***

PREPARED BY
***CH2M-Jones***

*November 2001*

*Revision 1*
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# A Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater at the CNC

**PREPARED FOR:** CNC BCT

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**DATE:** November 9, 2001

## Introduction

This memorandum was prepared at the request of the Charleston Naval Complex (CNC) BRAC Cleanup Team (BCT) to provide a document that summarizes the analytical results reported in background (grid) samples collected at the CNC. This memorandum is intended to be used in the preparation of the various site reports for remediation activities conducted at the CNC. This memorandum may also serve as a reference document for various RCRA Corrective Action (CA) reports (e.g., RCRA Facility Investigation [RFI] report addenda, Interim Measure [IM] work plans, etc.) that refer to a background value for specific media of interest in that particular report.

## Background

An extensive sampling program was conducted to characterize the background of the CNC, in which background conditions within the areas of the main base, the Naval Annex (Zone K), and Clouter Island were investigated. The strategy and rationale used for the sampling was presented to the BCT; a description can be found in the Comprehensive Baseline Risk Assessment Work Plan prepared by EnSafe (July 30, 1996). Data collected from these investigations were evaluated by the team conducting the RFI, following statistical procedures for each separate Zone (i.e., Zones A through I, K-Naval Annex, and K-Clouter Island), and according to the current U.S. Environmental Protection Agency (EPA) statistical evaluation guidance for data. The results of these evaluations were included as a list of single values (referred to as Reference Concentrations [RCs] in the Revision 0 RFI reports prepared by EnSafe, and as Background Reference Concentrations [BRCs] in reports prepared by CH2M-Jones) in Section 5.0 of each zone-specific RFI report.

The RFI background evaluation effort focused mainly on developing a set of point estimate values that could be accepted by agencies and that could be used for quick comparison with sample concentrations for site contamination screening. The evaluation would also serve to quickly assess the potential nature and extent of contamination during the RFI, and for preliminary selection of chemicals of potential concern (COPCs). However, the innate background sample concentration variations and ranges in the background data set are not represented by these RCs.

In addition, the RCs did not include some of the higher detected concentrations, as these higher detections were eliminated as outliers. The RCs that were included in the earlier evaluations did not address the ranges of detected concentrations in the background samples. The number of background samples also varied significantly between zones. Thus, the RCs are inadequate for selection of final list of chemicals of concern (COCs) during site closures/remediations. Upon discussions with the BCT, it was decided that the background data should be re-evaluated, and that zone-specific as well as base-wide background levels of inorganic chemicals should be evaluated for the final decisions at a site. This memorandum presents statistical summaries of the data that provide ranges of background concentrations by zone for soil, and the combined base-wide ranges values for soil and groundwater.

In addition, surface soils within rairoad lines, runoff areas from railroad lines, and Zone K surface and subsurface soils were sampled to establish background polycyclic aromatic hydrocarbons (PAHs), arsenic, and copper. The results PAHs are discussed in detail in a separate technical memorandum issued by CH2M-Jones in August 2001. A summary of the results for arsenic and copper are presented herein.

## Presence of Anthropogenic Chemicals in Background Samples

Several anthropogenic inorganic and organic chemicals are recognized to occur in the urban background, including in the CNC background. The most abundant of these chemicals are the PAHs, which are estimated and reported in the Revision 0 RFI reports as benzo(a)pyrene equivalents (BEQs). The memorandum referenced above was prepared to estimate the background PAH levels (CH2M-Jones, 2001). Other organic chemicals likely to occur in the urban/industrial environments are the dioxin isomers, reported as TCDD-equivalents (TEQs), organo-chlorine and organo-phosphate (OP) pesticides, and polychlorinated biphenyls (PCBs). Only a selected number of background samples were analyzed for all of these groups of chemicals, and background values have not been estimated for these chemicals at the base-wide level. Their occurrence in the RFI site media is relatively infrequent, and available data are sparse for these parameters. However, when a specific site sample indicates detection of these chemicals, the background levels for these chemicals should be consulted on a case-by-case basis.

## Background Sample Data Summaries

Appendices A through D to this memorandum present the data evaluation summaries for surface and subsurface soil, as well as for shallow and deep groundwater. The station identification numbers (IDs) for the samples collected are listed for soils and groundwater in Appendices A1 and A2, respectively. Appendices B1 and B2 present analytical results for each of the samples for each zone for soils and groundwater, respectively. Appendices C1 and C2 present the statistical summaries of each parameter for each zone calculated by grouping samples from each zone for soils and groundwater. Appendices D1 through D4 include RFI background values summarized from RFI reports for soils and groundwater.

Additionally, arsenic and copper were sampled as part of the more recent background PAH sampling effort along the railroad lines in the Main Base, and also at Zone K. The data were evaluated and included as an addendum to the previous background PAHs memorandum. These values will be used in each of the site-specific data evaluations prior to site

closure/remedial decisions, as appropriate. The results for arsenic and copper from railroad lines and Zone K are included in Tables 1 and 2 of this memorandum.

# Soil Inorganic Chemicals

## Surface Soil

Section 5.0 of each zone-specific RFI report prepared by the Navy/EnSafe team includes a list of RCs that were point estimates resulting from the statistical evaluation of the surface soil sampling data. Table 1 includes a statistical summary of the data by zone and by chemical, minimum and maximum concentrations, number of samples available per zone, and number of detections. Zone K included the Naval Annex and Clouter Island data seprately. Appendices B1 and C1 include a more detailed listing of background analytical values and statistical summaries.

During site-specific data evaluations, site concentrations may be screened against RCs from the RFI as the initial screening criteria. Zone-specific concentration ranges are also used as a screening criterion for identifying chemicals of potential concern (COPCs). When the zone-specific data set is limited in size (few samples, typically <10), then data from an adjacent zone may be included in the data set. The site-specific case is discussed in the reports in which such comparisons are made.

## Subsurface Soil

A separate set of background values was developed for subsurface soils at the CNC. Section 5.0 of each RFI report also includes subsurface soil RCs. The subsurface soils are the soils beneath the surface soils and above the shallow groundwater table. A preliminary statistical comparison between surface soil and subsurface soils did not indicate a significant difference between surface and subsurface soil concentration distribution patterns. The presence of anthropogenic background chemicals such as PAHs in the subsurface soils indicates that soils at CNC may have been disturbed during historical Navy operations. Thus, the subsurface soils are statistically similar to surface soils, and are not representative of "natural" geological differences between strata. Table 2 presents the background inorganic chemical statistical summaries for subsurface soil by zone. Zone K background values include separate values for the Naval Annex and Clouter Island.

Similar to comparisons for the surface soil medium, subsurface soil samples from a site may be compared against the RCs from the RFI (see Appendix D) and the zone-wide values at the initial screening. When data sets for a zone are small, data from an adjacent zone may be included with the data set, or base-wide background concentrations may be used for comparison.

# Groundwater Inorganic Chemicals

## Shallow Groundwater

Most of the zones have very few monitoring wells representing background levels (see Appendices A2, B2, and C2). Only Zones E and I have a sufficient number of wells to

adequately represent background conditions within these zones. All other zones have only two to three wells per zone, which are not considered adequate to represent variations in concentrations with changes in location within a zone.

Since most of the main base has a shallow aquifer at approximately similar depths, and because water quality is not generally distinguishable between areas, the data for grid wells in all zones were combined to obtain a range of background groundwater values. However, Table 3 presents the shallow groundwater background values for the base-wide background wells for each zone separately. Appendix C2 presents the zone-by-zone data summaries for the groundwater. These tables in Appendix C2 also include a comparison of background groundwater concentrations against maximum contaminant levels (MCLs) or risk-based concentrations (RBCs) when no MCL is available for a chemical.

Initial groundwater screening includes comparison against the zone-specific RCs. When comparisons with RCs indicate an exceedance, groundwater concentrations are compared against zone-wide and base-wide inorganic background levels.

## Deep Groundwater

A similar number of deep groundwater wells as shallow wells was installed per zone during the background investigations. The well listing and data from these wells are summarized in Appendices A2, B2, and C2. Table 4 presents the deep background groundwater data for all zones within the main base. There were no deep background wells reported within Zone K.

During site assessments, the initial screening of the site deep groundwater sample concentrations uses the zone-specific groundwater RCs. When these comparisons indicate an exceedance, groundwater concentrations will be compared against zone-wide and base-wide inorganic background levels.

## Arsenic in Groundwater

Arsenic appears to occur at elevated concentrations in portions of the CNC groundwater. Both shallow and deep groundwater indicated the presence of arsenic at concentrations well above health RBCs and the existing MCL of 50 micrograms per liter (µg/L) in some wells. The RBC for arsenic is well below the typical natural background levels.

At sites where arsenic concentrations in groundwater exceed the MCL and no Solid Waste Management Unit (SWMU)-related or other apparent source of arsenic in soil can be identified, additional factors, such as the geochemical behavior of arsenic in groundwater under different redox conditions, should also be assessed. The presence of elevated iron in the groundwater, for example, may indicate that iron-reducing conditions exist at the site, and may be releasing naturally occurring arsenic into solution. A low reading on an Oxidation Reduction Potential (ORP) meter, or a hydrogen sulfide odor noted during well sampling, may indicate that reducing conditions are present, which may be mobilizing arsenic as arsenite. These factors should be evaluated when making a determination as to whether further investigation or corrective measures are required.

# Tables 1-4

**TABLE 1**
Statistical Summary of the Analytical Results for Surface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) | RR Lines* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | Detects | 13 | 15 | 44 | 6 | 31 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Aluminum | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Aluminum | Maximum Detect | 11,800 | 55,500 | 9,850 | 6,510 | 20,500 | 19,400 | 17,800 | 32,700 | 27,400 | 8,320 | 24,700 | |
| Aluminum | Minimum Detect | 3,640 | 6,320 | 2,110 | 3,560 | 261 | 3,610 | 2,190 | 1,090 | 3,470 | 4,050 | 5,020 | |
| Aluminum | Mean | 7,468 | 15,695 | 4,988 | 4,312 | 5,930 | 8,842 | 9,302 | 8,688 | 13,362 | 5,578 | 14,655 | |
| Aluminum | Std Dev | 2,216 | 13,890 | 1,876 | 1,139 | 5,036 | 6,698 | 5,391 | 6,227 | 9,544 | 1,267 | 8,691 | |
| Antimony | Detects | 0 | 1 | 15 | 1 | 9 | 3 | 5 | 6 | 0 | 1 | 3 | |
| Antimony | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 96 | 13 | 9 | 4 | |
| Antimony | Maximum Detect | NA | 13 | 1.4 | 1.7 | 7.4 | 0.71 | 5.7 | 2.2 | NA | 0.59 | 2.2 | |
| Antimony | Minimum Detect | NA | 13 | 0.26 | 1.7 | 0.50 | 0.50 | 0.79 | 1.1 | NA | 0.59 | 0.48 | |
| Antimony | Mean | 6.0 | 6.5 | 0.22 | 0.46 | 0.86 | 0.40 | 1.4 | 1.7 | 1.3 | 0.23 | 0.85 | |
| Antimony | Std Dev | 0.37 | 1.9 | 0.22 | 0.61 | 1.3 | 0.25 | 1.8 | 2.1 | 1.2 | 0.14 | 0.92 | |
| Arsenic | Detects | 16 | 14 | 31 | 6 | 29 | 6 | 9 | 84 | 12 | 15 | 4 | 21 |
| Arsenic | No. Analyzed | 16 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 15 | 4 | 21 |
| Arsenic | Maximum Detect | 30 | 29 | 39 | 7.4 | 68 | 30 | 25 | 18 | 20 | 92 | 14 | 92 |
| Arsenic | Minimum Detect | 1.7 | 1.7 | 0.40 | 0.84 | 0.95 | 3.0 | 3.1 | 0.64 | 0.46 | 0.60 | 7.2 | 1.9 |
| Arsenic | Mean | 7.0 | 8.1 | 4.2 | 2.8 | 8.5 | 13 | 12 | 6.1 | 6.6 | 11 | 11 | 26 |
| Arsenic | Std Dev | 6.9 | 8.0 | 7.4 | 2.6 | 14 | 11 | 8.1 | 4.3 | 5.7 | 26 | 3.6 | 27 |
| Barium | Detects | 13 | 15 | 44 | 6 | 31 | 6 | 9 | 85 | 13 | 9 | 4 | |
| Barium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Barium | Maximum Detect | 47 | 95 | 193 | 20 | 1,980 | 47 | 129 | 73 | 43 | 20 | 51 | |
| Barium | Minimum Detect | 6.5 | 15 | 4.4 | 9.7 | 1.8 | 13 | 11 | 3.6 | 7.8 | 6.6 | 17 | |
| Barium | Mean | 23 | 47 | 28 | 15 | 76 | 30 | 51 | 15 | 27 | 13 | 29 | |
| Barium | Std Dev | 9.4 | 20 | 33 | 4.7 | 327 | 14 | 36 | 11 | 11 | 4.6 | 16 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | Detects | 1 | 13 | 4 | 1 | 27 | 6 | 6 | 85 | 8 | 5 | 4 | |
| Beryllium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Beryllium | Maximum Detect | 0.32 | 1.7 | 0.26 | 0.13 | 1.6 | 1.3 | 1.1 | 1.4 | 0.95 | 0.32 | 0.99 | |
| Beryllium | Minimum Detect | 0.32 | 0.28 | 0.11 | 0.13 | 0.13 | 0.19 | 0.47 | 0.040 | 0.34 | 0.060 | 0.31 | |
| Beryllium | Mean | 0.13 | 0.56 | 0.095 | 0.11 | 0.42 | 0.53 | 0.58 | 0.39 | 0.46 | 0.083 | 0.65 | |
| Beryllium | Std Dev | 0.057 | 0.42 | 0.056 | 0.033 | 0.39 | 0.46 | 0.36 | 0.31 | 0.34 | 0.096 | 0.29 | |
| Cadmium | Detects | 1 | 0 | 6 | 1 | 14 | 4 | 7 | 21 | 5 | 1 | 2 | |
| Cadmium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Cadmium | Maximum Detect | 2.8 | NA | 0.65 | 0.11 | 1.5 | 0.22 | 1.7 | 1.6 | 0.61 | 0.080 | 0.42 | |
| Cadmium | Minimum Detect | 2.8 | NA | 0.16 | 0.11 | 0.060 | 0.12 | 0.12 | 0.12 | 0.13 | 0.080 | 0.29 | |
| Cadmium | Mean | 0.75 | 0.59 | 0.089 | 0.037 | 0.32 | 0.13 | 0.53 | 0.26 | 0.28 | 0.064 | 0.23 | |
| Cadmium | Std Dev | 0.62 | 0.076 | 0.14 | 0.036 | 0.41 | 0.074 | 0.53 | 0.32 | 0.18 | 0.040 | 0.15 | |
| Calcium | Detects | 13 | 15 | 43 | 6 | 31 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Calcium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Calcium | Maximum Detect | 78,900 | 115,000 | 85,600 | 15,500 | 182,000 | 27,800 | 52,300 | 333,000 | 59,500 | 2,960 | 59,000 | |
| Calcium | Minimum Detect | 797 | 406 | 484 | 344 | 167 | 2,080 | 8,920 | 169 | 1,670 | 275 | 8,100 | |
| Calcium | Mean | 17,673 | 16,822 | 15,713 | 4,062 | 23,015 | 10,265 | 23,391 | 52,482 | 24,108 | 934 | 39,950 | |
| Calcium | Std Dev | 24,601 | 31,516 | 19,694 | 5,673 | 39,261 | 9,757 | 14,051 | 66,613 | 18,266 | 933 | 22,061 | |
| Chromium IV | No. Analyzed | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4 | |
| Chromium IV | Mean | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.13 | |
| Chromium IV | Std Dev | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.012 | |
| Chromium, Total | Detects | 13 | 15 | 44 | 6 | 35 | 6 | 9 | 96 | 13 | 9 | 4 | |
| Chromium, Total | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Chromium, Total | Maximum Detect | 34 | 74 | 32 | 9.7 | 567 | 35 | 39 | 114 | 54 | 6.3 | 46 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chromium, Total | Minimum Detect | 5.7 | 6.0 | 2.7 | 4.5 | 2.3 | 6.3 | 7.0 | 3.4 | 7.5 | 2.8 | 21 | |
| Chromium, Total | Mean | 16 | 24 | 9.8 | 6.1 | 33 | 17 | 21 | 27 | 29 | 4.2 | 31 | |
| Chromium, Total | Std Dev | 7.9 | 20 | 6.2 | 1.9 | 93 | 12 | 11 | 21 | 17 | 1.1 | 12 | |
| Cobalt | Detects | 5 | 12 | 41 | 6 | 30 | 6 | 9 | 72 | 9 | 3 | 4 | |
| Cobalt | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Cobalt | Maximum Detect | 4.4 | 11 | 2.9 | 17 | 111 | 36 | 6.2 | 7.9 | 5.8 | 0.46 | 4.5 | |
| Cobalt | Minimum Detect | 1.6 | 1.4 | 0.18 | 0.34 | 0.35 | 0.94 | 1.1 | 0.49 | 0.64 | 0.16 | 0.35 | |
| Cobalt | Mean | 1.3 | 3.4 | 1.0 | 4.7 | 6.4 | 7.5 | 3.3 | 2.0 | 3.0 | 0.17 | 2.9 | |
| Cobalt | Std Dev | 1.1 | 3.2 | 0.61 | 6.8 | 18 | 14 | 1.8 | 1.5 | 2.1 | 0.12 | 1.8 | |
| Copper | Detects | 13 | 15 | 43 | 1 | 31 | 6 | 7 | 82 | 13 | 8 | 4 | 21 |
| Copper | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 15 | 4 | 21 |
| Copper | Maximum Detect | 71 | 122 | 40 | 116 | 866 | 56 | 431 | 126 | 556 | 4.8 | 95 | 109 |
| Copper | Minimum Detect | 2.2 | 3.8 | 0.81 | 116 | 0.47 | 5.7 | 23 | 0.94 | 2.4 | 0.90 | 11 | 5.0 |
| Copper | Mean | 18 | 31 | 11 | 20 | 60 | 25 | 130 | 12 | 67 | 1.6 | 47 | 37 |
| Copper | Std Dev | 19 | 33 | 9.6 | 47 | 154 | 17 | 154 | 16 | 149 | 1.4 | 35 | 28 |
| Iron | Detects | 13 | 15 | 44 | 6 | 31 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Iron | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Iron | Maximum Detect | 15,700 | 48,700 | 12,000 | 3,600 | 30,600 | 28,200 | 32,700 | 38,800 | 22,700 | 7,990 | 23,400 | |
| Iron | Minimum Detect | 1,530 | 2,630 | 841 | 966 | 1,050 | 3,570 | 4,300 | 695 | 1,730 | 1,200 | 10,400 | |
| Iron | Mean | 7,461 | 12,682 | 3,848 | 2,239 | 8,710 | 11,755 | 14,577 | 9,484 | 11,267 | 3,529 | 16,575 | |
| Iron | Std Dev | 3,659 | 14,134 | 2,229 | 841 | 8,885 | 10,008 | 8,714 | 8,629 | 8,047 | 2,075 | 5,775 | |
| Lead | Detects | 13 | 15 | 44 | 6 | 31 | 6 | 9 | 82 | 13 | 9 | 4 | |
| Lead | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Lead | Maximum Detect | 93 | 310 | 588 | 21 | 400 | 231 | 275 | 172 | 203 | 259 | 71 | |
| Lead | Minimum Detect | 4.1 | 13 | 2.7 | 2.2 | 1.0 | 49 | 3.5 | 1.8 | 5.0 | 8.9 | 16 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | Mean | 36 | 70 | 69 | 9.4 | 61 | 91 | 91 | 27 | 57 | 46 | 41 | |
| Lead | Std Dev | 29 | 70 | 111 | 8.3 | 101 | 69 | 78 | 30 | 58 | 80 | 23 | |
| Magnesium | Detects | 13 | 15 | 44 | 6 | 31 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Magnesium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Magnesium | Maximum Detect | 3,150 | 6,990 | 2,390 | 850 | 14,800 | 4,000 | 5,280 | 7,850 | 3,820 | 251 | 4,240 | |
| Magnesium | Minimum Detect | 231 | 226 | 130 | 157 | 31 | 323 | 766 | 131 | 424 | 66 | 2,110 | |
| Magnesium | Mean | 822 | 1,767 | 574 | 345 | 2,060 | 1,504 | 2,008 | 2,035 | 1,956 | 136 | 3,125 | |
| Magnesium | Std Dev | 851 | 2,014 | 506 | 260 | 3,153 | 1,603 | 1,409 | 1,681 | 1,443 | 55 | 873 | |
| Manganese | Detects | 13 | 15 | 44 | 6 | 31 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Manganese | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Manganese | Maximum Detect | 66 | 454 | 101 | 23 | 508 | 436 | 359 | 1,200 | 426 | 45 | 1,050 | |
| Manganese | Minimum Detect | 8.7 | 27 | 10 | 5.0 | 0.93 | 32 | 39 | 5.3 | 15 | 3.2 | 229 | |
| Manganese | Mean | 36 | 213 | 43 | 14 | 100 | 161 | 163 | 146 | 163 | 13 | 511 | |
| Manganese | Std Dev | 18 | 134 | 22 | 6.2 | 114 | 182 | 114 | 194 | 155 | 13 | 367 | |
| Mercury | Detects | 4 | 8 | 15 | 1 | 22 | 6 | 8 | 69 | 7 | 0 | 3 | |
| Mercury | No. Analyzed | 13 | 15 | 44 | 6 | 35 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Mercury | Maximum Detect | 0.30 | 1.5 | 0.75 | 0.060 | 2.7 | 0.61 | 2.0 | 3.8 | 0.47 | NA | 0.52 | |
| Mercury | Minimum Detect | 0.12 | 0.12 | 0.11 | 0.060 | 0.030 | 0.090 | 0.060 | 0.020 | 0.13 | NA | 0.17 | |
| Mercury | Mean | 0.10 | 0.34 | 0.10 | 0.026 | 0.22 | 0.30 | 0.55 | 0.19 | 0.17 | 0.026 | 0.24 | |
| Mercury | Std Dev | 0.082 | 0.47 | 0.11 | 0.017 | 0.47 | 0.19 | 0.63 | 0.48 | 0.13 | 0.0022 | 0.21 | |
| Nickel | Detects | 11 | 15 | 40 | 6 | 30 | 4 | 9 | 86 | 12 | 5 | 4 | |
| Nickel | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Nickel | Maximum Detect | 15 | 29 | 28 | 4.7 | 72 | 16 | 27 | 92 | 18 | 2.0 | 16 | |
| Nickel | Minimum Detect | 3.2 | 3.4 | 0.54 | 1.2 | 0.60 | 2.4 | 2.0 | 0.63 | 1.5 | 0.39 | 4.6 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nickel | Mean | 7.3 | 12 | 3.7 | 2.4 | 10 | 6.2 | 10 | 9.9 | 9.7 | 0.85 | 11 | |
| Nickel | Std Dev | 4.6 | 7.0 | 4.4 | 1.4 | 16 | 6.0 | 7.6 | 13 | 6.0 | 0.82 | 6.2 | |
| Potassium | Detects | 12 | 13 | 44 | 0 | 25 | 4 | 8 | 80 | 9 | 6 | 4 | |
| Potassium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Potassium | Maximum Detect | 675 | 3,570 | 836 | NA | 2,620 | 1,580 | 1,730 | 2,960 | 2,730 | 112 | 2,010 | |
| Potassium | Minimum Detect | 128 | 145 | 65 | NA | 46 | 202 | 280 | 65 | 493 | 42 | 859 | |
| Potassium | Mean | 282 | 796 | 258 | 112 | 642 | 595 | 777 | 657 | 1,267 | 58 | 1,290 | |
| Potassium | Std Dev | 157 | 979 | 188 | 8.7 | 606 | 594 | 514 | 632 | 1,036 | 27 | 519 | |
| Selenium | Detects | 2 | 5 | 25 | 4 | 11 | 4 | 6 | 25 | 9 | 3 | 3 | |
| Selenium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Selenium | Maximum Detect | 0.88 | 2.8 | 1.3 | 1.0 | 4.0 | 0.95 | 1.4 | 2.6 | 1.1 | 0.71 | 1.1 | |
| Selenium | Minimum Detect | 0.70 | 0.78 | 0.48 | 0.40 | 0.57 | 0.44 | 0.45 | 0.28 | 0.50 | 0.63 | 0.46 | |
| Selenium | Mean | 0.42 | 0.82 | 0.50 | 0.44 | 0.59 | 0.52 | 0.61 | 0.41 | 0.68 | 0.42 | 0.58 | |
| Selenium | Std Dev | 0.17 | 0.79 | 0.29 | 0.31 | 0.75 | 0.27 | 0.39 | 0.51 | 0.33 | 0.22 | 0.37 | |
| Silver | Detects | 0 | 6 | 3 | 3 | 2 | 1 | 0 | 2 | 1 | 2 | 1 | |
| Silver | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Silver | Maximum Detect | NA | 1.7 | 0.060 | 0.42 | 0.91 | 5.0 | NA | 0.74 | 1.5 | 0.88 | 0.31 | |
| Silver | Minimum Detect | NA | 0.72 | 0.050 | 0.26 | 0.75 | 5.0 | NA | 0.55 | 1.5 | 0.24 | 0.31 | |
| Silver | Mean | 0.35 | 0.72 | 0.030 | 0.21 | 0.16 | 0.92 | 0.12 | 0.31 | 0.26 | 0.22 | 0.19 | |
| Silver | Std Dev | 0.022 | 0.54 | 0.0083 | 0.13 | 0.17 | 2.0 | 0.010 | 0.39 | 0.39 | 0.25 | 0.084 | |
| Sodium | Detects | 13 | 15 | 18 | 1 | 28 | 2 | 5 | 95 | 12 | 6 | 4 | |
| Sodium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Sodium | Maximum Detect | 653 | 6,670 | 729 | 170 | 28,200 | 415 | 1,150 | 1,660 | 2,030 | 21 | 2,530 | |
| Sodium | Minimum Detect | 195 | 165 | 99 | 170 | 12 | 226 | 394 | 10 | 181 | 11 | 150 | |

**TABLE 1**
Statistical Summary of the Analytical Results for Surface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) | RR Lines* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium | Mean | 290 | 759 | 173 | 101 | 1,077 | 202 | 602 | 339 | 621 | 12 | 1,350 | |
| Sodium | Std Dev | 124 | 1,648 | 161 | 46 | 4,668 | 133 | 407 | 360 | 552 | 5.7 | 1,175 | |
| Thallium | Detects | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 7 | 0 | 0 | 0 | |
| Thallium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Thallium | Maximum Detect | NA | NA | NA | NA | 2.8 | NA | 0.91 | 1.1 | NA | NA | NA | |
| Thallium | Minimum Detect | NA | NA | NA | NA | 0.61 | NA | 0.55 | 0.12 | NA | NA | NA | |
| Thallium | Mean | 0.47 | 0.48 | 0.25 | 0.19 | 0.44 | 0.22 | 0.43 | 0.24 | 0.36 | 0.45 | 0.66 | |
| Thallium | Std Dev | 0.031 | 0.070 | 0.031 | 0.014 | 0.52 | 0.063 | 0.25 | 0.20 | 0.044 | 0.15 | 0.075 | |
| Tin | Detects | 0 | 6 | 33 | 0 | 20 | 1 | 4 | NA | 6 | 3 | 1 | |
| Tin | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | NA | 13 | 9 | 4 | |
| Tin | Maximum Detect | NA | 14 | 8.1 | NA | 45 | 22 | 26 | NA | 7.5 | 32 | 46 | |
| Tin | Minimum Detect | NA | 8.2 | 0.70 | NA | 0.77 | 22 | 2.6 | NA | 0.98 | 11 | 46 | |
| Tin | Mean | 4.3 | 6.9 | 1.4 | 0.95 | 6.1 | 4.7 | 4.9 | NA | 1.9 | 9.7 | 16 | |
| Tin | Std Dev | 0.27 | 3.5 | 1.2 | 1.2 | 10 | 8.3 | 8.1 | NA | 2.4 | 8.8 | 20 | |
| Vanadium | Detects | 13 | 15 | 44 | 6 | 32 | 6 | 9 | 96 | 13 | 9 | 4 | |
| Vanadium | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Vanadium | Maximum Detect | 28 | 101 | 25 | 9.1 | 60 | 60 | 57 | 75 | 53 | 13 | 51 | |
| Vanadium | Minimum Detect | 4.9 | 6.5 | 2.7 | 2.2 | 1.1 | 6.8 | 7.2 | 4.1 | 8.5 | 5.3 | 19 | |
| Vanadium | Mean | 16 | 26 | 8.8 | 4.9 | 15 | 24 | 30 | 24 | 28 | 7.9 | 35 | |
| Vanadium | Std Dev | 5.8 | 28 | 5.5 | 2.6 | 14 | 22 | 17 | 16 | 17 | 2.4 | 15 | |
| Zinc | Detects | 13 | 15 | 44 | 4 | 30 | 6 | 8 | 89 | 13 | 1 | 4 | |
| Zinc | No. Analyzed | 13 | 15 | 44 | 6 | 36 | 6 | 9 | 97 | 13 | 9 | 4 | |
| Zinc | Maximum Detect | 168 | 266 | 779 | 41 | 855 | 202 | 1,650 | 431 | 150 | 24 | 145 | |
| Zinc | Minimum Detect | 4.5 | 18 | 3.4 | 6.8 | 1.9 | 33 | 18 | 5.0 | 5.9 | 24 | 37 | |
| Zinc | Mean | 75 | 106 | 76 | 13 | 129 | 99 | 414 | 55 | 58 | 7.4 | 98 | |

**TABLE 1**
Statistical Summary of the Analytical Results for Surface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) | RR Lines* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zinc | Std Dev | 49 | 74 | 128 | 14 | 229 | 60 | 549 | 54 | 44 | 6.5 | 48 | |

* Only Arsenic and Copper were sampled near the railroad lines as part of the base-wide PAH background study.

Results for the PAH analysis can be found in the Railroad Line/Zone K Annex PAH Background Study Technical Memorandum (CH2M-Jones, 2001).

All units are in milligrams per kilogram (mg/kg) (parts per million [ppm]).

Ag - Silver, Al - Aluminum, As-Arsenic, Ba-Barium, Be-Beryllium, Ca-Calcium, Cd- Cadmium, Co- Cobalt, Cr-Chromium, Cu-Copper, Fe-Iron, Hg-Mercury, K-Potassium, Mg-Magnesium, Mn-Manganese, Na-Sodium, Ni-Nickel, Pb-Lead, Sb-Antimony, Se-Selenium, Sn-Tin, Tl-Thallium, V-Vanadium, Zn-Zinc

NA Not applicable/not available

**TABLE 2**
Statistical Summary of the Analytical Results for Subsurface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | Detects | 12 | 14 | 30 | 6 | 23 | 6 | 7 | 58 | 4 | 9 | 1 |
| Aluminum | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Aluminum | Maximum Detect | 17,500 | 55,600 | 25,400 | 12,800 | 29,900 | 23,500 | 36,800 | 45,300 | 11,700 | 12,000 | 14,200 |
| Aluminum | Minimum Detect | 3,850 | 1,970 | 1,450 | 2,850 | 1,220 | 3,300 | 2,630 | 798 | 4,590 | 3,090 | 14,200 |
| Aluminum | Mean | 9,083 | 12,661 | 6,481 | 5,130 | 7,767 | 8,550 | 11,783 | 11,915 | 7,428 | 5,167 | 14,200 |
| Aluminum | Std Dev | 3,972 | 14,881 | 5,358 | 3,835 | 7,195 | 7,482 | 11,411 | 10,301 | 3,022 | 2,837 | NA |
| Antimony | Detects | 0 | 1 | 3 | 0 | 7 | 0 | 0 | 4 | 0 | 0 | 0 |
| Antimony | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Antimony | Maximum Detect | NA | 23 | 0.92 | NA | 1.6 | NA | NA | 19 | NA | NA | NA |
| Antimony | Minimum Detect | NA | 23 | 0.22 | NA | 0.52 | NA | NA | 1.5 | NA | NA | NA |
| Antimony | Mean | 6.5 | 7.7 | 0.16 | 0.22 | 0.73 | 0.21 | 0.21 | 2.5 | 1.4 | 0.18 | 0.20 |
| Antimony | Std Dev | 0.66 | 4.7 | 0.17 | 0.055 | 0.71 | 0.039 | 0.037 | 3.7 | 1.3 | 0.027 | NA |
| Arsenic | Detects | 11 | 10 | 13 | 6 | 22 | 6 | 7 | 54 | 4 | 11 | 1 |
| Arsenic | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 12 | 1 |
| Arsenic | Maximum Detect | 6.9 | 34 | 32 | 5.8 | 26 | 30 | 36 | 136 | 4.4 | 5.8 | 14 |
| Arsenic | Minimum Detect | 1.1 | 1.2 | 0.36 | 0.74 | 0.83 | 3.3 | 1.4 | 0.78 | 0.88 | 0.28 | 14 |
| Arsenic | Mean | 3.9 | 6.5 | 3.3 | 2.0 | 7.8 | 9.1 | 13 | 10 | 3.2 | 1.3 | 14 |
| Arsenic | Std Dev | 2.2 | 9.3 | 6.6 | 1.9 | 7.8 | 10 | 12 | 18 | 1.6 | 1.6 | NA |
| Barium | Detects | 12 | 14 | 30 | 6 | 23 | 6 | 7 | 42 | 4 | 9 | 1 |
| Barium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Barium | Maximum Detect | 31 | 65 | 65 | 29 | 91 | 47 | 63 | 60 | 19 | 7.2 | 24 |
| Barium | Minimum Detect | 5.7 | 12 | 3.6 | 7.7 | 6.1 | 14 | 7.7 | 2.4 | 9.5 | 1.8 | 24 |
| Barium | Mean | 16 | 28 | 17 | 15 | 24 | 26 | 32 | 15 | 13 | 3.3 | 24 |
| Barium | Std Dev | 7.0 | 17 | 13 | 7.4 | 19 | 15 | 20 | 13 | 4.5 | 1.9 | NA |

**TABLE 2**
Statistical Summary of the Analytical Results for Subsurface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Beryllium | Detects | 0 | 7 | 4 | 3 | 22 | 5 | 6 | 55 | 3 | 6 | 1 |
| Beryllium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Beryllium | Maximum Detect | NA | 1.7 | 0.98 | 0.96 | 1.6 | 1.4 | 2.4 | 1.6 | 0.51 | 0.20 | 0.62 |
| Beryllium | Minimum Detect | NA | 0.28 | 0.24 | 0.12 | 0.15 | 0.22 | 0.45 | 0.060 | 0.33 | 0.030 | 0.62 |
| Beryllium | Mean | 0.13 | 0.40 | 0.14 | 0.37 | 0.48 | 0.60 | 0.82 | 0.61 | 0.32 | 0.062 | 0.62 |
| Beryllium | Std Dev | 0.013 | 0.46 | 0.24 | 0.41 | 0.41 | 0.44 | 0.73 | 0.41 | 0.20 | 0.060 | NA |
| Cadmium | Detects | 0 | 0 | 3 | 2 | 10 | 1 | 6 | 6 | 1 | 0 | 0 |
| Cadmium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Cadmium | Maximum Detect | NA | NA | 0.28 | 0.76 | 0.96 | 0.080 | 0.52 | 1.2 | 0.48 | NA | NA |
| Cadmium | Minimum Detect | NA | NA | 0.13 | 0.30 | 0.13 | 0.080 | 0.080 | 0.14 | 0.48 | NA | NA |
| Cadmium | Mean | 0.64 | 0.66 | 0.051 | 0.19 | 0.26 | 0.043 | 0.24 | 0.27 | 0.26 | 0.054 | 0.13 |
| Cadmium | Std Dev | 0.064 | 0.20 | 0.072 | 0.30 | 0.28 | 0.025 | 0.17 | 0.31 | 0.18 | 0.039 | NA |
| Calcium | Detects | 12 | 14 | 25 | 6 | 23 | 6 | 7 | 58 | 4 | 2 | 1 |
| Calcium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Calcium | Maximum Detect | 262,000 | 182,000 | 40,300 | 82,400 | 229,000 | 11,700 | 127,000 | 320,000 | 63,900 | 57 | 18,200 |
| Calcium | Minimum Detect | 491 | 279 | 181 | 142 | 323 | 1,040 | 6,390 | 346 | 528 | 50 | 18,200 |
| Calcium | Mean | 59,132 | 17,400 | 4,636 | 14,457 | 20,586 | 5,547 | 41,363 | 58,904 | 31,505 | 21 | 18,200 |
| Calcium | Std Dev | 99,812 | 48,153 | 9,188 | 33,294 | 45,732 | 4,720 | 46,311 | 79,424 | 33,479 | 18 | NA |
| Chromium IV | No. Analyzed | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1 |
| Chromium IV | Mean | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.15 |
| Chromium IV | Std Dev | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Chromium, Total | Detects | 12 | 14 | 30 | 6 | 26 | 6 | 7 | 58 | 4 | 9 | 1 |
| Chromium, Total | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Chromium, Total | Maximum Detect | 63 | 76 | 40 | 41 | 75 | 40 | 65 | 95 | 41 | 8.5 | 26 |
| Chromium, Total | Minimum Detect | 6.3 | 2.5 | 2.0 | 2.5 | 1.6 | 8.7 | 7.4 | 2.9 | 7.6 | 2.4 | 26 |

**TABLE 2**
Statistical Summary of the Analytical Results for Subsurface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chromium, Total | Mean | 25 | 20 | 9.6 | 11 | 19 | 16 | 28 | 32 | 24 | 4.2 | 26 |
| Chromium, Total | Std Dev | 20 | 23 | 10 | 15 | 19 | 12 | 19 | 21 | 15 | 1.9 | NA |
| Cobalt | Detects | 2 | 6 | 25 | 5 | 23 | 6 | 7 | 44 | 2 | 4 | 1 |
| Cobalt | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Cobalt | Maximum Detect | 1.7 | 11 | 7.1 | 5.9 | 15 | 9.0 | 15 | 12 | 2.2 | 1.0 | 3.1 |
| Cobalt | Minimum Detect | 1.6 | 1.9 | 0.14 | 0.30 | 0.41 | 0.94 | 0.90 | 0.27 | 2.1 | 0.40 | 3.1 |
| Cobalt | Mean | 0.92 | 2.4 | 1.2 | 1.4 | 3.4 | 3.4 | 4.1 | 3.1 | 1.5 | 0.31 | 3.1 |
| Cobalt | Std Dev | 0.35 | 3.1 | 1.8 | 2.2 | 4.1 | 2.9 | 4.9 | 2.6 | 0.80 | 0.31 | NA |
| Copper | Detects | 12 | 14 | 23 | 0 | 23 | 3 | 5 | 46 | 4 | 3 | 1 |
| Copper | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 4 | 7 | 58 | 4 | 12 | 1 |
| Copper | Maximum Detect | 13 | 47 | 32 | NA | 192 | 55 | 46 | 35 | 12 | 0.51 | 22 |
| Copper | Minimum Detect | 1.1 | 0.80 | 0.35 | NA | 1.3 | 2.5 | 4.5 | 0.53 | 1.2 | 0.23 | 22 |
| Copper | Mean | 5.3 | 9.4 | 4.6 | 1.1 | 24 | 15 | 16 | 10 | 6.1 | 0.20 | 22 |
| Copper | Std Dev | 4.1 | 15 | 7.3 | 1.0 | 42 | 27 | 15 | 9.0 | 5.4 | 0.20 | NA |
| Iron | Detects | 12 | 14 | 30 | 6 | 23 | 6 | 7 | 58 | 4 | 9 | 1 |
| Iron | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Iron | Maximum Detect | 37,400 | 49,100 | 36,700 | 11,100 | 35,800 | 34,800 | 58,100 | 54,300 | 7,250 | 10,900 | 17,200 |
| Iron | Minimum Detect | 2,550 | 1,470 | 726 | 916 | 924 | 7,850 | 3,110 | 1,210 | 3,730 | 560 | 17,200 |
| Iron | Mean | 10,153 | 11,667 | 5,639 | 3,134 | 9,424 | 12,998 | 17,913 | 14,463 | 5,640 | 2,550 | 17,200 |
| Iron | Std Dev | 9,895 | 14,104 | 8,348 | 3,920 | 9,205 | 10,715 | 18,571 | 13,586 | 1,708 | 3,401 | NA |
| Lead | Detects | 12 | 14 | 30 | 6 | 23 | 6 | 7 | 45 | 4 | 9 | 1 |
| Lead | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Lead | Maximum Detect | 26 | 145 | 95 | 9.2 | 322 | 123 | 76 | 39 | 7.2 | 4.4 | 18 |
| Lead | Minimum Detect | 2.4 | 1.4 | 1.9 | 1.4 | 1.8 | 4.3 | 2.4 | 2.1 | 3.1 | 2.1 | 18 |
| Lead | Mean | 8.3 | 21 | 14 | 3.9 | 46 | 26 | 33 | 15 | 4.8 | 3.1 | 18 |

**TABLE 2**
Statistical Summary of the Analytical Results for Subsurface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | Std Dev | 6.6 | 41 | 19 | 3.3 | 69 | 48 | 23 | 12 | 1.7 | 0.77 | NA |
| Magnesium | Detects | 12 | 14 | 30 | 6 | 23 | 6 | 7 | 58 | 4 | 9 | 1 |
| Magnesium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Magnesium | Maximum Detect | 10,200 | 9,070 | 3,940 | 5,290 | 9,140 | 4,240 | 7,040 | 12,700 | 3,990 | 225 | 2,960 |
| Magnesium | Minimum Detect | 245 | 147 | 62 | 102 | 77 | 399 | 1,040 | 80 | 196 | 28 | 2,960 |
| Magnesium | Mean | 2,468 | 1,872 | 590 | 1,067 | 1,571 | 1,353 | 3,187 | 3,237 | 2,164 | 81 | 2,960 |
| Magnesium | Std Dev | 3,629 | 2,755 | 1,013 | 2,070 | 2,057 | 1,445 | 1,908 | 2,557 | 1,837 | 70 | NA |
| Manganese | Detects | 12 | 14 | 30 | 6 | 23 | 6 | 7 | 58 | 4 | 9 | 1 |
| Manganese | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Manganese | Maximum Detect | 91 | 744 | 520 | 51 | 625 | 1,120 | 409 | 966 | 55 | 6.8 | 355 |
| Manganese | Minimum Detect | 7.5 | 8.6 | 3.2 | 4.6 | 4.9 | 22 | 20 | 5.6 | 8.6 | 1.4 | 355 |
| Manganese | Mean | 26 | 129 | 54 | 15 | 103 | 234 | 146 | 204 | 40 | 2.8 | 355 |
| Manganese | Std Dev | 23 | 192 | 125 | 18 | 146 | 435 | 141 | 240 | 22 | 1.8 | NA |
| Mercury | Detects | 0 | 3 | 6 | 1 | 19 | 2 | 6 | 33 | 0 | 0 | 1 |
| Mercury | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Mercury | Maximum Detect | NA | 2.0 | 8.5 | 0.050 | 0.90 | 0.57 | 0.37 | 1.3 | 0 | 0 | 0.20 |
| Mercury | Minimum Detect | NA | 0.18 | 0.14 | 0.050 | 0.040 | 0.040 | 0.050 | 0.020 | 0 | 0 | 0.20 |
| Mercury | Mean | 0.064 | 0.26 | 0.36 | 0.025 | 0.15 | 0.11 | 0.16 | 0.17 | 0.066 | 0.024 | 0.20 |
| Mercury | Std Dev | 0.0070 | 0.53 | 1.5 | 0.012 | 0.20 | 0.22 | 0.12 | 0.29 | 0.0063 | 0.0022 | NA |
| Nickel | Detects | 8 | 9 | 20 | 6 | 22 | 4 | 7 | 49 | 3 | 8 | 1 |
| Nickel | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Nickel | Maximum Detect | 35 | 25 | 13 | 12 | 20 | 13 | 22 | 78 | 16 | 4.7 | 7.2 |
| Nickel | Minimum Detect | 3.4 | 4.6 | 0.60 | 0.84 | 0.85 | 3.3 | 1.9 | 0.74 | 3.5 | 0.23 | 7.2 |
| Nickel | Mean | 9.2 | 8.3 | 2.3 | 3.4 | 6.4 | 4.4 | 9.2 | 11 | 8.1 | 1.2 | 7.2 |
| Nickel | Std Dev | 11 | 7.6 | 2.9 | 4.3 | 6.0 | 4.5 | 6.9 | 12 | 7.0 | 1.5 | NA |

**TABLE 2**
Statistical Summary of the Analytical Results for Subsurface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Potassium | Detects | 9 | 9 | 30 | 1 | 17 | 6 | 6 | 49 | 3 | 2 | 1 |
| Potassium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Potassium | Maximum Detect | 1,470 | 4,720 | 2,460 | 1,240 | 3,440 | 1,800 | 3,790 | 2,800 | 2,230 | 91 | 1,430 |
| Potassium | Minimum Detect | 248 | 176 | 41 | 1,240 | 106 | 195 | 670 | 60 | 930 | 64 | 1,430 |
| Potassium | Mean | 487 | 760 | 346 | 302 | 923 | 775 | 1,450 | 1,031 | 1,143 | 35 | 1,430 |
| Potassium | Std Dev | 445 | 1,284 | 616 | 460 | 823 | 620 | 1,172 | 765 | 884 | 27 | NA |
| Selenium | Detects | 9 | 4 | 11 | 4 | 6 | 3 | 5 | 22 | 4 | 1 | 0 |
| Selenium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Selenium | Maximum Detect | 2.6 | 3.8 | 2.9 | 1.9 | 2.4 | 1.7 | 1.0 | 3.9 | 1.4 | 0.51 | NA |
| Selenium | Minimum Detect | 0.75 | 0.72 | 0.49 | 0.34 | 0.59 | 0.40 | 0.54 | 0.36 | 0.59 | 0.51 | NA |
| Selenium | Mean | 0.95 | 0.87 | 0.55 | 0.73 | 0.51 | 0.62 | 0.63 | 0.63 | 1.0 | 0.25 | 0.31 |
| Selenium | Std Dev | 0.61 | 1.0 | 0.61 | 0.69 | 0.51 | 0.59 | 0.28 | 0.73 | 0.35 | 0.099 | NA |
| Silver | Detects | 1 | 7 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| Silver | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Silver | Maximum Detect | 1.0 | 1.8 | NA | 0.50 | NA | NA | NA | 1.7 | NA | 0.57 | NA |
| Silver | Minimum Detect | 1.0 | 1.2 | NA | 0.50 | NA | NA | NA | 1.7 | NA | 0.41 | NA |
| Silver | Mean | 0.44 | 0.95 | 0.029 | 0.18 | 0.13 | 0.13 | 0.14 | 0.39 | 0.16 | 0.20 | 0.17 |
| Silver | Std Dev | 0.18 | 0.56 | 0.0055 | 0.16 | 0.021 | 0.017 | 0.027 | 0.48 | 0.14 | 0.17 | NA |
| Sodium | Detects | 12 | 14 | 12 | 1 | 20 | 3 | 5 | 56 | 3 | 2 | 1 |
| Sodium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Sodium | Maximum Detect | 1,550 | 12,600 | 2,160 | 179 | 1,430 | 624 | 3,890 | 2,110 | 1,770 | 10 | 2,430 |
| Sodium | Minimum Detect | 195 | 159 | 107 | 179 | 21 | 289 | 1,070 | 11 | 226 | 9.9 | 2,430 |
| Sodium | Mean | 591 | 1,280 | 175 | 224 | 356 | 308 | 1,825 | 579 | 802 | 5.2 | 2,430 |
| Sodium | Std Dev | 526 | 3,286 | 384 | 319 | 415 | 251 | 1,368 | 492 | 794 | 2.9 | NA |

**TABLE 2**
Statistical Summary of the Analytical Results for Subsurface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium | Detects | 0 | 0 | 1 | 1 | 0 | 4 | 1 | 9 | 0 | 0 | 0 |
| Thallium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Thallium | Maximum Detect | NA | NA | 0.93 | 0.68 | NA | 1.2 | 1.0 | 1.9 | NA | NA | NA |
| Thallium | Minimum Detect | NA | NA | 0.93 | 0.68 | NA | 0.40 | 1.0 | 0.36 | NA | NA | NA |
| Thallium | Mean | 0.51 | 0.53 | 0.29 | 0.28 | 0.31 | 0.62 | 0.48 | 0.32 | 0.36 | 0.44 | 0.75 |
| Thallium | Std Dev | 0.058 | 0.16 | 0.13 | 0.20 | 0.065 | 0.38 | 0.28 | 0.34 | 0.038 | 0.15 | NA |
| Tin | Detects | 1 | 2 | 16 | 0 | 11 | 0 | 3 | NA | 0 | 0 | 0 |
| Tin | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | NA | 4 | 9 | 1 |
| Tin | Maximum Detect | 9.2 | 20 | 2.0 | NA | 24 | NA | 2.9 | NA | NA | NA | NA |
| Tin | Minimum Detect | 9.2 | 8.2 | 0.64 | NA | 2.8 | NA | 1.1 | NA | NA | NA | NA |
| Tin | Mean | 5.1 | 6.0 | 0.97 | 0.59 | 4.1 | 0.99 | 1.5 | NA | 0.52 | 5.0 | 6.9 |
| Tin | Std Dev | 1.4 | 4.3 | 0.50 | 0.19 | 5.1 | 0.64 | 0.92 | NA | 0.060 | 0.69 | NA |
| Vanadium | Detects | 12 | 12 | 30 | 6 | 24 | 6 | 7 | 58 | 4 | 9 | 1 |
| Vanadium | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Vanadium | Maximum Detect | 49 | 102 | 57 | 29 | 71 | 72 | 112 | 103 | 24 | 16 | 29 |
| Vanadium | Minimum Detect | 5.5 | 3.3 | 1.5 | 1.9 | 1.6 | 12 | 5.9 | 2.7 | 11 | 2.7 | 29 |
| Vanadium | Mean | 23 | 22 | 11 | 7.6 | 20 | 25 | 36 | 31 | 17 | 5.9 | 29 |
| Vanadium | Std Dev | 14 | 29 | 15 | 10 | 20 | 23 | 35 | 24 | 5.6 | 4.2 | NA |
| Zinc | Detects | 12 | 14 | 30 | 5 | 23 | 5 | 6 | 51 | 4 | 0 | 1 |
| Zinc | No. Analyzed | 12 | 14 | 30 | 6 | 27 | 6 | 7 | 58 | 4 | 9 | 1 |
| Zinc | Maximum Detect | 66 | 238 | 168 | 40 | 438 | 195 | 198 | 233 | 29 | NA | 58 |
| Zinc | Minimum Detect | 6.0 | 3.7 | 1.3 | 10 | 5.8 | 9.3 | 20 | 1.8 | 4.7 | NA | 58 |
| Zinc | Mean | 26 | 47 | 30 | 15 | 82 | 42 | 73 | 48 | 17 | 1.4 | 58 |
| Zinc | Std Dev | 20 | 76 | 42 | 13 | 103 | 75 | 64 | 42 | 11 | 0.70 | NA |

All units are in milligrams per kilogram (mg/kg) (parts per million [ppm]).

**TABLE 2**
Statistical Summary of the Analytical Results for Subsurface Soil Background Samples for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Chemical | Statistic | Zone A | Zone B | Zone C | Zone D | Zone E | Zone F | Zone G | Zone H | Zone I | Zone K (Annex) | Zone K (Clouter Isl.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

Ag-Silver, Al-Aluminum, As-Arsenic, Ba-Barium, Be-Beryllium, Ca-Calcium, Cd- Cadmium, Co- Cobalt, Cr-Chromium, Cu-Copper, Fe-Iron, Hg-Mercury, K-Potassium, Mg-Magnesium, Mn-Manganese, Na-Sodium, Ni-Nickel, Pb-Lead, Sb-Antimony, Se-Selenium, Sn-Tin, Tl-Thallium, V-Vanadium, Zn-Zinc

NA Not applicable/not available

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| A | Shallow | 7429905 | Aluminum | 3 | 12 | 9 | 66 | 5,220 | 1,622 |
| A | Shallow | 7440360 | Antimony | 3 | 10 | 1 | 4 | 4 | 4 |
| A | Shallow | 7440382 | Arsenic | 3 | 12 | 5 | 3 | 68 | 18 |
| A | Shallow | 7440393 | Barium | 3 | 12 | 9 | 21 | 102 | 52 |
| A | Shallow | 7440417 | Beryllium | 3 | 12 | 0 | NA | NA | NA |
| A | Shallow | 7440439 | Cadmium | 3 | 12 | 1 | 1 | 1 | 1 |
| A | Shallow | 7440702 | Calcium | 3 | 12 | 12 | 43,100 | 151,000 | 93,600 |
| A | Shallow | 7440473 | Chromium, Total | 3 | 12 | 4 | 5 | 10 | 7 |
| A | Shallow | 7440484 | Cobalt | 3 | 12 | 1 | 10 | 10 | 10 |
| A | Shallow | 7440508 | Copper | 3 | 10 | 4 | 3 | 10 | 8 |
| A | Shallow | 7439896 | Iron | 3 | 12 | 12 | 7,320 | 72,100 | 17,420 |
| A | Shallow | 7439921 | Lead | 3 | 10 | 3 | 2 | 3 | 3 |
| A | Shallow | 7439954 | Magnesium | 3 | 12 | 12 | 15,600 | 91,900 | 39,950 |
| A | Shallow | 7439965 | Manganese | 3 | 12 | 12 | 80 | 577 | 211 |
| A | Shallow | 7439976 | Mercury | 3 | 12 | 0 | NA | NA | NA |
| A | Shallow | 7440020 | Nickel | 3 | 12 | 1 | 9 | 9 | 9 |
| A | Shallow | 7440097 | Potassium | 3 | 12 | 12 | 4,130 | 36,800 | 19,035 |
| A | Shallow | 7782492 | Selenium | 3 | 10 | 0 | NA | NA | NA |
| A | Shallow | 7440224 | Silver | 3 | 12 | 1 | 1 | 1 | 1 |
| A | Shallow | 7440280 | Thallium | 3 | 8 | 0 | NA | NA | NA |
| A | Shallow | 7440315 | Tin (Sn) | 3 | 9 | 0 | NA | NA | NA |
| A | Shallow | 7440622 | Vanadium | 3 | 12 | 5 | 1 | 14 | 7 |
| A | Shallow | 7440666 | Zinc | 3 | 10 | 3 | 8 | 89 | 42 |
| B | Shallow | 7429905 | Aluminum | 4 | 16 | 10 | 87 | 2,840 | 655 |
| B | Shallow | 7440360 | Antimony | 4 | 16 | 0 | NA | NA | NA |
| B | Shallow | 7440382 | Arsenic | 4 | 16 | 4 | 8 | 16 | 11 |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| B | Shallow | 7440393 | Barium | 4 | 16 | 13 | 18 | 90 | 42 |
| B | Shallow | 7440417 | Beryllium | 4 | 16 | 1 | 5 | 5 | 5 |
| B | Shallow | 7440439 | Cadmium | 4 | 16 | 0 | NA | NA | NA |
| B | Shallow | 7440702 | Calcium | 4 | 16 | 16 | 12,000 | 46,7000 | 197,463 |
| B | Shallow | 7440473 | Chromium, Total | 4 | 16 | 3 | 8 | 128 | 49 |
| B | Shallow | 7440484 | Cobalt | 4 | 16 | 1 | 75 | 75 | 75 |
| B | Shallow | 7440508 | Copper | 4 | 16 | 2 | 7 | 105 | 56 |
| B | Shallow | 7439896 | Iron | 4 | 16 | 16 | 231 | 18,500 | 4,812 |
| B | Shallow | 7439921 | Lead | 4 | 16 | 1 | 7 | 7 | 7 |
| B | Shallow | 7439954 | Magnesium | 4 | 16 | 16 | 6,740 | 1,010,000 | 264,631 |
| B | Shallow | 7439965 | Manganese | 4 | 16 | 16 | 21 | 3,430 | 1,119 |
| B | Shallow | 7439976 | Mercury | 4 | 16 | 0 | NA | NA | NA |
| B | Shallow | 7440020 | Nickel | 4 | 16 | 2 | 17 | 56 | 36 |
| B | Shallow | 7440097 | Potassium | 4 | 16 | 15 | 1,270 | 517,000 | 108,986 |
| B | Shallow | 7782492 | Selenium | 4 | 16 | 0 | NA | NA | NA |
| B | Shallow | 7440224 | Silver | 4 | 16 | 1 | 112 | 112 | 112 |
| B | Shallow | 7440280 | Thallium | 4 | 16 | 1 | 3 | 3 | 3 |
| B | Shallow | 7440315 | Tin (Sn) | 4 | 12 | 1 | 46 | 46 | 46 |
| B | Shallow | 7440622 | Vanadium | 4 | 16 | 4 | 4 | 13 | 9 |
| B | Shallow | 7440666 | Zinc | 4 | 16 | 3 | 6 | 17 | 10 |
| C | Shallow | 7429905 | Aluminum | 2 | 8 | 5 | 64 | 620 | 289 |
| C | Shallow | 7440360 | Antimony | 2 | 8 | 0 | NA | NA | NA |
| C | Shallow | 7440382 | Arsenic | 2 | 8 | 3 | 3 | 6 | 4 |
| C | Shallow | 7440393 | Barium | 2 | 8 | 5 | 5 | 16 | 11 |
| C | Shallow | 7440417 | Beryllium | 2 | 8 | 1 | 0.36 | 0.36 | 0.36 |
| C | Shallow | 7440439 | Cadmium | 2 | 8 | 0 | NA | NA | NA |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| C | Shallow | 7440702 | Calcium | 2 | 8 | 8 | 25,700 | 152,000 | 82,450 |
| C | Shallow | 7440473 | Chromium, Total | 2 | 8 | 1 | 2 | 2 | 2 |
| C | Shallow | 7440484 | Cobalt | 2 | 8 | 1 | 2 | 2 | 2 |
| C | Shallow | 7440508 | Copper | 2 | 8 | 0 | NA | NA | NA |
| C | Shallow | 7439896 | Iron | 2 | 8 | 8 | 288 | 4,660 | 1,719 |
| C | Shallow | 7439921 | Lead | 2 | 8 | 2 | 3 | 4 | 4 |
| C | Shallow | 7439954 | Magnesium | 2 | 8 | 7 | 697 | 9,250 | 5,108 |
| C | Shallow | 7439965 | Manganese | 2 | 8 | 7 | 18 | 789 | 346 |
| C | Shallow | 7439976 | Mercury | 2 | 8 | 0 | NA | NA | NA |
| C | Shallow | 7440020 | Nickel | 2 | 8 | 2 | 2 | 5 | 3 |
| C | Shallow | 7440097 | Potassium | 2 | 8 | 3 | 560 | 6,400 | 4,113 |
| C | Shallow | 7782492 | Selenium | 2 | 8 | 0 | NA | NA | NA |
| C | Shallow | 7440224 | Silver | 2 | 8 | 0 | NA | NA | NA |
| C | Shallow | 7440280 | Thallium | 2 | 8 | 0 | NA | NA | NA |
| C | Shallow | 7440315 | Tin (Sn) | 2 | 8 | 0 | NA | NA | NA |
| C | Shallow | 7440622 | Vanadium | 2 | 8 | 2 | 1 | 2 | 2 |
| C | Shallow | 7440666 | Zinc | 2 | 8 | 4 | 6 | 15 | 10 |
| D | Shallow | 7429905 | Aluminum | 1 | 4 | 4 | 262 | 707 | 485 |
| D | Shallow | 7440360 | Antimony | 1 | 4 | 0 | NA | NA | NA |
| D | Shallow | 7440382 | Arsenic | 1 | 4 | 4 | 2 | 4 | 3 |
| D | Shallow | 7440393 | Barium | 1 | 4 | 4 | 4 | 11 | 7 |
| D | Shallow | 7440417 | Beryllium | 1 | 4 | 2 | 0.20 | 0.40 | 0.30 |
| D | Shallow | 7440439 | Cadmium | 1 | 4 | 0 | NA | NA | NA |
| D | Shallow | 7440702 | Calcium | 1 | 4 | 4 | 11,600 | 22,600 | 17,350 |
| D | Shallow | 7440473 | Chromium, Total | 1 | 4 | 3 | 1 | 2 | 2 |
| D | Shallow | 7440484 | Cobalt | 1 | 4 | 0 | NA | NA | NA |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| D | Shallow | 7440508 | Copper | 1 | 4 | 1 | 4 | 4 | 4 |
| D | Shallow | 7439896 | Iron | 1 | 4 | 4 | 210 | 2,270 | 812 |
| D | Shallow | 7439921 | Lead | 1 | 4 | 1 | 2 | 2 | 2 |
| D | Shallow | 7439954 | Magnesium | 1 | 4 | 4 | 1,390 | 1,680 | 1,495 |
| D | Shallow | 7439965 | Manganese | 1 | 4 | 3 | 2 | 15 | 8 |
| D | Shallow | 7439976 | Mercury | 1 | 4 | 0 | NA | NA | NA |
| D | Shallow | 7440020 | Nickel | 1 | 4 | 2 | 2 | 2 | 2 |
| D | Shallow | 7440097 | Potassium | 1 | 4 | 4 | 2,220 | 2,960 | 2,503 |
| D | Shallow | 7782492 | Selenium | 1 | 4 | 1 | 5 | 5 | 5 |
| D | Shallow | 7440224 | Silver | 1 | 4 | 0 | NA | NA | NA |
| D | Shallow | 7440280 | Thallium | 1 | 4 | 0 | NA | NA | NA |
| D | Shallow | 7440315 | Tin (Sn) | 1 | 4 | 0 | NA | NA | NA |
| D | Shallow | 7440622 | Vanadium | 1 | 4 | 4 | 4 | 8 | 6 |
| D | Shallow | 7440666 | Zinc | 1 | 4 | 1 | 14 | 14 | 14 |
| E | Shallow | 7429905 | Aluminum | 31 | 123 | 97 | 19 | 16,100 | 891 |
| E | Shallow | 7440360 | Antimony | 31 | 123 | 6 | 2 | 5 | 3 |
| E | Shallow | 7440382 | Arsenic | 31 | 123 | 66 | 3 | 316 | 36 |
| E | Shallow | 7440393 | Barium | 31 | 123 | 97 | 6 | 398 | 54 |
| E | Shallow | 7440417 | Beryllium | 31 | 123 | 21 | 0.3 | 0.9 | 0.4 |
| E | Shallow | 7440439 | Cadmium | 31 | 123 | 1 | 1.4 | 1.4 | 1 |
| E | Shallow | 7440702 | Calcium | 31 | 123 | 119 | 1170 | 260,000 | 87,887 |
| E | Shallow | 7440473 | Chromium, Total | 31 | 123 | 35 | 0.8 | 31 | 5 |
| E | Shallow | 7440484 | Cobalt | 31 | 123 | 17 | 0.9 | 44 | 10 |
| E | Shallow | 7440508 | Copper | 31 | 123 | 15 | 0.9 | 8 | 3 |
| E | Shallow | 7439896 | Iron | 31 | 123 | 119 | 144 | 76,600 | 9,023 |
| E | Shallow | 7439921 | Lead | 31 | 123 | 22 | 2 | 47 | 9 |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| E | Shallow | 7439954 | Magnesium | 31 | 123 | 119 | 790 | 1,160,000 | 65,403 |
| E | Shallow | 7439965 | Manganese | 31 | 123 | 114 | 2 | 2650 | 442 |
| E | Shallow | 7439976 | Mercury | 31 | 123 | 7 | 0.14 | 0.6 | 0.30 |
| E | Shallow | 7440020 | Nickel | 31 | 123 | 45 | 0.9 | 17 | 4 |
| E | Shallow | 7440097 | Potassium | 31 | 123 | 109 | 1,320 | 289,000 | 31,171 |
| E | Shallow | 7782492 | Selenium | 31 | 123 | 5 | 3 | 5 | 5 |
| E | Shallow | 7440224 | Silver | 31 | 123 | 2 | 2 | 4 | 3 |
| E | Shallow | 7440280 | Thallium | 31 | 123 | 13 | 3 | 6 | 4 |
| E | Shallow | 7440315 | Tin (Sn) | 31 | 123 | 7 | 3 | 10 | 4 |
| E | Shallow | 7440622 | Vanadium | 31 | 123 | 82 | 0.6 | 26 | 4 |
| E | Shallow | 7440666 | Zinc | 31 | 123 | 22 | 5 | 141 | 24 |
| F | Shallow | 7429905 | Aluminum | 1 | 4 | 4 | 185 | 470 | 296 |
| F | Shallow | 7440360 | Antimony | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7440382 | Arsenic | 1 | 4 | 4 | 3 | 9 | 6 |
| F | Shallow | 7440393 | Barium | 1 | 4 | 4 | 29 | 38 | 32 |
| F | Shallow | 7440417 | Beryllium | 1 | 4 | 1 | 0.4 | 0.4 | 0.4 |
| F | Shallow | 7440439 | Cadmium | 1 | 4 | 2 | 0.6 | 4.4 | 2.5 |
| F | Shallow | 7440702 | Calcium | 1 | 4 | 4 | 29,700 | 97,000 | 48,275 |
| F | Shallow | 7440473 | Chromium, Total | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7440484 | Cobalt | 1 | 4 | 4 | 8 | 10 | 9 |
| F | Shallow | 7440508 | Copper | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7439896 | Iron | 1 | 4 | 4 | 51,600 | 62,300 | 55,075 |
| F | Shallow | 7439921 | Lead | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7439954 | Magnesium | 1 | 4 | 4 | 34,600 | 46,600 | 38,425 |
| F | Shallow | 7439965 | Manganese | 1 | 4 | 4 | 984 | 1,560 | 1,141 |
| F | Shallow | 7439976 | Mercury | 1 | 4 | 1 | 0.17 | 0.17 | 0.17 |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| F | Shallow | 7440020 | Nickel | 1 | 4 | 2 | 2 | 3 | 3 |
| F | Shallow | 7440097 | Potassium | 1 | 4 | 4 | 8,820 | 12,200 | 10,005 |
| F | Shallow | 7782492 | Selenium | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7440224 | Silver | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7440280 | Thallium | 1 | 4 | 1 | 5 | 5 | 5 |
| F | Shallow | 7440315 | Tin (Sn) | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7440622 | Vanadium | 1 | 4 | 0 | NA | NA | NA |
| F | Shallow | 7440666 | Zinc | 1 | 4 | 0 | NA | NA | NA |
| G | Shallow | 7429905 | Aluminum | 2 | 9 | 7 | 136 | 1,770 | 663 |
| G | Shallow | 7440360 | Antimony | 2 | 9 | 4 | 3 | 6 | 5 |
| G | Shallow | 7440382 | Arsenic | 2 | 9 | 9 | 8 | 166 | 76 |
| G | Shallow | 7440393 | Barium | 2 | 9 | 9 | 14 | 937 | 424 |
| G | Shallow | 7440417 | Beryllium | 2 | 9 | 0 | NA | NA | NA |
| G | Shallow | 7440439 | Cadmium | 2 | 9 | 2 | 0.40 | 2 | 1.0 |
| G | Shallow | 7440702 | Calcium | 2 | 9 | 9 | 85,600 | 294,000 | 143,300 |
| G | Shallow | 7440473 | Chromium, Total | 2 | 9 | 6 | 2 | 14 | 5 |
| G | Shallow | 7440484 | Cobalt | 2 | 9 | 4 | 1.2 | 8 | 3 |
| G | Shallow | 7440508 | Copper | 2 | 9 | 5 | 12 | 87 | 34 |
| G | Shallow | 7439896 | Iron | 2 | 9 | 9 | 2,000 | 35,700 | 14,683 |
| G | Shallow | 7439921 | Lead | 2 | 9 | 5 | 6 | 52 | 19 |
| G | Shallow | 7439954 | Magnesium | 2 | 9 | 9 | 70,100 | 533,000 | 188,811 |
| G | Shallow | 7439965 | Manganese | 2 | 9 | 9 | 149 | 7980 | 1904 |
| G | Shallow | 7439976 | Mercury | 2 | 9 | 2 | 0.14 | 0.17 | 0.16 |
| G | Shallow | 7440020 | Nickel | 2 | 9 | 8 | 1.2 | 20 | 6 |
| G | Shallow | 7440097 | Potassium | 2 | 9 | 9 | 15,400 | 180,000 | 72,267 |
| G | Shallow | 7782492 | Selenium | 2 | 9 | 2 | 4 | 4 | 4 |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| G | Shallow | 7440224 | Silver | 2 | 9 | 1 | 2 | 2 | 2 |
| G | Shallow | 7440280 | Thallium | 2 | 9 | 0 | NA | NA | NA |
| G | Shallow | 7440315 | Tin (Sn) | 2 | 9 | 1 | 3 | 3 | 3 |
| G | Shallow | 7440622 | Vanadium | 2 | 9 | 8 | 3 | 30 | 12 |
| G | Shallow | 7440666 | Zinc | 2 | 9 | 6 | 18 | 124 | 57 |
| H | Shallow | 7429905 | Aluminum | 11 | 45 | 6 | 57 | 1,140 | 413 |
| H | Shallow | 7440360 | Antimony | 11 | 49 | 0 | NA | NA | NA |
| H | Shallow | 7440382 | Arsenic | 11 | 53 | 30 | 0.8 | 50 | 20 |
| H | Shallow | 7440393 | Barium | 11 | 45 | 15 | 3 | 115 | 26 |
| H | Shallow | 7440417 | Beryllium | 11 | 51 | 1 | 1.0 | 1.0 | 1.0 |
| H | Shallow | 7440439 | Cadmium | 11 | 45 | 1 | 5 | 5 | 5 |
| H | Shallow | 7440702 | Calcium | 11 | 45 | 45 | 8,510 | 720,000 | 208,862 |
| H | Shallow | 7440473 | Chromium, Total | 11 | 49 | 3 | 2 | 6 | 4 |
| H | Shallow | 7440484 | Cobalt | 11 | 45 | 3 | 1.0 | 3 | 2 |
| H | Shallow | 7440508 | Copper | 11 | 45 | 2 | 0.7 | 4 | 2 |
| H | Shallow | 7439896 | Iron | 11 | 45 | 42 | 317 | 28,700 | 9,944 |
| H | Shallow | 7439921 | Lead | 11 | 49 | 8 | 1.1 | 3 | 2 |
| H | Shallow | 7439954 | Magnesium | 11 | 45 | 45 | 10,000 | 1,090,000 | 201,349 |
| H | Shallow | 7439965 | Manganese | 11 | 45 | 41 | 17 | 4,570 | 1,005 |
| H | Shallow | 7439976 | Mercury | 11 | 49 | 2 | 0.12 | 0.13 | 0.13 |
| H | Shallow | 7440020 | Nickel | 11 | 45 | 4 | 1.0 | 36 | 15 |
| H | Shallow | 7440097 | Potassium | 11 | 45 | 44 | 5,010 | 297,000 | 65,602 |
| H | Shallow | 7782492 | Selenium | 11 | 45 | 7 | 1.1 | 5 | 2 |
| H | Shallow | 7440224 | Silver | 11 | 45 | 1 | 1.4 | 1.4 | 1.4 |
| H | Shallow | 7440280 | Thallium | 11 | 49 | 8 | 2 | 105 | 16 |
| H | Shallow | 7440315 | Tin (Sn) | 11 | 12 | 4 | 3 | 4 | 3 |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| H | Shallow | 7440622 | Vanadium | 11 | 45 | 5 | 2 | 8 | 6 |
| H | Shallow | 7440666 | Zinc | 11 | 45 | 4 | 7 | 123 | 37 |
| I | Shallow | 7429905 | Aluminum | 19 | 81 | 25 | 25 | 1,550 | 319 |
| I | Shallow | 7440360 | Antimony | 19 | 83 | 6 | 3 | 6 | 4 |
| I | Shallow | 7440382 | Arsenic | 19 | 83 | 38 | 3 | 66 | 16 |
| I | Shallow | 7440393 | Barium | 19 | 81 | 69 | 3 | 278 | 52 |
| I | Shallow | 7440417 | Beryllium | 19 | 81 | 10 | 0.3 | 1.2 | 0.9 |
| I | Shallow | 7440439 | Cadmium | 19 | 81 | 3 | 0.5 | 2 | 1.2 |
| I | Shallow | 7440702 | Calcium | 19 | 81 | 81 | 39,000 | 980,000 | 266,479 |
| I | Shallow | 7440473 | Chromium, Total | 19 | 81 | 35 | 0.9 | 24 | 5 |
| I | Shallow | 7440484 | Cobalt | 19 | 81 | 8 | 0.7 | 4 | 1.5 |
| I | Shallow | 7440508 | Copper | 19 | 81 | 9 | 1.2 | 5 | 3 |
| I | Shallow | 7439896 | Iron | 19 | 81 | 77 | 49 | 3,1900 | 6,745 |
| I | Shallow | 7439921 | Lead | 19 | 83 | 22 | 2 | 16 | 5 |
| I | Shallow | 7439954 | Magnesium | 19 | 81 | 81 | 8,580 | 1,410,000 | 338,399 |
| I | Shallow | 7439965 | Manganese | 19 | 81 | 80 | 23 | 4,850 | 817 |
| I | Shallow | 7439976 | Mercury | 19 | 81 | 2 | 0.1 | 1.1 | 0.6 |
| I | Shallow | 7440020 | Nickel | 19 | 81 | 40 | 1.0 | 16 | 4 |
| I | Shallow | 7440097 | Potassium | 19 | 81 | 80 | 7,060 | 550,000 | 122,848 |
| I | Shallow | 7782492 | Selenium | 19 | 81 | 1 | 27 | 27 | 27 |
| I | Shallow | 7440224 | Silver | 19 | 81 | 1 | 1.3 | 1.3 | 1.3 |
| I | Shallow | 7440280 | Thallium | 19 | 83 | 9 | 3 | 8 | 5 |
| I | Shallow | 7440315 | Tin (Sn) | 19 | 81 | 4 | 3 | 3 | 3 |
| I | Shallow | 7440622 | Vanadium | 19 | 81 | 41 | 0.7 | 19 | 4 |
| I | Shallow | 7440666 | Zinc | 19 | 81 | 30 | 4 | 316 | 25 |
| K-Annex | Shallow | 7429905 | Aluminum | 2 | 9 | 3 | 391 | 9,490 | 3,571 |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| K-Annex | Shallow | 7440360 | Antimony | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440382 | Arsenic | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440393 | Barium | 2 | 9 | 8 | 6.2 | 65 | 22 |
| K-Annex | Shallow | 7440417 | Beryllium | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440439 | Cadmium | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440702 | Calcium | 2 | 9 | 8 | 1,630 | 8,640 | 3,388 |
| K-Annex | Shallow | 7440473 | Chromium, Total | 2 | 9 | 1 | 11 | 11 | 11 |
| K-Annex | Shallow | 7440484 | Cobalt | 2 | 9 | 1 | 1.5 | 1.5 | 1.5 |
| K-Annex | Shallow | 7440508 | Copper | 2 | 9 | 3 | 0.98 | 4.8 | 2.4 |
| K-Annex | Shallow | 7439896 | Iron | 2 | 9 | 6 | 64 | 2,800 | 638 |
| K-Annex | Shallow | 7439921 | Lead | 2 | 9 | 2 | 1.9 | 6.1 | 4.0 |
| K-Annex | Shallow | 7439954 | Magnesium | 2 | 9 | 8 | 132 | 1,830 | 700 |
| K-Annex | Shallow | 7439965 | Manganese | 2 | 9 | 5 | 1.3 | 67 | 19 |
| K-Annex | Shallow | 7439976 | Mercury | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440020 | Nickel | 2 | 9 | 1 | 6.4 | 6.4 | 6.4 |
| K-Annex | Shallow | 7440097 | Potassium | 2 | 9 | 5 | 423 | 2,670 | 1,174 |
| K-Annex | Shallow | 7782492 | Selenium | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440224 | Silver | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440280 | Thallium | 2 | 9 | 0 | NA | NA | NA |
| K-Annex | Shallow | 7440315 | Tin (Sn) | 2 | 9 | 2 | 54 | 196 | 125 |
| K-Annex | Shallow | 7440622 | Vanadium | 2 | 9 | 3 | 0.76 | 9.4 | 3.7 |
| K-Annex | Shallow | 7440666 | Zinc | 2 | 9 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7429905 | Aluminum | 1 | 4 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7440360 | Antimony | 1 | 6 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7440382 | Arsenic | 1 | 6 | 6 | 5 | 9 | 7 |
| K-Clouter Isl. | Shallow | 7440393 | Barium | 1 | 4 | 4 | 29 | 62 | 48 |

**TABLE 3**
Statistical Summary of the Analytical Results for Shallow Groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| K-Clouter Isl. | Shallow | 7440417 | Beryllium | 1 | 6 | 2 | 0 | 0 | 0 |
| K-Clouter Isl. | Shallow | 7440439 | Cadmium | 1 | 4 | 1 | 0 | 0 | 0 |
| K-Clouter Isl. | Shallow | 7440702 | Calcium | 1 | 4 | 4 | 332,000 | 485,000 | 423,000 |
| K-Clouter Isl. | Shallow | 7440473 | Chromium, Total | 1 | 6 | 1 | 2 | 2 | 2 |
| K-Clouter Isl. | Shallow | 7440484 | Cobalt | 1 | 4 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7440508 | Copper | 1 | 4 | 2 | 5 | 6 | 5 |
| K-Clouter Isl. | Shallow | 7439896 | Iron | 1 | 4 | 4 | 2,580 | 6,250 | 4,585 |
| K-Clouter Isl. | Shallow | 7439921 | Lead | 1 | 6 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7439954 | Magnesium | 1 | 4 | 4 | 163,000 | 327,000 | 265,000 |
| K-Clouter Isl. | Shallow | 7439965 | Manganese | 1 | 4 | 4 | 311 | 976 | 607 |
| K-Clouter Isl. | Shallow | 7439976 | Mercury | 1 | 6 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7440020 | Nickel | 1 | 4 | 1 | 4 | 4 | 4 |
| K-Clouter Isl. | Shallow | 7440097 | Potassium | 1 | 4 | 4 | 55,800 | 99,900 | 81,350 |
| K-Clouter Isl. | Shallow | 7782492 | Selenium | 1 | 4 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7440224 | Silver | 1 | 4 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7440280 | Thallium | 1 | 6 | 0 | NA | NA | NA |
| K-Clouter Isl. | Shallow | 7440315 | Tin (Sn) | 1 | 4 | 1 | 40 | 40 | 40 |
| K-Clouter Isl. | Shallow | 7440622 | Vanadium | 1 | 4 | 4 | 3 | 6 | 5 |
| K-Clouter Isl. | Shallow | 7440666 | Zinc | 1 | 4 | 0 | NA | NA | NA |

All units are in micrograms per liter (µg/L).

NA Not applicable/not available

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| A | Deep | 7429905 | Aluminum | 3 | 12 | 6 | 49 | 1,580 | 552 |
| A | Deep | 7440360 | Antimony | 3 | 10 | 1 | 7 | 7 | 7 |
| A | Deep | 7440382 | Arsenic | 3 | 11 | 3 | 4 | 11 | 8 |
| A | Deep | 7440393 | Barium | 3 | 12 | 9 | 36 | 182 | 93 |
| A | Deep | 7440417 | Beryllium | 3 | 12 | 1 | 3 | 3 | 3 |
| A | Deep | 7440439 | Cadmium | 3 | 12 | 0 | NA | NA | NA |
| A | Deep | 7440702 | Calcium | 3 | 12 | 12 | 45,100 | 524,000 | 229,108 |
| A | Deep | 7440473 | Chromium, Total | 3 | 12 | 3 | 2 | 136 | 64 |
| A | Deep | 7440484 | Cobalt | 3 | 12 | 4 | 10 | 29 | 19 |
| A | Deep | 7440508 | Copper | 3 | 11 | 6 | 6 | 445 | 82 |
| A | Deep | 7439896 | Iron | 3 | 12 | 9 | 187 | 22,700 | 12,901 |
| A | Deep | 7439921 | Lead | 3 | 8 | 1 | 19 | 19 | 19 |
| A | Deep | 7439954 | Magnesium | 3 | 12 | 12 | 93,200 | 1,610,000 | 696,475 |
| A | Deep | 7439965 | Manganese | 3 | 12 | 12 | 183 | 2,660 | 1,377 |
| A | Deep | 7439976 | Mercury | 3 | 12 | 0 | NA | NA | NA |
| A | Deep | 7440020 | Nickel | 3 | 12 | 2 | 20 | 74 | 47 |
| A | Deep | 7440097 | Potassium | 3 | 12 | 12 | 23,500 | 606,000 | 207,550 |
| A | Deep | 7782492 | Selenium | 3 | 10 | 0 | NA | NA | NA |
| A | Deep | 7440224 | Silver | 3 | 12 | 3 | 6 | 31 | 16 |
| A | Deep | 7440280 | Thallium | 3 | 9 | 3 | 17 | 163 | 68 |
| A | Deep | 7440315 | Tin (Sn) | 3 | 9 | 2 | 82 | 111 | 96 |
| A | Deep | 7440622 | Vanadium | 3 | 12 | 1 | 10 | 10 | 10 |
| A | Deep | 7440666 | Zinc | 3 | 11 | 4 | 6 | 1,440 | 385 |
| B | Deep | 7429905 | Aluminum | 2 | 8 | 2 | 57 | 1,910 | 983 |
| B | Deep | 7440360 | Antimony | 2 | 8 | 0 | NA | NA | NA |
| B | Deep | 7440382 | Arsenic | 2 | 8 | 0 | NA | NA | NA |

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| B | Deep | 7440393 | Barium | 2 | 8 | 6 | 7 | 154 | 70 |
| B | Deep | 7440417 | Beryllium | 2 | 8 | 1 | 5 | 5 | 5 |
| B | Deep | 7440439 | Cadmium | 2 | 8 | 0 | NA | NA | NA |
| B | Deep | 7440702 | Calcium | 2 | 8 | 8 | 48,600 | 381,000 | 190,125 |
| B | Deep | 7440473 | Chromium, Total | 2 | 8 | 1 | 102 | 102 | 102 |
| B | Deep | 7440484 | Cobalt | 2 | 8 | 1 | 69 | 69 | 69 |
| B | Deep | 7440508 | Copper | 2 | 8 | 2 | 6 | 88 | 47 |
| B | Deep | 7439896 | Iron | 2 | 8 | 4 | 32 | 184 | 96 |
| B | Deep | 7439921 | Lead | 2 | 8 | 1 | 3 | 3 | 3 |
| B | Deep | 7439954 | Magnesium | 2 | 8 | 8 | 4,900 | 425,000 | 195,881 |
| B | Deep | 7439965 | Manganese | 2 | 8 | 8 | 32 | 894 | 363 |
| B | Deep | 7439976 | Mercury | 2 | 8 | 0 | NA | NA | NA |
| B | Deep | 7440020 | Nickel | 2 | 8 | 3 | 14 | 47 | 26 |
| B | Deep | 7440097 | Potassium | 2 | 8 | 8 | 2,270 | 203,000 | 69,434 |
| B | Deep | 7782492 | Selenium | 2 | 8 | 0 | NA | NA | NA |
| B | Deep | 7440224 | Silver | 2 | 8 | 1 | 136 | 136 | 136 |
| B | Deep | 7440280 | Thallium | 2 | 8 | 0 | NA | NA | NA |
| B | Deep | 7440315 | Tin (Sn) | 2 | 6 | 0 | NA | NA | NA |
| B | Deep | 7440622 | Vanadium | 2 | 8 | 1 | 5 | 5 | 5 |
| B | Deep | 7440666 | Zinc | 2 | 8 | 1 | 9 | 9 | 9 |
| C | Deep | 7429905 | Aluminum | 2 | 8 | 1 | 18 | 18 | 18 |
| C | Deep | 7440360 | Antimony | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440382 | Arsenic | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440393 | Barium | 2 | 8 | 4 | 12 | 70 | 37 |
| C | Deep | 7440417 | Beryllium | 2 | 8 | 1 | 0.33 | 0.33 | 0.33 |
| C | Deep | 7440439 | Cadmium | 2 | 8 | 0 | NA | NA | NA |

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| C | Deep | 7440702 | Calcium | 2 | 8 | 8 | 44,800 | 179,000 | 104,813 |
| C | Deep | 7440473 | Chromium, Total | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440484 | Cobalt | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440508 | Copper | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7439896 | Iron | 2 | 8 | 8 | 213 | 788 | 421 |
| C | Deep | 7439921 | Lead | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7439954 | Magnesium | 2 | 8 | 8 | 1,420 | 22,400 | 10,580 |
| C | Deep | 7439965 | Manganese | 2 | 8 | 8 | 35 | 123 | 73 |
| C | Deep | 7439976 | Mercury | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440020 | Nickel | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440097 | Potassium | 2 | 8 | 4 | 918 | 11,200 | 8,255 |
| C | Deep | 7782492 | Selenium | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440224 | Silver | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440280 | Thallium | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440315 | Tin (Sn) | 2 | 8 | 0 | NA | NA | NA |
| C | Deep | 7440622 | Vanadium | 2 | 8 | 1 | 0.43 | 0.43 | 0.43 |
| C | Deep | 7440666 | Zinc | 2 | 8 | 0 | NA | NA | NA |
| D | Deep | 7429905 | Aluminum | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440360 | Antimony | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440382 | Arsenic | 1 | 4 | 4 | 3 | 6 | 4 |
| D | Deep | 7440393 | Barium | 1 | 4 | 4 | 13 | 16 | 14 |
| D | Deep | 7440417 | Beryllium | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440439 | Cadmium | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440702 | Calcium | 1 | 4 | 4 | 51,300 | 54,900 | 52,825 |
| D | Deep | 7440473 | Chromium, Total | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440484 | Cobalt | 1 | 4 | 0 | NA | NA | NA |

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| D | Deep | 7440508 | Copper | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7439896 | Iron | 1 | 4 | 4 | 384 | 547 | 470 |
| D | Deep | 7439921 | Lead | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7439954 | Magnesium | 1 | 4 | 4 | 3,290 | 3,460 | 3,398 |
| D | Deep | 7439965 | Manganese | 1 | 4 | 4 | 125 | 160 | 142 |
| D | Deep | 7439976 | Mercury | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440020 | Nickel | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440097 | Potassium | 1 | 4 | 3 | 1,090 | 1,270 | 1,183 |
| D | Deep | 7782492 | Selenium | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440224 | Silver | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440280 | Thallium | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440315 | Tin (Sn) | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440622 | Vanadium | 1 | 4 | 0 | NA | NA | NA |
| D | Deep | 7440666 | Zinc | 1 | 4 | 0 | NA | NA | NA |
| E | Deep | 7429905 | Aluminum | 33 | 125 | 23 | 19 | 461 | 90 |
| E | Deep | 7440360 | Antimony | 33 | 127 | 3 | 3 | 7 | 5 |
| E | Deep | 7440382 | Arsenic | 33 | 127 | 65 | 3 | 132 | 21 |
| E | Deep | 7440393 | Barium | 33 | 125 | 104 | 12 | 322 | 85 |
| E | Deep | 7440417 | Beryllium | 33 | 127 | 30 | 0.2 | 1.3 | 0.6 |
| E | Deep | 7440439 | Cadmium | 33 | 125 | 2 | 0.6 | 0.6 | 0.6 |
| E | Deep | 7440702 | Calcium | 33 | 125 | 124 | 44,400 | 391,000 | 163,977 |
| E | Deep | 7440473 | Chromium, Total | 33 | 127 | 27 | 0.8 | 27 | 4 |
| E | Deep | 7440484 | Cobalt | 33 | 125 | 26 | 1.1 | 14 | 6 |
| E | Deep | 7440508 | Copper | 33 | 125 | 10 | 0.6 | 6 | 2 |
| E | Deep | 7439896 | Iron | 33 | 125 | 105 | 19 | 26,000 | 3,529 |
| E | Deep | 7439921 | Lead | 33 | 127 | 2 | 2 | 3 | 3 |

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| E | Deep | 7439954 | Magnesium | 33 | 125 | 124 | 3,190 | 1,370,000 | 307,875 |
| E | Deep | 7439965 | Manganese | 33 | 125 | 123 | 1.3 | 1,660 | 288 |
| E | Deep | 7439976 | Mercury | 33 | 127 | 12 | 0.11 | 0.20 | 0.14 |
| E | Deep | 7440020 | Nickel | 33 | 125 | 55 | 0.8 | 46 | 9 |
| E | Deep | 7440097 | Potassium | 33 | 125 | 120 | 1,720 | 351,000 | 88,609 |
| E | Deep | 7782492 | Selenium | 33 | 125 | 2 | 3 | 4 | 3 |
| E | Deep | 7440224 | Silver | 33 | 125 | 3 | 2 | 3 | 2 |
| E | Deep | 7440280 | Thallium | 33 | 127 | 17 | 3 | 7 | 5 |
| E | Deep | 7440315 | Tin (Sn) | 33 | 125 | 4 | 3 | 3 | 3 |
| E | Deep | 7440622 | Vanadium | 33 | 125 | 42 | 0.5 | 8 | 3 |
| E | Deep | 7440666 | Zinc | 33 | 125 | 12 | 4 | 21 | 10 |
| F | Deep | 7429905 | Aluminum | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7440360 | Antimony | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7440382 | Arsenic | 1 | 4 | 4 | 7 | 10 | 9 |
| F | Deep | 7440393 | Barium | 1 | 4 | 4 | 129 | 137 | 132 |
| F | Deep | 7440417 | Beryllium | 1 | 4 | 1 | 0.23 | 0.23 | 0.23 |
| F | Deep | 7440439 | Cadmium | 1 | 4 | 2 | 0.46 | 0.5 | 0.5 |
| F | Deep | 7440702 | Calcium | 1 | 4 | 4 | 182,000 | 191,000 | 186,750 |
| F | Deep | 7440473 | Chromium, Total | 1 | 4 | 1 | 1.0 | 1.0 | 1.0 |
| F | Deep | 7440484 | Cobalt | 1 | 4 | 4 | 49 | 61 | 55 |
| F | Deep | 7440508 | Copper | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7439896 | Iron | 1 | 4 | 4 | 311 | 1,150 | 805 |
| F | Deep | 7439921 | Lead | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7439954 | Magnesium | 1 | 4 | 4 | 22,000 | 24,200 | 23,150 |
| F | Deep | 7439965 | Manganese | 1 | 4 | 4 | 4,260 | 4,820 | 4,530 |
| F | Deep | 7439976 | Mercury | 1 | 4 | 1 | 0.32 | 0.32 | 0.32 |

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| F | Deep | 7440020 | Nickel | 1 | 4 | 4 | 22 | 25 | 23 |
| F | Deep | 7440097 | Potassium | 1 | 4 | 4 | 5,930 | 6,660 | 6,273 |
| F | Deep | 7782492 | Selenium | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7440224 | Silver | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7440280 | Thallium | 1 | 4 | 2 | 6 | 7 | 6 |
| F | Deep | 7440315 | Tin (Sn) | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7440622 | Vanadium | 1 | 4 | 0 | NA | NA | NA |
| F | Deep | 7440666 | Zinc | 1 | 4 | 0 | NA | NA | NA |
| G | Deep | 7429905 | Aluminum | 2 | 8 | 3 | 20 | 147 | 87 |
| G | Deep | 7440360 | Antimony | 2 | 8 | 1 | 5 | 5 | 5 |
| G | Deep | 7440382 | Arsenic | 2 | 8 | 5 | 3 | 58 | 34 |
| G | Deep | 7440393 | Barium | 2 | 8 | 7 | 65 | 223 | 140 |
| G | Deep | 7440417 | Beryllium | 2 | 8 | 1 | 0.33 | 0.33 | 0.33 |
| G | Deep | 7440439 | Cadmium | 2 | 8 | 2 | 0.34 | 3 | 2 |
| G | Deep | 7440702 | Calcium | 2 | 8 | 8 | 794 | 338,000 | 176,824 |
| G | Deep | 7440473 | Chromium, Total | 2 | 8 | 5 | 1 | 8 | 4 |
| G | Deep | 7440484 | Cobalt | 2 | 8 | 4 | 2 | 10 | 7 |
| G | Deep | 7440508 | Copper | 2 | 8 | 1 | 2 | 2 | 2 |
| G | Deep | 7439896 | Iron | 2 | 8 | 8 | 38 | 16,900 | 7,591 |
| G | Deep | 7439921 | Lead | 2 | 8 | 0 | NA | NA | NA |
| G | Deep | 7439954 | Magnesium | 2 | 8 | 8 | 225 | 624,000 | 335,503 |
| G | Deep | 7439965 | Manganese | 2 | 8 | 8 | 21 | 9,030 | 3,331 |
| G | Deep | 7439976 | Mercury | 2 | 8 | 2 | 0.14 | 0.18 | 0.16 |
| G | Deep | 7440020 | Nickel | 2 | 8 | 6 | 0.8 | 21 | 12 |
| G | Deep | 7440097 | Potassium | 2 | 8 | 7 | 14,700 | 198,000 | 113,529 |
| G | Deep | 7782492 | Selenium | 2 | 8 | 1 | 4 | 4 | 4 |

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| G | Deep | 7440224 | Silver | 2 | 8 | 1 | 4 | 4 | 4 |
| G | Deep | 7440280 | Thallium | 2 | 8 | 0 | NA | NA | NA |
| G | Deep | 7440315 | Tin (Sn) | 2 | 8 | 0 | NA | NA | NA |
| G | Deep | 7440622 | Vanadium | 2 | 8 | 0 | NA | NA | NA |
| G | Deep | 7440666 | Zinc | 2 | 8 | 2 | 6 | 51 | 29 |
| H | Deep | 7429905 | Aluminum | 11 | 44 | 10 | 16 | 3,620 | 1,197 |
| H | Deep | 7440360 | Antimony | 11 | 48 | 2 | 12 | 12 | 12 |
| H | Deep | 7440382 | Arsenic | 11 | 52 | 12 | 2 | 8 | 3 |
| H | Deep | 7440393 | Barium | 11 | 44 | 15 | 30 | 871 | 121 |
| H | Deep | 7440417 | Beryllium | 11 | 50 | 5 | 0.7 | 1.0 | 0.9 |
| H | Deep | 7440439 | Cadmium | 11 | 44 | 15 | 2 | 6 | 4 |
| H | Deep | 7440702 | Calcium | 11 | 44 | 44 | 7,650 | 228,000 | 142,497 |
| H | Deep | 7440473 | Chromium, Total | 11 | 48 | 16 | 0.8 | 12 | 4 |
| H | Deep | 7440484 | Cobalt | 11 | 44 | 5 | 1.0 | 3 | 2 |
| H | Deep | 7440508 | Copper | 11 | 44 | 3 | 0.7 | 118 | 46 |
| H | Deep | 7439896 | Iron | 11 | 44 | 36 | 289 | 7,180 | 3,281 |
| H | Deep | 7439921 | Lead | 11 | 48 | 9 | 1.2 | 6 | 3 |
| H | Deep | 7439954 | Magnesium | 11 | 44 | 44 | 1,290 | 1,150,000 | 823,688 |
| H | Deep | 7439965 | Manganese | 11 | 44 | 39 | 3 | 821 | 323 |
| H | Deep | 7439976 | Mercury | 11 | 48 | 5 | 0.10 | 0.17 | 0.12 |
| H | Deep | 7440020 | Nickel | 11 | 44 | 4 | 2 | 13 | 6 |
| H | Deep | 7440097 | Potassium | 11 | 44 | 44 | 9,050 | 384,000 | 219,297 |
| H | Deep | 7782492 | Selenium | 11 | 44 | 5 | 0.9 | 1.4 | 1.0 |
| H | Deep | 7440224 | Silver | 11 | 44 | 2 | 1.3 | 2 | 2 |
| H | Deep | 7440280 | Thallium | 11 | 48 | 3 | 6 | 6 | 6 |
| H | Deep | 7440315 | Tin (Sn) | 11 | 11 | 5 | 3 | 4 | 3 |

**TABLE 4**
Statistical Summary of the Analytical Results for Deep groundwater Background Samples by Zone for CNC Main Base
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Aquifer | CAS Number | Parameter Name | Wells | Samples | Detects | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) |
|---|---|---|---|---|---|---|---|---|---|
| H | Deep | 7440622 | Vanadium | 11 | 44 | 12 | 1.0 | 9 | 5 |
| H | Deep | 7440666 | Zinc | 11 | 44 | 5 | 62 | 1,180 | 328 |
| I | Deep | 7429905 | Aluminum | 19 | 81 | 11 | 29 | 235 | 83 |
| I | Deep | 7440360 | Antimony | 19 | 87 | 6 | 4 | 9 | 6 |
| I | Deep | 7440382 | Arsenic | 19 | 87 | 15 | 2 | 25 | 8 |
| I | Deep | 7440393 | Barium | 19 | 81 | 72 | 28 | 942 | 146 |
| I | Deep | 7440417 | Beryllium | 19 | 85 | 14 | 0.8 | 1.2 | 1.0 |
| I | Deep | 7440439 | Cadmium | 19 | 81 | 7 | 0.30 | 3 | 1.2 |
| I | Deep | 7440702 | Calcium | 19 | 81 | 81 | 78,600 | 1,030,000 | 220,500 |
| I | Deep | 7440473 | Chromium, Total | 19 | 85 | 34 | 0.8 | 50 | 5 |
| I | Deep | 7440484 | Cobalt | 19 | 81 | 9 | 0.7 | 4 | 2 |
| I | Deep | 7440508 | Copper | 19 | 81 | 7 | 0.8 | 15 | 4 |
| I | Deep | 7439896 | Iron | 19 | 81 | 50 | 34 | 12,200 | 2,269 |
| I | Deep | 7439921 | Lead | 19 | 87 | 9 | 2 | 51 | 12 |
| I | Deep | 7439954 | Magnesium | 19 | 81 | 81 | 8,550 | 1,460,000 | 871,812 |
| I | Deep | 7439965 | Manganese | 19 | 81 | 63 | 0.42 | 690 | 135 |
| I | Deep | 7439976 | Mercury | 19 | 85 | 3 | 0.21 | 2 | 0.8 |
| I | Deep | 7440020 | Nickel | 19 | 81 | 18 | 0.9 | 454 | 28 |
| I | Deep | 7440097 | Potassium | 19 | 81 | 81 | 1,960 | 495,000 | 289,579 |
| I | Deep | 7782492 | Selenium | 19 | 81 | 1 | 6 | 6 | 6 |
| I | Deep | 7440224 | Silver | 19 | 81 | 0 | NA | NA | NA |
| I | Deep | 7440280 | Thallium | 19 | 87 | 16 | 3 | 15 | 6 |
| I | Deep | 7440315 | Tin (Sn) | 19 | 81 | 11 | 3 | 365 | 172 |
| I | Deep | 7440622 | Vanadium | 19 | 81 | 32 | 1.0 | 19 | 6 |
| I | Deep | 7440666 | Zinc | 19 | 81 | 13 | 7 | 116 | 26 |

There are no deep wells in Zone K.
All units are in micrograms per liter (µg/L).
NA Not applicable/not available

# Appendix A1

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| A | AGDASB001 | GDASB00101 | SS | N | 10/05/1995 |
| A | AGDASB002 | GDASB00201 | SS | N | 10/05/1995 |
| A | AGDASB003 | GDASB00301a | SS | N | 10/05/1995 |
| A | AGDASB005 | GDASB00501 | SS | N | 10/09/1995 |
| A | AGDASB006 | GDASB00601 | SS | N | 10/09/1995 |
| A | AGDASB007 | GDASB00701 | SS | N | 10/09/1995 |
| A | AGDASB008 | GDASB00801 | SS | N | 10/09/1995 |
| A | AGDASB009 | GDASB00901 | SS | N | 10/09/1995 |
| A | AGDASB010 | GDASB01001 | SS | N | 10/09/1995 |
| A | AGDASB011 | GDASB01101 | SS | N | 10/09/1995 |
| A | AGDASB012 | GDASB01201 | SS | N | 10/09/1995 |
| A | AGDASB013 | GDASB01301 | SS | N | 10/09/1995 |
| A | AGDASB014 | GDASB01401 | SS | N | 10/11/1995 |
| A | AGDASB0A6 | GDASB0A601 | SS | N | 04/30/1997 |
| A | AGDASB0B6 | GDASB0B601 | SS | N | 04/30/1997 |
| A | AGDASB0C6 | GDASB0C601 | SS | N | 04/30/1997 |
| B | BGDBSB001 | GDBSB00101 | SS | N | 10/04/1995 |
| B | BGDBSB002 | GDBSB00201 | SS | N | 10/04/1995 |
| B | BGDBSB003 | GDBSB00301 | SS | N | 10/04/1995 |
| B | BGDBSB004 | GDBSB00401 | SS | N | 10/04/1995 |
| B | BGDBSB005 | GDBSB00501 | SS | N | 10/04/1995 |
| B | BGDBSB006 | GDBSB00601 | SS | N | 10/04/1995 |
| B | BGDBSB007 | GDBSB00701 | SS | N | 10/04/1995 |
| B | BGDBSB008 | GDBSB00801 | SS | N | 10/04/1995 |
| B | BGDBSB009 | GDBSB00901 | SS | N | 10/04/1995 |
| B | BGDBSB010 | GDBSB01001 | SS | N | 10/04/1995 |
| B | BGDBSB011 | GDBSB01101 | SS | N | 10/04/1995 |
| B | BGDBSB012 | GDBSB01201 | SS | N | 10/04/1995 |
| B | BGDBSB013 | GDBSB01301 | SS | N | 10/04/1995 |
| B | BGDBSB014 | GDBSB01401 | SS | N | 10/04/1995 |
| B | BGDBSB015 | GDBSB01501 | SS | N | 10/04/1995 |
| C | CGDCSB001 | GDCSB00101a | SS | N | 03/15/1995 |
| C | CGDCSB002 | GDCSB00201 | SS | N | 03/13/1995 |
| C | CGDCSB003 | GDCSB00301b | SS | N | 03/17/1995 |
| C | CGDCSB004 | GDCSB00401a | SS | N | 04/14/1995 |
| C | CGDCSB005 | GDCSB00501a | SS | N | 03/17/1995 |
| C | CGDCSB006 | GDCSB00601b | SS | N | 03/17/1995 |
| C | CGDCSB007 | GDCSB00701 | SS | N | 04/14/1995 |
| C | CGDCSB008 | GDCSB00801a | SS | N | 03/17/1995 |
| C | CGDCSB009 | GDCSB00901 | SS | N | 03/31/1995 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| C | CGDCSB010 | GDCSB01001 | SS | N | 04/10/1995 |
| C | CGDCSB011 | GDCSB01101 | SS | N | 04/10/1995 |
| C | CGDCSB012 | GDCSB01201 | SS | N | 04/11/1995 |
| C | CGDCSB013 | GDCSB01301 | SS | N | 04/11/1995 |
| C | CGDCSB014 | GDCSB01401 | SS | N | 04/14/1995 |
| C | CGDCSB015 | GDCSB01501 | SS | N | 04/10/1995 |
| C | CGDCSB016 | GDCSB01601 | SS | N | 04/10/1995 |
| C | CGDCSB017 | GDCSB01701 | SS | N | 04/10/1995 |
| C | CGDCSB018 | GDCSB01801 | SS | N | 04/14/1995 |
| C | CGDCSB019 | GDCSB01901 | SS | N | 04/14/1995 |
| C | CGDCSB020 | GDCSB02001 | SS | N | 04/11/1995 |
| C | CGDCSB021 | GDCSB02101 | SS | N | 04/11/1995 |
| C | CGDCSB022 | GDCSB02201 | SS | N | 04/11/1995 |
| C | CGDCSB023 | GDCSB02301 | SS | N | 04/11/1995 |
| C | CGDCSB024 | GDCSB02401 | SS | N | 04/11/1995 |
| C | CGDCSB025 | GDCSB02501 | SS | N | 04/12/1995 |
| C | CGDCSB026 | GDCSB02601 | SS | N | 04/17/1995 |
| C | CGDCSB027 | GDCSB02701 | SS | N | 04/20/1995 |
| C | CGDCSB028 | GDCSB02801 | SS | N | 04/20/1995 |
| C | CGDCSB029 | GDCSB02901 | SS | N | 04/17/1995 |
| C | CGDCSB030 | GDCSB03001 | SS | N | 04/17/1995 |
| C | CGDCSB031 | GDCSB03101 | SS | N | 04/17/1995 |
| C | CGDCSB032 | GDCSB03201 | SS | N | 04/12/1995 |
| C | CGDCSB033 | GDCSB03301 | SS | N | 04/11/1995 |
| C | CGDCSB034 | GDCSB03401 | SS | N | 04/11/1995 |
| C | CGDCSB035 | GDCSB03501 | SS | N | 04/12/1995 |
| C | CGDCSB036 | GDCSB03601 | SS | N | 04/17/1995 |
| C | CGDCSB037 | GDCSB03701 | SS | N | 04/12/1995 |
| C | CGDCSB038 | GDCSB03801a | SS | N | 06/29/1995 |
| C | CGDCSB039 | GDCSB03901b | SS | N | 06/29/1995 |
| C | CGDCSB040 | GDCSB04001b | SS | N | 06/29/1995 |
| C | CGDCSB041 | GDCSB04101 | SS | N | 06/28/1995 |
| C | CGDCSB042 | GDCSB04201 | SS | N | 06/28/1995 |
| C | CGDCSB043 | GDCSB04301 | SS | N | 06/28/1995 |
| C | CGDCSB044 | GDCSB04401 | SS | N | 06/28/1995 |
| D | DGDDSB001 | GDDSB00101 | SS | N | 08/26/1996 |
| D | DGDDSB002 | GDDSB00201 | SS | N | 10/09/1996 |
| D | DGDDSB003 | GDDSB00301 | SS | N | 10/10/1996 |
| D | DGDDSB004 | GDDSB00401 | SS | N | 10/07/1996 |
| D | DGDDSB005 | GDDSB00501 | SS | N | 10/07/1996 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| D | DGDDSB006 | GDDSB00601 | SS | N | 10/07/1996 |
| E | EGDESB001 | GDESB00101 | SS | N | 09/13/1995 |
| E | EGDESB002 | GDESB00201 | SS | N | 09/13/1995 |
| E | EGDESB003 | GDESB00301 | SS | N | 09/13/1995 |
| E | EGDESB004 | GDESB00401 | SS | N | 10/25/1995 |
| E | EGDESB005 | GDESB00501 | SS | N | 09/13/1995 |
| E | EGDESB006 | GDESB00601 | SS | N | 01/04/1996 |
| E | EGDESB007 | GDESB00701 | SS | N | 01/08/1996 |
| E | EGDESB008 | GDESB00801 | SS | N | 09/13/1995 |
| E | EGDESB009 | GDESB00901a | SS | N | 09/12/1995 |
| E | EGDESB010 | GDESB01001 | SS | N | 09/12/1995 |
| E | EGDESB011 | GDESB01101 | SS | N | 01/16/1996 |
| E | EGDESB012 | GDESB01201 | SS | N | 09/12/1995 |
| E | EGDESB013 | GDESB01301 | SS | N | 09/12/1995 |
| E | EGDESB015 | GDESB01501 | SS | N | 11/09/1995 |
| E | EGDESB016 | GDESB01601 | SS | N | 01/03/1996 |
| E | EGDESB017 | GDESB01701 | SS | N | 02/28/1996 |
| E | EGDESB018 | GDESB01801 | SS | N | 10/26/1995 |
| E | EGDESB019 | GDESB01901 | SS | N | 10/25/1995 |
| E | EGDESB020 | GDESB02001 | SS | N | 11/16/1995 |
| E | EGDESB021 | GDESB02101 | SS | N | 03/01/1996 |
| E | EGDESB022 | GDESB02201 | SS | N | 02/28/1996 |
| E | EGDESB023 | GDESB02301 | SS | N | 01/10/1996 |
| E | EGDESB024 | GDESB02401 | SS | N | 10/25/1995 |
| E | EGDESB025 | GDESB02501 | SS | N | 10/23/1995 |
| E | EGDESB026 | GDESB02601 | SS | N | 09/03/1996 |
| E | EGDESB027 | GDESB02701 | SS | N | 09/03/1996 |
| E | EGDESB028 | GDESB02801 | SS | N | 09/10/1996 |
| E | EGDESB029 | GDESB02901 | SS | N | 09/03/1996 |
| E | EGDESB030 | GDESB03001 | SS | N | 09/03/1996 |
| E | EGDESW08D | GDESW08D19 | SS | N | 06/05/1997 |
| E | EGDESW19D | GDESW19D54 | SS | N | 06/05/1997 |
| E | EGDESW20D | GDESW20D55 | SS | N | 06/05/1997 |
| E | EGDESW26D | GDESW26D28 | SS | N | 06/05/1997 |
| E | EGDESW28D | GDESW28D11 | SS | N | 06/05/1997 |
| E | EGDESW29D | GDESW29D15 | SS | N | 06/05/1997 |
| E | EGDESW2D1 | GDESW2D124 | SS | N | 06/05/1997 |
| F | FGDESB009 | GDESB00901b | SS | N | 09/12/1995 |
| F | FGDFSB001 | GDFSB00101 | SS | N | 08/27/1996 |
| F | FGDFSB002 | GDFSB00201 | SS | N | 10/04/1996 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| F | FGDFSB003 | GDFSB00301 | SS | N | 10/10/1996 |
| F | FGDFSB004 | GDFSB00401 | SS | N | 10/04/1996 |
| F | FGDFSB005 | GDFSB00501 | SS | N | 10/04/1996 |
| G | GGDGSB001 | GDGSB00101 | SS | N | 08/23/1996 |
| G | GGDGSB002 | GDGSB00201 | SS | N | 08/26/1996 |
| G | GGDGSB003 | GDGSB00301 | SS | N | 10/16/1996 |
| G | GGDGSB004 | GDGSB00401 | SS | N | 10/08/1996 |
| G | GGDGSB005 | GDGSB00501 | SS | N | 10/16/1996 |
| G | GGDGSB006 | GDGSB00601 | SS | N | 10/04/1996 |
| G | GGDGSB007 | GDGSB00701 | SS | N | 01/08/1997 |
| G | GGDGSB008 | GDGSB00801 | SS | N | 01/08/1997 |
| G | GGDGSB009 | GDGSB00901 | SS | N | 01/08/1997 |
| H | HGDHSB001 | GDHSB00101 | SS | N | 09/27/1994 |
| H | HGDHSB002 | GDHSB00201 | SS | N | 09/27/1994 |
| H | HGDHSB003 | GDHSB00301 | SS | N | 09/27/1994 |
| H | HGDHSB004 | GDHSB00401 | SS | N | 09/27/1994 |
| H | HGDHSB005 | GDHSB00501 | SS | N | 09/27/1994 |
| H | HGDHSB006 | GDHSB00601 | SS | N | 09/27/1994 |
| H | HGDHSB007 | GDHSB00701 | SS | N | 09/27/1994 |
| H | HGDHSB008 | GDHSB00801 | SS | N | 09/27/1994 |
| H | HGDHSB009 | GDHSB00901 | SS | N | 09/27/1994 |
| H | HGDHSB010 | GDHSB01001 | SS | N | 09/27/1994 |
| H | HGDHSB011 | GDHSB01101 | SS | N | 09/27/1994 |
| H | HGDHSB012 | GDHSB01201 | SS | N | 09/27/1994 |
| H | HGDHSB013 | GDHSB01301 | SS | N | 09/29/1994 |
| H | HGDHSB014 | GDHSB01401 | SS | N | 09/29/1994 |
| H | HGDHSB015 | GDHSB01501 | SS | N | 09/29/1994 |
| H | HGDHSB016 | GDHSB01601 | SS | N | 09/29/1994 |
| H | HGDHSB017 | GDHSB01701 | SS | N | 10/03/1994 |
| H | HGDHSB018 | GDHSB01801 | SS | N | 10/03/1994 |
| H | HGDHSB019 | GDHSB01901 | SS | N | 10/03/1994 |
| H | HGDHSB020 | GDHSB02001 | SS | N | 10/03/1994 |
| H | HGDHSB021 | GDHSB02101 | SS | N | 10/03/1994 |
| H | HGDHSB022 | GDHSB02201 | SS | N | 10/03/1994 |
| H | HGDHSB023 | GDHSB02301 | SS | N | 10/04/1994 |
| H | HGDHSB024 | GDHSB02401 | SS | N | 10/04/1994 |
| H | HGDHSB025 | GDHSB02501 | SS | N | 10/04/1994 |
| H | HGDHSB026 | GDHSB02601 | SS | N | 10/04/1994 |
| H | HGDHSB027 | GDHSB02701 | SS | N | 10/04/1994 |
| H | HGDHSB028 | GDHSB02801 | SS | N | 10/04/1994 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| H | HGDHSB029 | GDHSB02901 | SS | N | 10/04/1994 |
| H | HGDHSB030 | GDHSB03001 | SS | N | 10/04/1994 |
| H | HGDHSB031 | GDHSB03101 | SS | N | 10/04/1994 |
| H | HGDHSB032 | GDHSB03201 | SS | N | 10/04/1994 |
| H | HGDHSB033 | GDHSB03301 | SS | N | 10/04/1994 |
| H | HGDHSB034 | GDHSB03401 | SS | N | 10/04/1994 |
| H | HGDHSB035 | GDHSB03501 | SS | N | 10/04/1994 |
| H | HGDHSB036 | GDHSB03601 | SS | N | 10/04/1994 |
| H | HGDHSB037 | GDHSB03701 | SS | N | 10/05/1994 |
| H | HGDHSB038 | GDHSB03801 | SS | N | 10/05/1994 |
| H | HGDHSB039 | GDHSB03901 | SS | N | 10/05/1994 |
| H | HGDHSB040 | GDHSB04001 | SS | N | 10/05/1994 |
| H | HGDHSB041 | GDHSB04101 | SS | N | 10/05/1994 |
| H | HGDHSB042 | GDHSB04201 | SS | N | 10/05/1994 |
| H | HGDHSB043 | GDHSB04301 | SS | N | 10/05/1994 |
| H | HGDHSB044 | GDHSB04401 | SS | N | 10/05/1994 |
| H | HGDHSB045 | GDHSB04501 | SS | N | 10/05/1994 |
| H | HGDHSB046 | GDHSB04601 | SS | N | 10/05/1994 |
| H | HGDHSB047 | GDHSB04701 | SS | N | 10/06/1994 |
| H | HGDHSB048 | GDHSB04801 | SS | N | 10/06/1994 |
| H | HGDHSB049 | GDHSB04901 | SS | N | 10/06/1994 |
| H | HGDHSB050 | GDHSB05001 | SS | N | 10/06/1994 |
| H | HGDHSB051 | GDHSB05101 | SS | N | 10/06/1994 |
| H | HGDHSB052 | GDHSB05201 | SS | N | 10/06/1994 |
| H | HGDHSB053 | GDHSB05301 | SS | N | 10/06/1994 |
| H | HGDHSB054 | GDHSB05401 | SS | N | 10/06/1994 |
| H | HGDHSB055 | GDHSB05501 | SS | N | 10/06/1994 |
| H | HGDHSB056 | GDHSB05601 | SS | N | 10/07/1994 |
| H | HGDHSB057 | GDHSB05701 | SS | N | 10/07/1994 |
| H | HGDHSB058 | GDHSB05801 | SS | N | 10/07/1994 |
| H | HGDHSB059 | GDHSB05901 | SS | N | 10/07/1994 |
| H | HGDHSB060 | GDHSB06001 | SS | N | 10/07/1994 |
| H | HGDHSB061 | GDHSB06101 | SS | N | 10/07/1994 |
| H | HGDHSB062 | GDHSB06201 | SS | N | 10/08/1994 |
| H | HGDHSB063 | GDHSB06301 | SS | N | 10/08/1994 |
| H | HGDHSB064 | GDHSB06401 | SS | N | 10/08/1994 |
| H | HGDHSB065 | GDHSB06501 | SS | N | 10/08/1994 |
| H | HGDHSB066 | GDHSB06601 | SS | N | 10/10/1994 |
| H | HGDHSB067 | GDHSB06701 | SS | N | 10/11/1994 |
| H | HGDHSB068 | GDHSB06801 | SS | N | 10/11/1994 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| H | HGDHSB069 | GDHSB06901 | SS | N | 10/11/1994 |
| H | HGDHSB070 | GDHSB07001 | SS | N | 10/11/1994 |
| H | HGDHSB071 | GDHSB07101 | SS | N | 10/11/1994 |
| H | HGDHSB072 | GDHSB07201 | SS | N | 10/11/1994 |
| H | HGDHSB073 | GDHSB07301 | SS | N | 10/12/1994 |
| H | HGDHSB074 | GDHSB07401 | SS | N | 10/21/1994 |
| H | HGDHSB075 | GDHSB07501 | SS | N | 10/21/1994 |
| H | HGDHSB076 | GDHSB07601 | SS | N | 10/21/1994 |
| H | HGDHSB077 | GDHSB07701 | SS | N | 10/21/1994 |
| H | HGDHSB078 | GDHSB07801 | SS | N | 10/21/1994 |
| H | HGDHSB079 | GDHSB07901 | SS | N | 10/21/1994 |
| H | HGDHSB080 | GDHSB08001 | SS | N | 10/21/1994 |
| H | HGDHSB081 | GDHSB08101 | SS | N | 10/21/1994 |
| H | HGDHSB082 | GDHSB08201 | SS | N | 10/22/1994 |
| H | HGDHSB083 | GDHSB08301 | SS | N | 10/22/1994 |
| H | HGDHSB084 | GDHSB08401 | SS | N | 11/09/1994 |
| H | HGDHSB085 | GDHSB08501 | SS | N | 11/09/1994 |
| H | HGDHSB086 | GDHSB08601 | SS | N | 11/22/1994 |
| H | HGDHSB087 | GDHSB08701 | SS | N | 11/22/1994 |
| H | HGDHSB088 | GDHSB08801 | SS | N | 11/22/1994 |
| H | HGDHSB089 | GDHSB08901 | SS | N | 11/30/1994 |
| H | HGDHSB090 | GDHSB09001 | SS | N | 11/30/1994 |
| H | HGDHSB091 | GDHSB09101 | SS | N | 11/30/1994 |
| H | HGDHSB092 | GDHSB09201 | SS | N | 12/14/1994 |
| H | HGDHSB093 | GDHSB09301 | SS | N | 12/19/1994 |
| H | HGDHSB104 | GDHSB10401 | SS | N | 02/06/1995 |
| H | HGDHSB105 | GDHSB10501 | SS | N | 02/06/1995 |
| H | HGDHSB107 | GDHSB10701 | SS | N | 02/07/1995 |
| H | HGDHSW04D | GDHSW04D07 | SS | N | 10/19/1994 |
| I | IGDISB002 | GDISB00201 | SS | N | 02/16/1995 |
| I | IGDISB005 | GDISB00501 | SS | N | 02/16/1995 |
| I | IGDISB006 | GDISB00601 | SS | N | 02/16/1995 |
| I | IGDISB007 | GDISB00701 | SS | N | 02/16/1995 |
| I | IGDISB008 | GDISB00801 | SS | N | 02/16/1995 |
| I | IGDISB009 | GDISB00901 | SS | N | 02/17/1995 |
| I | IGDISB010 | GDISB01001 | SS | N | 02/17/1995 |
| I | IGDISB011 | GDISB01101 | SS | N | 02/17/1995 |
| I | IGDISB012 | GDISB01201 | SS | N | 02/17/1995 |
| I | IGDISB013 | GDISB01301 | SS | N | 02/17/1995 |
| I | IGDISB016 | GDISB01601 | SS | N | 02/17/1995 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| I | IGDISB017 | GDISB01701 | SS | N | 02/16/1995 |
| I | IGDISB018 | GDISB01801b | SS | N | 02/17/1995 |
| K-ANNEX | KGDKSB001 | GDKSB00101 | SS | N | 12/05/1996 |
| K-ANNEX | KGDKSB002 | GDKSB00201 | SS | N | 12/05/1996 |
| K-ANNEX | KGDKSB003 | GDKSB00301 | SS | N | 12/05/1996 |
| K-ANNEX | KGDKSB004 | GDKSB00401 | SS | N | 12/05/1996 |
| K-ANNEX | KGDKSB005 | GDKSB00501 | SS | N | 12/05/1996 |
| K-ANNEX | KGDKSB006 | GDKSB00601 | SS | N | 12/06/1996 |
| K-ANNEX | KGDKSB007 | GDKSB00701 | SS | N | 12/06/1996 |
| K-ANNEX | KGDKSB008 | GDKSB00801 | SS | N | 12/06/1996 |
| K-ANNEX | KGDKSB009 | GDKSB00901 | SS | N | 12/06/1996 |
| K-ANNEX | KGDKSB014 | GDKSB01401 | SS | N | 03/22/2001 |
| K-ANNEX | KGDKSB015 | GDKSB01501 | SS | N | 03/22/2001 |
| K-ANNEX | KGDKSB016 | GDKSB01601 | SS | N | 03/22/2001 |
| K-ANNEX | KGDKSB017 | GDKSB01701 | SS | N | 03/22/2001 |
| K-ANNEX | KGDKSB018 | GDKSB01801 | SS | N | 03/22/2001 |
| K-ANNEX | KGDKSB019 | GDKSB01901 | SS | N | 03/22/2001 |
| K-CLOUTER | KGDKSBCL1 | GDKSBCL101 | SS | N | 01/16/1997 |
| K-CLOUTER | KGDKSBCL2 | GDKSBCL201 | SS | N | 01/21/1997 |
| K-CLOUTER | KGDKSBCL3 | GDKSBCL301 | SS | N | 01/21/1997 |
| K-CLOUTER | KGDKSBCL4 | GDKSBCL401 | SS | N | 01/21/1997 |
| RR | LFGDLSB00101 | GDLSB00101 | SS | N | 03/22/2001 |
| RR | LFGDLSB00201 | GDLSB00201 | SS | N | 03/22/2001 |
| RR | LFGDLSB00301 | GDLSB00301 | SS | N | 03/22/2001 |
| RR | LFGDLSB00401 | GDLSB00401 | SS | N | 03/22/2001 |
| RR | LFGDLSB00501 | GDLSB00501 | SS | N | 03/22/2001 |
| RR | LFGDLSB00601 | GDLSB00601 | SS | N | 03/22/2001 |
| RR | LFGDLSB00701 | GDLSB00701 | SS | N | 03/22/2001 |
| RR | LFGDLSB00801 | GDLSB00801 | SS | N | 03/22/2001 |
| RR | LFGDLSB00901 | GDLSB00901 | SS | N | 03/22/2001 |
| RR | LFGDLSB01001 | GDLSB01001 | SS | N | 03/22/2001 |
| RR | LFGDLSB01201 | GDLSB01201 | SS | N | 03/22/2001 |
| RR | LFGDLSB01301 | GDLSB01301 | SS | N | 03/22/2001 |
| RR | LFGDLSB01401 | GDLSB01401 | SS | N | 03/23/2001 |
| RR | LFGDLSB01501 | GDLSB01501 | SS | N | 03/23/2001 |
| RR | LFGDLSB01601 | GDLSB01601 | SS | N | 03/23/2001 |
| RR | LFGDLSB01701 | GDLSB01701 | SS | N | 03/23/2001 |
| RR | LFGDLSB01801 | GDLSB01801 | SS | N | 03/23/2001 |
| RR | LFGDLSB01901 | GDLSB01901 | SS | N | 03/23/2001 |
| RR | LFGDLSB02001 | GDLSB02001 | SS | N | 03/23/2001 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| RR | LFGDLSB02101 | GDLSB02101 | SS | N | 03/23/2001 |
| RR | LFGDLSB02201 | GDLSB02201 | SS | N | 03/23/2001 |
| A | AGDASB001 | GDASB00102 | SB | N | 10/05/1995 |
| A | AGDASB002 | GDASB00202 | SB | N | 10/05/1995 |
| A | AGDASB003 | GDASB00302 | SB | N | 10/05/1995 |
| A | AGDASB005 | GDASB00502 | SB | N | 10/09/1995 |
| A | AGDASB006 | GDASB00602 | SB | N | 10/09/1995 |
| A | AGDASB007 | GDASB00702 | SB | N | 10/09/1995 |
| A | AGDASB008 | GDASB00802 | SB | N | 10/09/1995 |
| A | AGDASB009 | GDASB00902 | SB | N | 10/09/1995 |
| A | AGDASB011 | GDASB01102 | SB | N | 10/09/1995 |
| A | AGDASB012 | GDASB01202 | SB | N | 10/09/1995 |
| A | AGDASB013 | GDASB01302 | SB | N | 10/09/1995 |
| A | AGDASB014 | GDASB01402 | SB | N | 10/11/1995 |
| B | BGDBSB001 | GDBSB00102 | SB | N | 10/04/1995 |
| B | BGDBSB002 | GDBSB00202 | SB | N | 10/04/1995 |
| B | BGDBSB004 | GDBSB00402 | SB | N | 10/04/1995 |
| B | BGDBSB005 | GDBSB00502 | SB | N | 10/04/1995 |
| B | BGDBSB006 | GDBSB00602 | SB | N | 10/04/1995 |
| B | BGDBSB007 | GDBSB00702 | SB | N | 10/04/1995 |
| B | BGDBSB008 | GDBSB00802 | SB | N | 10/04/1995 |
| B | BGDBSB009 | GDBSB00902 | SB | N | 10/04/1995 |
| B | BGDBSB010 | GDBSB01002 | SB | N | 10/04/1995 |
| B | BGDBSB011 | GDBSB01102 | SB | N | 10/04/1995 |
| B | BGDBSB012 | GDBSB01202 | SB | N | 10/04/1995 |
| B | BGDBSB013 | GDBSB01302 | SB | N | 10/04/1995 |
| B | BGDBSB014 | GDBSB01402 | SB | N | 10/04/1995 |
| B | BGDBSB015 | GDBSB01502 | SB | N | 10/04/1995 |
| C | CGDCSB001 | GDCSB00102b | SB | N | 03/15/1995 |
| C | CGDCSB004 | GDCSB00402a | SB | N | 04/14/1995 |
| C | CGDCSB008 | GDCSB00802a | SB | N | 03/17/1995 |
| C | CGDCSB009 | GDCSB00902 | SB | N | 03/31/1995 |
| C | CGDCSB010 | GDCSB01002 | SB | N | 04/10/1995 |
| C | CGDCSB012 | GDCSB01202 | SB | N | 04/11/1995 |
| C | CGDCSB013 | GDCSB01302 | SB | N | 04/12/1995 |
| C | CGDCSB014 | GDCSB01402 | SB | N | 04/14/1995 |
| C | CGDCSB015 | GDCSB01502 | SB | N | 04/10/1995 |
| C | CGDCSB019 | GDCSB01902 | SB | N | 04/14/1995 |
| C | CGDCSB020 | GDCSB02002 | SB | N | 04/11/1995 |
| C | CGDCSB021 | GDCSB02102 | SB | N | 04/11/1995 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| C | CGDCSB022 | GDCSB02202 | SB | N | 04/11/1995 |
| C | CGDCSB023 | GDCSB02302 | SB | N | 04/11/1995 |
| C | CGDCSB024 | GDCSB02402 | SB | N | 04/11/1995 |
| C | CGDCSB025 | GDCSB02502 | SB | N | 04/12/1995 |
| C | CGDCSB026 | GDCSB02602 | SB | N | 04/17/1995 |
| C | CGDCSB027 | GDCSB02702 | SB | N | 04/20/1995 |
| C | CGDCSB028 | GDCSB02802 | SB | N | 04/20/1995 |
| C | CGDCSB029 | GDCSB02902 | SB | N | 04/17/1995 |
| C | CGDCSB030 | GDCSB03002 | SB | N | 04/17/1995 |
| C | CGDCSB031 | GDCSB03102 | SB | N | 04/17/1995 |
| C | CGDCSB032 | GDCSB03202 | SB | N | 04/12/1995 |
| C | CGDCSB033 | GDCSB03302 | SB | N | 04/11/1995 |
| C | CGDCSB034 | GDCSB03402 | SB | N | 04/11/1995 |
| C | CGDCSB035 | GDCSB03502 | SB | N | 04/12/1995 |
| C | CGDCSB036 | GDCSB03602 | SB | N | 04/17/1995 |
| C | CGDCSB037 | GDCSB03702 | SB | N | 04/12/1995 |
| C | CGDCSB038 | GDCSB03802b | SB | N | 06/29/1995 |
| C | CGDCSB039 | GDCSB03902 | SB | N | 06/29/1995 |
| D | DGDDSB001 | GDDSB00102 | SB | N | 08/26/1996 |
| D | DGDDSB002 | GDDSB00202 | SB | N | 10/09/1996 |
| D | DGDDSB003 | GDDSB00302 | SB | N | 10/10/1996 |
| D | DGDDSB004 | GDDSB00402 | SB | N | 10/07/1996 |
| D | DGDDSB005 | GDDSB00502 | SB | N | 10/07/1996 |
| D | DGDDSB006 | GDDSB00602 | SB | N | 10/07/1996 |
| E | EGDESB001 | GDESB00102 | SB | N | 09/13/1995 |
| E | EGDESB002 | GDESB00202 | SB | N | 09/13/1995 |
| E | EGDESB003 | GDESB00302 | SB | N | 09/13/1995 |
| E | EGDESB004 | GDESB00402 | SB | N | 10/25/1995 |
| E | EGDESB005 | GDESB00502 | SB | N | 09/13/1995 |
| E | EGDESB006 | GDESB00602 | SB | N | 01/04/1996 |
| E | EGDESB007 | GDESB00702 | SB | N | 01/08/1996 |
| E | EGDESB008 | GDESB00802 | SB | N | 09/13/1995 |
| E | EGDESB009 | GDESB00902a | SB | N | 09/12/1995 |
| E | EGDESB010 | GDESB01002 | SB | N | 09/12/1995 |
| E | EGDESB011 | GDESB01102 | SB | N | 01/16/1996 |
| E | EGDESB012 | GDESB01202 | SB | N | 09/12/1995 |
| E | EGDESB013 | GDESB01302 | SB | N | 09/12/1995 |
| E | EGDESB015 | GDESB01502 | SB | N | 11/09/1995 |
| E | EGDESB016 | GDESB01602 | SB | N | 01/03/1996 |
| E | EGDESB017 | GDESB01702 | SB | N | 02/28/1996 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| E | EGDESB018 | GDESB01802 | SB | N | 10/26/1995 |
| E | EGDESB019 | GDESB01902 | SB | N | 10/25/1995 |
| E | EGDESB020 | GDESB02002 | SB | N | 11/16/1995 |
| E | EGDESB021 | GDESB02102 | SB | N | 03/01/1996 |
| E | EGDESB023 | GDESB02302 | SB | N | 01/10/1996 |
| E | EGDESB024 | GDESB02402 | SB | N | 10/25/1995 |
| E | EGDESB025 | GDESB02502 | SB | N | 10/23/1995 |
| E | EGDESB026 | GDESB02602 | SB | N | 09/03/1996 |
| E | EGDESB028 | GDESB02802 | SB | N | 09/10/1996 |
| E | EGDESB029 | GDESB02902 | SB | N | 09/03/1996 |
| E | EGDESB030 | GDESB03002 | SB | N | 09/03/1996 |
| F | FGDESB009 | GDESB00902b | SB | N | 09/12/1995 |
| F | FGDFSB001 | GDFSB00102 | SB | N | 08/27/1996 |
| F | FGDFSB002 | GDFSB00202 | SB | N | 10/04/1996 |
| F | FGDFSB003 | GDFSB00302 | SB | N | 10/10/1996 |
| F | FGDFSB004 | GDFSB00402 | SB | N | 10/04/1996 |
| F | FGDFSB005 | GDFSB00502 | SB | N | 10/04/1996 |
| G | GGDGSB002 | GDGSB00202 | SB | N | 08/26/1996 |
| G | GGDGSB004 | GDGSB00402 | SB | N | 10/08/1996 |
| G | GGDGSB005 | GDGSB00502 | SB | N | 10/16/1996 |
| G | GGDGSB006 | GDGSB00602 | SB | N | 10/04/1996 |
| G | GGDGSB007 | GDGSB00702 | SB | N | 01/08/1997 |
| G | GGDGSB008 | GDGSB00802 | SB | N | 01/08/1997 |
| G | GGDGSB009 | GDGSB00902 | SB | N | 01/08/1997 |
| H | HGDHSB001 | GDHSB00102 | SB | N | 09/27/1994 |
| H | HGDHSB002 | GDHSB00202 | SB | N | 09/27/1994 |
| H | HGDHSB003 | GDHSB00302 | SB | N | 09/27/1994 |
| H | HGDHSB004 | GDHSB00402 | SB | N | 09/27/1994 |
| H | HGDHSB006 | GDHSB00602 | SB | N | 09/27/1994 |
| H | HGDHSB007 | GDHSB00702 | SB | N | 09/27/1994 |
| H | HGDHSB008 | GDHSB00802 | SB | N | 09/27/1994 |
| H | HGDHSB009 | GDHSB00902 | SB | N | 09/27/1994 |
| H | HGDHSB010 | GDHSB01002 | SB | N | 09/27/1994 |
| H | HGDHSB011 | GDHSB01102 | SB | N | 09/27/1994 |
| H | HGDHSB012 | GDHSB01202 | SB | N | 09/27/1994 |
| H | HGDHSB013 | GDHSB01302 | SB | N | 09/29/1994 |
| H | HGDHSB014 | GDHSB01402 | SB | N | 09/29/1994 |
| H | HGDHSB015 | GDHSB01502 | SB | N | 09/29/1994 |
| H | HGDHSB016 | GDHSB01602 | SB | N | 09/29/1994 |
| H | HGDHSB017 | GDHSB01702 | SB | N | 10/03/1994 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| H | HGDHSB019 | GDHSB01902 | SB | N | 10/03/1994 |
| H | HGDHSB020 | GDHSB02002 | SB | N | 10/03/1994 |
| H | HGDHSB023 | GDHSB02302 | SB | N | 10/04/1994 |
| H | HGDHSB026 | GDHSB02602 | SB | N | 10/04/1994 |
| H | HGDHSB027 | GDHSB02702 | SB | N | 10/04/1994 |
| H | HGDHSB031 | GDHSB03102 | SB | N | 10/04/1994 |
| H | HGDHSB032 | GDHSB03202 | SB | N | 10/04/1994 |
| H | HGDHSB033 | GDHSB03302 | SB | N | 10/04/1994 |
| H | HGDHSB034 | GDHSB03402 | SB | N | 10/04/1994 |
| H | HGDHSB037 | GDHSB03702 | SB | N | 10/05/1994 |
| H | HGDHSB038 | GDHSB03802 | SB | N | 10/05/1994 |
| H | HGDHSB039 | GDHSB03902 | SB | N | 10/05/1994 |
| H | HGDHSB040 | GDHSB04002 | SB | N | 10/05/1994 |
| H | HGDHSB042 | GDHSB04202 | SB | N | 10/05/1994 |
| H | HGDHSB043 | GDHSB04302 | SB | N | 10/05/1994 |
| H | HGDHSB045 | GDHSB04502 | SB | N | 10/05/1994 |
| H | HGDHSB046 | GDHSB04602 | SB | N | 10/05/1994 |
| H | HGDHSB047 | GDHSB04702 | SB | N | 10/06/1994 |
| H | HGDHSB051 | GDHSB05102 | SB | N | 10/06/1994 |
| H | HGDHSB052 | GDHSB05202 | SB | N | 10/06/1994 |
| H | HGDHSB053 | GDHSB05302 | SB | N | 10/06/1994 |
| H | HGDHSB054 | GDHSB05402 | SB | N | 10/06/1994 |
| H | HGDHSB056 | GDHSB05602 | SB | N | 10/07/1994 |
| H | HGDHSB058 | GDHSB05802 | SB | N | 10/07/1994 |
| H | HGDHSB063 | GDHSB06302 | SB | N | 10/08/1994 |
| H | HGDHSB064 | GDHSB06402 | SB | N | 10/08/1994 |
| H | HGDHSB067 | GDHSB06702 | SB | N | 10/11/1994 |
| H | HGDHSB071 | GDHSB07102 | SB | N | 10/11/1994 |
| H | HGDHSB072 | GDHSB07202 | SB | N | 10/11/1994 |
| H | HGDHSB073 | GDHSB07302 | SB | N | 10/12/1994 |
| H | HGDHSB078 | GDHSB07802 | SB | N | 10/21/1994 |
| H | HGDHSB079 | GDHSB07902 | SB | N | 10/21/1994 |
| H | HGDHSB080 | GDHSB08002 | SB | N | 10/21/1994 |
| H | HGDHSB082 | GDHSB08202 | SB | N | 10/22/1994 |
| H | HGDHSB084 | GDHSB08402 | SB | N | 11/09/1994 |
| H | HGDHSB085 | GDHSB08502 | SB | N | 11/09/1994 |
| H | HGDHSB086 | GDHSB08602 | SB | N | 11/22/1994 |
| H | HGDHSB087 | GDHSB08702 | SB | N | 11/22/1994 |
| H | HGDHSB088 | GDHSB08802 | SB | N | 11/22/1994 |
| H | HGDHSB092 | GDHSB09202 | SB | N | 12/14/1994 |

**TABLE A1**
Background Soil (Surface and Subsurface) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Media Type | Sample Type | Date Collected |
|---|---|---|---|---|---|
| H | HGDHSB104 | GDHSB10402 | SB | N | 02/06/1995 |
| H | HGDHSB107 | GDHSB10702 | SB | N | 02/07/1995 |
| I | IGDISB012 | GDISB01202 | SB | N | 02/17/1995 |
| I | IGDISB013 | GDISB01302 | SB | N | 02/17/1995 |
| I | IGDISB017 | GDISB01702 | SB | N | 02/16/1995 |
| I | IGDISB018 | GDISB01802b | SB | N | 02/17/1995 |
| K-ANNEX | KGDKSB001 | GDKSB00102 | SB | N | 12/05/1996 |
| K-ANNEX | KGDKSB002 | GDKSB00202 | SB | N | 12/05/1996 |
| K-ANNEX | KGDKSB003 | GDKSB00302 | SB | N | 12/05/1996 |
| K-ANNEX | KGDKSB004 | GDKSB00402 | SB | N | 12/05/1996 |
| K-ANNEX | KGDKSB005 | GDKSB00502 | SB | N | 12/05/1996 |
| K-ANNEX | KGDKSB006 | GDKSB00602 | SB | N | 12/06/1996 |
| K-ANNEX | KGDKSB007 | GDKSB00702 | SB | N | 12/06/1996 |
| K-ANNEX | KGDKSB008 | GDKSB00802 | SB | N | 12/06/1996 |
| K-ANNEX | KGDKSB009 | GDKSB00902 | SB | N | 12/06/1996 |
| K-ANNEX | KGDKSB014 | GDKSB01402 | SB | N | 03/22/2001 |
| K-ANNEX | KGDKSB015 | GDKSB01502 | SB | N | 03/22/2001 |
| K-ANNEX | KGDKSB016 | GDKSB01602 | SB | N | 03/22/2001 |
| K-CLOUTER | KGDKSBCL1 | GDKSBCL102 | SB | N | 01/16/1997 |

SB Subsurface Soil
SS Surface Soil

# Appendix A2

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| A | AGDAGW001 | GDAGW00101 | WG | S |
| A | AGDAGW001 | GDAGW00102 | WG | S |
| A | AGDAGW001 | GDAGW00103 | WG | S |
| A | AGDAGW001 | GDAGW00104 | WG | S |
| A | AGDAGW002 | GDAGW00201 | WG | S |
| A | AGDAGW002 | GDAGW00202 | WG | S |
| A | AGDAGW002 | GDAGW00203 | WG | S |
| A | AGDAGW002 | GDAGW00204 | WG | S |
| A | AGDAGW003 | GDAGW00301 | WG | S |
| A | AGDAGW003 | GDAGW00302 | WG | S |
| A | AGDAGW003 | GDAGW00303 | WG | S |
| A | AGDAGW003 | GDAGW00304 | WG | S |
| A | AGDAGW01D | GDAGW01D01 | WG | D |
| A | AGDAGW01D | GDAGW01D02 | WG | D |
| A | AGDAGW01D | GDAGW01D03 | WG | D |
| A | AGDAGW01D | GDAGW01D04 | WG | D |
| A | AGDAGW02D | GDAGW02D01 | WG | D |
| A | AGDAGW02D | GDAGW02D02 | WG | D |
| A | AGDAGW02D | GDAGW02D03 | WG | D |
| A | AGDAGW02D | GDAGW02D04 | WG | D |
| A | AGDAGW03D | GDAGW03D01b | WG | D |
| A | AGDAGW03D | GDAGW03D02b | WG | D |
| A | AGDAGW03D | GDAGW03D03 | WG | D |
| A | AGDAGW03D | GDAGW03D04 | WG | D |
| B | BGDBGW001 | GDBGW00101 | WG | S |
| B | BGDBGW001 | GDBGW00102 | WG | S |
| B | BGDBGW001 | GDBGW00103 | WG | S |
| B | BGDBGW001 | GDBGW00104 | WG | S |
| B | BGDBGW002 | GDBGW00201 | WG | S |
| B | BGDBGW002 | GDBGW00202 | WG | S |
| B | BGDBGW002 | GDBGW00203 | WG | S |
| B | BGDBGW002 | GDBGW00204 | WG | S |
| B | BGDBGW003 | GDBGW00301 | WG | S |
| B | BGDBGW003 | GDBGW00302 | WG | S |
| B | BGDBGW003 | GDBGW00303 | WG | S |
| B | BGDBGW003 | GDBGW00304 | WG | S |
| B | BGDBGW004 | GDBGW00401b | WG | S |
| B | BGDBGW004 | GDBGW00402b | WG | S |
| B | BGDBGW004 | GDBGW00403 | WG | S |
| B | BGDBGW004 | GDBGW00404 | WG | S |
| B | BGDBGW01D | GDBGW01D01b | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| B | BGDBGW01D | GDBGW01D02b | WG | D |
| B | BGDBGW01D | GDBGW01D03 | WG | D |
| B | BGDBGW01D | GDBGW01D04 | WG | D |
| B | BGDBGW04D | GDBGW04D01 | WG | D |
| B | BGDBGW04D | GDBGW04D02 | WG | D |
| B | BGDBGW04D | GDBGW04D03 | WG | D |
| B | BGDBGW04D | GDBGW04D04 | WG | D |
| C | CGDCGW001 | GDCGW00101 | WG | S |
| C | CGDCGW001 | GDCGW00102 | WG | S |
| C | CGDCGW001 | GDCGW00103 | WG | S |
| C | CGDCGW001 | GDCGW00104 | WG | S |
| C | CGDCGW002 | GDCGW00201a | WG | S |
| C | CGDCGW002 | GDCGW00202 | WG | S |
| C | CGDCGW002 | GDCGW00203 | WG | S |
| C | CGDCGW002 | GDCGW00204 | WG | S |
| C | CGDCGW01D | GDCGW01D01 | WG | D |
| C | CGDCGW01D | GDCGW01D02 | WG | D |
| C | CGDCGW01D | GDCGW01D03 | WG | D |
| C | CGDCGW01D | GDCGW01D04 | WG | D |
| C | CGDCGW02D | GDCGW02D01 | WG | D |
| C | CGDCGW02D | GDCGW02D02 | WG | D |
| C | CGDCGW02D | GDCGW02D03 | WG | D |
| C | CGDCGW02D | GDCGW02D04 | WG | D |
| D | DGDDGW001 | GDDGW00101 | WG | S |
| D | DGDDGW001 | GDDGW00102 | WG | S |
| D | DGDDGW001 | GDDGW00103 | WG | S |
| D | DGDDGW001 | GDDGW00104 | WG | S |
| D | DGDDGW01D | GDDGW01D01 | WG | D |
| D | DGDDGW01D | GDDGW01D02 | WG | D |
| D | DGDDGW01D | GDDGW01D03 | WG | D |
| D | DGDDGW01D | GDDGW01D04 | WG | D |
| E | EGDEGW001 | GDEGW00101 | WG | S |
| E | EGDEGW001 | GDEGW00102 | WG | S |
| E | EGDEGW001 | GDEGW00103 | WG | S |
| E | EGDEGW001 | GDEGW00104 | WG | S |
| E | EGDEGW002 | GDEGW00201 | WG | S |
| E | EGDEGW002 | GDEGW00202 | WG | S |
| E | EGDEGW002 | GDEGW00203 | WG | S |
| E | EGDEGW002 | GDEGW00204 | WG | S |
| E | EGDEGW003 | GDEGW00301 | WG | S |
| E | EGDEGW003 | GDEGW00302 | WG | S |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| E | EGDEGW003 | GDEGW00303 | WG | S |
| E | EGDEGW003 | GDEGW00304 | WG | S |
| E | EGDEGW004 | GDEGW00401 | WG | S |
| E | EGDEGW004 | GDEGW00402 | WG | S |
| E | EGDEGW004 | GDEGW00403 | WG | S |
| E | EGDEGW004 | GDEGW00404 | WG | S |
| E | EGDEGW004 | GDEGW00405 | WG | S |
| E | EGDEGW005 | GDEGW00501 | WG | S |
| E | EGDEGW005 | GDEGW00502 | WG | S |
| E | EGDEGW005 | GDEGW00503 | WG | S |
| E | EGDEGW005 | GDEGW00504 | WG | S |
| E | EGDEGW006 | GDEGW00601 | WG | S |
| E | EGDEGW006 | GDEGW00602 | WG | S |
| E | EGDEGW006 | GDEGW00603 | WG | S |
| E | EGDEGW006 | GDEGW00604 | WG | S |
| E | EGDEGW007 | GDEGW00701 | WG | S |
| E | EGDEGW007 | GDEGW00702 | WG | S |
| E | EGDEGW007 | GDEGW00703 | WG | S |
| E | EGDEGW007 | GDEGW00704 | WG | S |
| E | EGDEGW008 | GDEGW00801 | WG | S |
| E | EGDEGW008 | GDEGW00802 | WG | S |
| E | EGDEGW008 | GDEGW00803 | WG | S |
| E | EGDEGW008 | GDEGW00804 | WG | S |
| E | EGDEGW009 | GDEGW00901b | WG | S |
| E | EGDEGW009 | GDEGW00902b | WG | S |
| E | EGDEGW009 | GDEGW00903 | WG | S |
| E | EGDEGW009 | GDEGW00904 | WG | S |
| E | EGDEGW010 | GDEGW01001 | WG | S |
| E | EGDEGW010 | GDEGW01002 | WG | S |
| E | EGDEGW010 | GDEGW01003 | WG | S |
| E | EGDEGW010 | GDEGW01004 | WG | S |
| E | EGDEGW011 | GDEGW01101 | WG | S |
| E | EGDEGW011 | GDEGW01102 | WG | S |
| E | EGDEGW011 | GDEGW01103 | WG | S |
| E | EGDEGW011 | GDEGW01104 | WG | S |
| E | EGDEGW012 | GDEGW01201 | WG | S |
| E | EGDEGW012 | GDEGW01202 | WG | S |
| E | EGDEGW012 | GDEGW01203 | WG | S |
| E | EGDEGW012 | GDEGW01204 | WG | S |
| E | EGDEGW013 | GDEGW01301 | WG | S |
| E | EGDEGW013 | GDEGW01302 | WG | S |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| E | EGDEGW013 | GDEGW01303 | WG | S |
| E | EGDEGW013 | GDEGW01304 | WG | S |
| E | EGDEGW014 | GDEGW01401 | WG | S |
| E | EGDEGW014 | GDEGW01402 | WG | S |
| E | EGDEGW014 | GDEGW01403 | WG | S |
| E | EGDEGW014 | GDEGW01404 | WG | S |
| E | EGDEGW015 | GDEGW01501 | WG | S |
| E | EGDEGW015 | GDEGW01502 | WG | S |
| E | EGDEGW015 | GDEGW01503 | WG | S |
| E | EGDEGW015 | GDEGW01504 | WG | S |
| E | EGDEGW016 | GDEGW01601 | WG | S |
| E | EGDEGW016 | GDEGW01602 | WG | S |
| E | EGDEGW016 | GDEGW01603 | WG | S |
| E | EGDEGW016 | GDEGW01604 | WG | S |
| E | EGDEGW017 | GDEGW01701 | WG | S |
| E | EGDEGW017 | GDEGW01702 | WG | S |
| E | EGDEGW017 | GDEGW01703 | WG | S |
| E | EGDEGW017 | GDEGW01704 | WG | S |
| E | EGDEGW018 | GDEGW01801 | WG | S |
| E | EGDEGW018 | GDEGW01802 | WG | S |
| E | EGDEGW018 | GDEGW01803 | WG | S |
| E | EGDEGW018 | GDEGW01804 | WG | S |
| E | EGDEGW019 | GDEGW01901 | WG | S |
| E | EGDEGW019 | GDEGW01902 | WG | S |
| E | EGDEGW019 | GDEGW01903 | WG | S |
| E | EGDEGW019 | GDEGW01904 | WG | S |
| E | EGDEGW01D | GDEGW01D01 | WG | D |
| E | EGDEGW01D | GDEGW01D02 | WG | D |
| E | EGDEGW01D | GDEGW01D03 | WG | D |
| E | EGDEGW01D | GDEGW01D04 | WG | D |
| E | EGDEGW020 | GDEGW02001 | WG | S |
| E | EGDEGW020 | GDEGW02002 | WG | S |
| E | EGDEGW020 | GDEGW02003 | WG | S |
| E | EGDEGW020 | GDEGW02004 | WG | S |
| E | EGDEGW021 | GDEGW02101 | WG | S |
| E | EGDEGW021 | GDEGW02102 | WG | S |
| E | EGDEGW021 | GDEGW02103 | WG | S |
| E | EGDEGW021 | GDEGW02104 | WG | S |
| E | EGDEGW022 | GDEGW02201 | WG | S |
| E | EGDEGW022 | GDEGW02202 | WG | S |
| E | EGDEGW022 | GDEGW02203 | WG | S |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| E | EGDEGW022 | GDEGW02204 | WG | S |
| E | EGDEGW023 | GDEGW02301 | WG | S |
| E | EGDEGW023 | GDEGW02302 | WG | S |
| E | EGDEGW023 | GDEGW02303 | WG | S |
| E | EGDEGW023 | GDEGW02304 | WG | S |
| E | EGDEGW024 | GDEGW02401 | WG | S |
| E | EGDEGW024 | GDEGW02402 | WG | S |
| E | EGDEGW024 | GDEGW02403 | WG | S |
| E | EGDEGW024 | GDEGW02404 | WG | S |
| E | EGDEGW025 | GDEGW02501 | WG | S |
| E | EGDEGW025 | GDEGW02502 | WG | S |
| E | EGDEGW025 | GDEGW02503 | WG | S |
| E | EGDEGW025 | GDEGW02504 | WG | S |
| E | EGDEGW026 | GDEGW02601 | WG | S |
| E | EGDEGW026 | GDEGW02604 | WG | S |
| E | EGDEGW026 | GDEGW026A2 | WG | S |
| E | EGDEGW026 | GDEGW026A3 | WG | S |
| E | EGDEGW027 | GDEGW02701 | WG | S |
| E | EGDEGW027 | GDEGW02704 | WG | S |
| E | EGDEGW027 | GDEGW027A2 | WG | S |
| E | EGDEGW027 | GDEGW027A3 | WG | S |
| E | EGDEGW028 | GDEGW02801 | WG | S |
| E | EGDEGW028 | GDEGW02804 | WG | S |
| E | EGDEGW028 | GDEGW028A2 | WG | S |
| E | EGDEGW028 | GDEGW028A3 | WG | S |
| E | EGDEGW029 | GDEGW02901 | WG | S |
| E | EGDEGW029 | GDEGW02904 | WG | S |
| E | EGDEGW029 | GDEGW029A2 | WG | S |
| E | EGDEGW029 | GDEGW029A3 | WG | S |
| E | EGDEGW02D | GDEGW02D01 | WG | D |
| E | EGDEGW02D | GDEGW02D02 | WG | D |
| E | EGDEGW02D | GDEGW02D03 | WG | D |
| E | EGDEGW02D | GDEGW02D04 | WG | D |
| E | EGDEGW030 | GDEGW03001 | WG | S |
| E | EGDEGW030 | GDEGW03004 | WG | S |
| E | EGDEGW030 | GDEGW030A2 | WG | S |
| E | EGDEGW030 | GDEGW030A3 | WG | S |
| E | EGDEGW03D | GDEGW03D01 | WG | D |
| E | EGDEGW03D | GDEGW03D02 | WG | D |
| E | EGDEGW03D | GDEGW03D03 | WG | D |
| E | EGDEGW03D | GDEGW03D04 | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| E | EGDEGW04D | GDEGW04D01 | WG | D |
| E | EGDEGW04D | GDEGW04D02 | WG | D |
| E | EGDEGW04D | GDEGW04D03 | WG | D |
| E | EGDEGW04D | GDEGW04D04 | WG | D |
| E | EGDEGW05D | GDEGW05D01 | WG | D |
| E | EGDEGW05D | GDEGW05D02 | WG | D |
| E | EGDEGW05D | GDEGW05D03 | WG | D |
| E | EGDEGW05D | GDEGW05D04 | WG | D |
| E | EGDEGW06D | GDEGW06D01 | WG | D |
| E | EGDEGW06D | GDEGW06D02 | WG | D |
| E | EGDEGW06D | GDEGW06D03 | WG | D |
| E | EGDEGW06D | GDEGW06D04 | WG | D |
| E | EGDEGW07D | GDEGW07D01 | WG | D |
| E | EGDEGW07D | GDEGW07D02 | WG | D |
| E | EGDEGW07D | GDEGW07D03 | WG | D |
| E | EGDEGW07D | GDEGW07D04 | WG | D |
| E | EGDEGW08D | GDEGW08D01 | WG | D |
| E | EGDEGW08D | GDEGW08D02 | WG | D |
| E | EGDEGW08D | GDEGW08D03 | WG | D |
| E | EGDEGW08D | GDEGW08D04 | WG | D |
| E | EGDEGW09D | GDEGW09D01a | WG | D |
| E | EGDEGW09D | GDEGW09D02a | WG | D |
| E | EGDEGW09D | GDEGW09D03 | WG | D |
| E | EGDEGW09D | GDEGW09D04 | WG | D |
| E | EGDEGW09D | GDEGW09DF5 | WG | D |
| E | EGDEGW09D | GDEGW09DU5 | WG | D |
| E | EGDEGW10D | GDEGW10D01 | WG | D |
| E | EGDEGW10D | GDEGW10D02 | WG | D |
| E | EGDEGW10D | GDEGW10D03 | WG | D |
| E | EGDEGW10D | GDEGW10D04 | WG | D |
| E | EGDEGW11D | GDEGW11D01 | WG | D |
| E | EGDEGW11D | GDEGW11D02 | WG | D |
| E | EGDEGW11D | GDEGW11D03 | WG | D |
| E | EGDEGW11D | GDEGW11D04 | WG | D |
| E | EGDEGW12D | GDEGW12D01 | WG | D |
| E | EGDEGW12D | GDEGW12D02 | WG | D |
| E | EGDEGW12D | GDEGW12D03 | WG | D |
| E | EGDEGW12D | GDEGW12D04 | WG | D |
| E | EGDEGW13D | GDEGW13D01 | WG | D |
| E | EGDEGW13D | GDEGW13D02 | WG | D |
| E | EGDEGW13D | GDEGW13D03 | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| E | EGDEGW13D | GDEGW13D04 | WG | D |
| E | EGDEGW14D | GDEGW14D01 | WG | D |
| E | EGDEGW14D | GDEGW14D02 | WG | D |
| E | EGDEGW14D | GDEGW14D03 | WG | D |
| E | EGDEGW14D | GDEGW14D04 | WG | D |
| E | EGDEGW15D | GDEGW15D01 | WG | D |
| E | EGDEGW15D | GDEGW15D02 | WG | D |
| E | EGDEGW15D | GDEGW15D03 | WG | D |
| E | EGDEGW15D | GDEGW15D04 | WG | D |
| E | EGDEGW16D | GDEGW16D01 | WG | D |
| E | EGDEGW16D | GDEGW16D02 | WG | D |
| E | EGDEGW16D | GDEGW16D03 | WG | D |
| E | EGDEGW16D | GDEGW16D04 | WG | D |
| E | EGDEGW17D | GDEGW17D01 | WG | D |
| E | EGDEGW17D | GDEGW17D02 | WG | D |
| E | EGDEGW17D | GDEGW17D03 | WG | D |
| E | EGDEGW17D | GDEGW17D04 | WG | D |
| E | EGDEGW18D | GDEGW18D01 | WG | D |
| E | EGDEGW18D | GDEGW18D02 | WG | D |
| E | EGDEGW18D | GDEGW18D03 | WG | D |
| E | EGDEGW18D | GDEGW18D04 | WG | D |
| E | EGDEGW19D | GDEGW19D01 | WG | D |
| E | EGDEGW19D | GDEGW19D02 | WG | D |
| E | EGDEGW19D | GDEGW19D03 | WG | D |
| E | EGDEGW19D | GDEGW19D04 | WG | D |
| E | EGDEGW20D | GDEGW20D01 | WG | D |
| E | EGDEGW20D | GDEGW20D02 | WG | D |
| E | EGDEGW20D | GDEGW20D03 | WG | D |
| E | EGDEGW20D | GDEGW20D04 | WG | D |
| E | EGDEGW21D | GDEGW21D01 | WG | D |
| E | EGDEGW21D | GDEGW21D02 | WG | D |
| E | EGDEGW21D | GDEGW21D03 | WG | D |
| E | EGDEGW21D | GDEGW21D04 | WG | D |
| E | EGDEGW22D | GDEGW22D01 | WG | D |
| E | EGDEGW22D | GDEGW22D02 | WG | D |
| E | EGDEGW22D | GDEGW22D03 | WG | D |
| E | EGDEGW22D | GDEGW22D04 | WG | D |
| E | EGDEGW23D | GDEGW23D01 | WG | D |
| E | EGDEGW23D | GDEGW23D02 | WG | D |
| E | EGDEGW23D | GDEGW23D03 | WG | D |
| E | EGDEGW23D | GDEGW23D04 | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| E | EGDEGW24D | GDEGW24D01 | WG | D |
| E | EGDEGW24D | GDEGW24D02 | WG | D |
| E | EGDEGW24D | GDEGW24D03 | WG | D |
| E | EGDEGW24D | GDEGW24D04 | WG | D |
| E | EGDEGW25D | GDEGW25D01 | WG | D |
| E | EGDEGW25D | GDEGW25D02 | WG | D |
| E | EGDEGW25D | GDEGW25D03 | WG | D |
| E | EGDEGW25D | GDEGW25D04 | WG | D |
| E | EGDEGW26D | GDEGW26D01 | WG | D |
| E | EGDEGW26D | GDEGW26D04 | WG | D |
| E | EGDEGW26D | GDEGW26DA2 | WG | D |
| E | EGDEGW26D | GDEGW26DA3 | WG | D |
| E | EGDEGW27D | GDEGW27D01 | WG | D |
| E | EGDEGW27D | GDEGW27D04 | WG | D |
| E | EGDEGW27D | GDEGW27DA2 | WG | D |
| E | EGDEGW27D | GDEGW27DA3 | WG | D |
| E | EGDEGW28D | GDEGW28D01 | WG | D |
| E | EGDEGW28D | GDEGW28D04 | WG | D |
| E | EGDEGW28D | GDEGW28DA2 | WG | D |
| E | EGDEGW28D | GDEGW28DA3 | WG | D |
| E | EGDEGW29D | GDEGW29D01 | WG | D |
| E | EGDEGW29D | GDEGW29D04 | WG | D |
| E | EGDEGW29D | GDEGW29DA2 | WG | D |
| E | EGDEGW29D | GDEGW29DA3 | WG | D |
| E | EGDEGW2D1 | GDEGW2D1A2 | WG | S |
| E | EGDEGW2DI | GDEGW2DI04 | WG | S |
| E | EGDEGW2DI | GDEGW2DIA3 | WG | S |
| E | EGDEGW30D | GDEGW30D01 | WG | D |
| E | EGDEGW30D | GDEGW30D04 | WG | D |
| E | EGDEGW30D | GDEGW30DA2 | WG | D |
| E | EGDEGW30D | GDEGW30DA3 | WG | D |
| F | FGDEGW009 | GDEGW00901a | WG | S |
| F | FGDEGW009 | GDEGW00902a | WG | S |
| F | FGDEGW09D | GDEGW09D01b | WG | D |
| F | FGDEGW09D | GDEGW09D02b | WG | D |
| F | FGDFGW001 | GDFGW00101 | WG | S |
| F | FGDFGW001 | GDFGW00102 | WG | S |
| F | FGDFGW001 | GDFGW00103 | WG | S |
| F | FGDFGW001 | GDFGW00104 | WG | S |
| F | FGDFGW01D | GDFGW01D01 | WG | D |
| F | FGDFGW01D | GDFGW01D02 | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| F | FGDFGW01D | GDFGW01D03 | WG | D |
| F | FGDFGW01D | GDFGW01D04 | WG | D |
| G | GGDGGW001 | GDGGW00101 | WG | S |
| G | GGDGGW001 | GDGGW00102 | WG | S |
| G | GGDGGW001 | GDGGW00103 | WG | S |
| G | GGDGGW001 | GDGGW00104 | WG | S |
| G | GGDGGW001 | GDGGW001A1 | WG | S |
| G | GGDGGW002 | GDGGW00201 | WG | S |
| G | GGDGGW002 | GDGGW00202 | WG | S |
| G | GGDGGW002 | GDGGW00203 | WG | S |
| G | GGDGGW002 | GDGGW00204 | WG | S |
| G | GGDGGW01D | GDGGW01D01 | WG | D |
| G | GGDGGW01D | GDGGW01D02 | WG | D |
| G | GGDGGW01D | GDGGW01D03 | WG | D |
| G | GGDGGW01D | GDGGW01D04 | WG | D |
| G | GGDGGW02D | GDGGW02D01 | WG | D |
| G | GGDGGW02D | GDGGW02D02 | WG | D |
| G | GGDGGW02D | GDGGW02D03 | WG | D |
| G | GGDGGW02D | GDGGW02D04 | WG | D |
| H | HGDHGW001 | GDHGW00101 | WG | S |
| H | HGDHGW001 | GDHGW00102 | WG | S |
| H | HGDHGW001 | GDHGW00103 | WG | S |
| H | HGDHGW001 | GDHGW00104 | WG | S |
| H | HGDHGW002 | GDHGW00201 | WG | S |
| H | HGDHGW002 | GDHGW00202 | WG | S |
| H | HGDHGW002 | GDHGW00203 | WG | S |
| H | HGDHGW002 | GDHGW00204 | WG | S |
| H | HGDHGW003 | GDHGW00301 | WG | S |
| H | HGDHGW003 | GDHGW00302 | WG | S |
| H | HGDHGW003 | GDHGW00303 | WG | S |
| H | HGDHGW003 | GDHGW00304 | WG | S |
| H | HGDHGW003 | GDHGW00305 | WG | S |
| H | HGDHGW003 | GDHGW00306 | WG | S |
| H | HGDHGW003 | GDHGW003C1 | WG | S |
| H | HGDHGW003 | GDHGW003F7 | WG | S |
| H | HGDHGW003 | GDHGW003U7 | WG | S |
| H | HGDHGW004 | GDHGW00401 | WG | S |
| H | HGDHGW004 | GDHGW00402 | WG | S |
| H | HGDHGW004 | GDHGW00403 | WG | S |
| H | HGDHGW004 | GDHGW00404 | WG | S |
| H | HGDHGW005 | GDHGW00501 | WG | S |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| H | HGDHGW005 | GDHGW00502 | WG | S |
| H | HGDHGW005 | GDHGW00503 | WG | S |
| H | HGDHGW005 | GDHGW00504 | WG | S |
| H | HGDHGW006 | GDHGW00601 | WG | S |
| H | HGDHGW006 | GDHGW00602 | WG | S |
| H | HGDHGW006 | GDHGW00603 | WG | S |
| H | HGDHGW006 | GDHGW00604 | WG | S |
| H | HGDHGW006 | GDHGW00605 | WG | S |
| H | HGDHGW006 | GDHGW00606 | WG | S |
| H | HGDHGW006 | GDHGW006F7 | WG | S |
| H | HGDHGW006 | GDHGW006U7 | WG | S |
| H | HGDHGW007 | GDHGW00701 | WG | S |
| H | HGDHGW007 | GDHGW00702 | WG | S |
| H | HGDHGW007 | GDHGW00703 | WG | S |
| H | HGDHGW007 | GDHGW00704 | WG | S |
| H | HGDHGW008 | GDHGW00801 | WG | S |
| H | HGDHGW008 | GDHGW00802 | WG | S |
| H | HGDHGW008 | GDHGW00803 | WG | S |
| H | HGDHGW008 | GDHGW00804 | WG | S |
| H | HGDHGW009 | GDHGW00901 | WG | S |
| H | HGDHGW009 | GDHGW00902 | WG | S |
| H | HGDHGW009 | GDHGW00903 | WG | S |
| H | HGDHGW009 | GDHGW00904 | WG | S |
| H | HGDHGW010 | GDHGW01001 | WG | S |
| H | HGDHGW010 | GDHGW01002 | WG | S |
| H | HGDHGW010 | GDHGW01003 | WG | S |
| H | HGDHGW010 | GDHGW01004 | WG | S |
| H | HGDHGW011 | GDHGW01101 | WG | S |
| H | HGDHGW011 | GDHGW01102 | WG | S |
| H | HGDHGW011 | GDHGW01103 | WG | S |
| H | HGDHGW011 | GDHGW01104 | WG | S |
| H | HGDHGW01D | GDHGW01D01 | WG | D |
| H | HGDHGW01D | GDHGW01D02 | WG | D |
| H | HGDHGW01D | GDHGW01D03 | WG | D |
| H | HGDHGW01D | GDHGW01D04 | WG | D |
| H | HGDHGW02D | GDHGW02D01 | WG | D |
| H | HGDHGW02D | GDHGW02D02 | WG | D |
| H | HGDHGW02D | GDHGW02D03 | WG | D |
| H | HGDHGW02D | GDHGW02D04 | WG | D |
| H | HGDHGW03D | GDHGW03D01 | WG | D |
| H | HGDHGW03D | GDHGW03D02 | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| H | HGDHGW03D | GDHGW03D03 | WG | D |
| H | HGDHGW03D | GDHGW03D04 | WG | D |
| H | HGDHGW03D | GDHGW03D05 | WG | D |
| H | HGDHGW03D | GDHGW03D06 | WG | D |
| H | HGDHGW03D | GDHGW03DF7 | WG | D |
| H | HGDHGW03D | GDHGW03DU7 | WG | D |
| H | HGDHGW04D | GDHGW04D01 | WG | D |
| H | HGDHGW04D | GDHGW04D02b | WG | D |
| H | HGDHGW04D | GDHGW04D03 | WG | D |
| H | HGDHGW04D | GDHGW04D04 | WG | D |
| H | HGDHGW05D | GDHGW05D01 | WG | D |
| H | HGDHGW05D | GDHGW05D02 | WG | D |
| H | HGDHGW05D | GDHGW05D03 | WG | D |
| H | HGDHGW05D | GDHGW05DO4 | WG | D |
| H | HGDHGW06D | GDHGW06D01 | WG | D |
| H | HGDHGW06D | GDHGW06D02 | WG | D |
| H | HGDHGW06D | GDHGW06D03 | WG | D |
| H | HGDHGW06D | GDHGW06D04 | WG | D |
| H | HGDHGW06D | GDHGW06D05 | WG | D |
| H | HGDHGW06D | GDHGW06D06 | WG | D |
| H | HGDHGW06D | GDHGW06DF7 | WG | D |
| H | HGDHGW06D | GDHGW06DU7 | WG | D |
| H | HGDHGW07D | GDHGW07D01 | WG | D |
| H | HGDHGW07D | GDHGW07D02 | WG | D |
| H | HGDHGW07D | GDHGW07D03 | WG | D |
| H | HGDHGW07D | GDHGW07D04 | WG | D |
| H | HGDHGW08D | GDHGW08D01 | WG | D |
| H | HGDHGW08D | GDHGW08D02 | WG | D |
| H | HGDHGW08D | GDHGW08D03 | WG | D |
| H | HGDHGW08D | GDHGW08D04 | WG | D |
| H | HGDHGW09D | GDHGW09D01 | WG | D |
| H | HGDHGW09D | GDHGW09D02 | WG | D |
| H | HGDHGW09D | GDHGW09D03 | WG | D |
| H | HGDHGW09D | GDHGW09D04 | WG | D |
| H | HGDHGW10D | GDHGW10D01 | WG | D |
| H | HGDHGW10D | GDHGW10D02 | WG | D |
| H | HGDHGW10D | GDHGW10D03 | WG | D |
| H | HGDHGW10D | GDHGW10D04 | WG | D |
| H | HGDHGW11D | GDHGW11D01 | WG | D |
| H | HGDHGW11D | GDHGW11D02 | WG | D |
| H | HGDHGW11D | GDHGW11D03 | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| H | HGDHGW11D | GDHGW11D04 | WG | D |
| I | IGDIGW001 | GDIGW00101a | WG | S |
| I | IGDIGW001 | GDIGW00102 | WG | S |
| I | IGDIGW001 | GDIGW00103 | WG | S |
| I | IGDIGW001 | GDIGW00104 | WG | S |
| I | IGDIGW002 | GDIGW00201b | WG | S |
| I | IGDIGW002 | GDIGW00202 | WG | S |
| I | IGDIGW002 | GDIGW00203 | WG | S |
| I | IGDIGW002 | GDIGW00204 | WG | S |
| I | IGDIGW003 | GDIGW00301a | WG | S |
| I | IGDIGW003 | GDIGW00302 | WG | S |
| I | IGDIGW003 | GDIGW00303 | WG | S |
| I | IGDIGW003 | GDIGW00304 | WG | S |
| I | IGDIGW003 | GDIGW00305 | WG | S |
| I | IGDIGW004 | GDIGW00401a | WG | S |
| I | IGDIGW004 | GDIGW00402 | WG | S |
| I | IGDIGW004 | GDIGW00403 | WG | S |
| I | IGDIGW004 | GDIGW00404 | WG | S |
| I | IGDIGW005 | GDIGW00501 | WG | S |
| I | IGDIGW005 | GDIGW00502 | WG | S |
| I | IGDIGW005 | GDIGW00503 | WG | S |
| I | IGDIGW005 | GDIGW00504 | WG | S |
| I | IGDIGW006 | GDIGW00601 | WG | S |
| I | IGDIGW006 | GDIGW00602 | WG | S |
| I | IGDIGW006 | GDIGW00603 | WG | S |
| I | IGDIGW006 | GDIGW00604 | WG | S |
| I | IGDIGW007 | GDIGW00701 | WG | S |
| I | IGDIGW007 | GDIGW00702 | WG | S |
| I | IGDIGW007 | GDIGW00703 | WG | S |
| I | IGDIGW007 | GDIGW00704 | WG | S |
| I | IGDIGW007 | GDIGW00705 | WG | S |
| I | IGDIGW007 | GDIGW00706 | WG | S |
| I | IGDIGW008 | GDIGW00801a | WG | S |
| I | IGDIGW008 | GDIGW00802 | WG | S |
| I | IGDIGW008 | GDIGW00803 | WG | S |
| I | IGDIGW008 | GDIGW00804 | WG | S |
| I | IGDIGW008 | GDIGW00805 | WG | S |
| I | IGDIGW008 | GDIGW00806 | WG | S |
| I | IGDIGW008 | GDIGW00807 | WG | S |
| I | IGDIGW009 | GDIGW00901 | WG | S |
| I | IGDIGW009 | GDIGW00902 | WG | S |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| I | IGDIGW009 | GDIGW00903 | WG | S |
| I | IGDIGW009 | GDIGW00904 | WG | S |
| I | IGDIGW010 | GDIGW01001a | WG | S |
| I | IGDIGW010 | GDIGW01002 | WG | S |
| I | IGDIGW010 | GDIGW01003 | WG | S |
| I | IGDIGW010 | GDIGW01004 | WG | S |
| I | IGDIGW011 | GDIGW01101 | WG | S |
| I | IGDIGW011 | GDIGW01102 | WG | S |
| I | IGDIGW011 | GDIGW01103 | WG | S |
| I | IGDIGW011 | GDIGW01104 | WG | S |
| I | IGDIGW012 | GDIGW01201e | WG | S |
| I | IGDIGW012 | GDIGW01202a | WG | S |
| I | IGDIGW012 | GDIGW01203 | WG | S |
| I | IGDIGW012 | GDIGW01204 | WG | S |
| I | IGDIGW013 | GDIGW01301 | WG | S |
| I | IGDIGW013 | GDIGW01302 | WG | S |
| I | IGDIGW013 | GDIGW01303 | WG | S |
| I | IGDIGW013 | GDIGW01304 | WG | S |
| I | IGDIGW013 | GDIGW01306 | WG | S |
| I | IGDIGW014 | GDIGW01401 | WG | S |
| I | IGDIGW014 | GDIGW01402 | WG | S |
| I | IGDIGW014 | GDIGW01403 | WG | S |
| I | IGDIGW014 | GDIGW01404 | WG | S |
| I | IGDIGW015 | GDIGW01501 | WG | S |
| I | IGDIGW015 | GDIGW01502 | WG | S |
| I | IGDIGW015 | GDIGW01503 | WG | S |
| I | IGDIGW015 | GDIGW01504 | WG | S |
| I | IGDIGW016 | GDIGW01601 | WG | S |
| I | IGDIGW016 | GDIGW01602 | WG | S |
| I | IGDIGW016 | GDIGW01603 | WG | S |
| I | IGDIGW016 | GDIGW01604 | WG | S |
| I | IGDIGW017 | GDIGW01701 | WG | S |
| I | IGDIGW017 | GDIGW01702 | WG | S |
| I | IGDIGW017 | GDIGW01703 | WG | S |
| I | IGDIGW017 | GDIGW01704 | WG | S |
| I | IGDIGW018 | GDIGW01801 | WG | S |
| I | IGDIGW018 | GDIGW01802 | WG | S |
| I | IGDIGW018 | GDIGW01803 | WG | S |
| I | IGDIGW018 | GDIGW01804 | WG | S |
| I | IGDIGW019 | GDIGW01901a | WG | S |
| I | IGDIGW019 | GDIGW01902 | WG | S |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| I | IGDIGW019 | GDIGW01903 | WG | S |
| I | IGDIGW019 | GDIGW01904 | WG | S |
| I | IGDIGW01D | GDIGW01D01 | WG | D |
| I | IGDIGW01D | GDIGW01D02 | WG | D |
| I | IGDIGW01D | GDIGW01D03 | WG | D |
| I | IGDIGW01D | GDIGW01D04 | WG | D |
| I | IGDIGW02D | GDIGW02D01 | WG | D |
| I | IGDIGW02D | GDIGW02D02 | WG | D |
| I | IGDIGW02D | GDIGW02D03 | WG | D |
| I | IGDIGW02D | GDIGW02D04 | WG | D |
| I | IGDIGW03D | GDIGW03D01b | WG | D |
| I | IGDIGW03D | GDIGW03D02 | WG | D |
| I | IGDIGW03D | GDIGW03D03 | WG | D |
| I | IGDIGW03D | GDIGW03D04 | WG | D |
| I | IGDIGW03D | GDIGW03D05 | WG | D |
| I | IGDIGW04D | GDIGW04D01 | WG | D |
| I | IGDIGW04D | GDIGW04D02 | WG | D |
| I | IGDIGW04D | GDIGW04D03 | WG | D |
| I | IGDIGW04D | GDIGW04D04 | WG | D |
| I | IGDIGW05D | GDIGW05D01 | WG | D |
| I | IGDIGW05D | GDIGW05D02 | WG | D |
| I | IGDIGW05D | GDIGW05D03 | WG | D |
| I | IGDIGW05D | GDIGW05D04 | WG | D |
| I | IGDIGW06D | GDIGW06D01 | WG | D |
| I | IGDIGW06D | GDIGW06D02 | WG | D |
| I | IGDIGW06D | GDIGW06D03 | WG | D |
| I | IGDIGW06D | GDIGW06D04 | WG | D |
| I | IGDIGW07D | GDIGW07D01b | WG | D |
| I | IGDIGW07D | GDIGW07D02 | WG | D |
| I | IGDIGW07D | GDIGW07D03 | WG | D |
| I | IGDIGW07D | GDIGW07D04 | WG | D |
| I | IGDIGW07D | GDIGW07D05 | WG | D |
| I | IGDIGW07D | GDIGW07D06 | WG | D |
| I | IGDIGW08D | GDIGW08D01 | WG | D |
| I | IGDIGW08D | GDIGW08D02 | WG | D |
| I | IGDIGW08D | GDIGW08D03 | WG | D |
| I | IGDIGW08D | GDIGW08D04 | WG | D |
| I | IGDIGW08D | GDIGW08D05 | WG | D |
| I | IGDIGW08D | GDIGW08D06 | WG | D |
| I | IGDIGW08D | GDIGW08D07 | WG | D |
| I | IGDIGW09D | GDIGW09D01a | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| I | IGDIGW09D | GDIGW09D02 | WG | D |
| I | IGDIGW09D | GDIGW09D03 | WG | D |
| I | IGDIGW09D | GDIGW09D04 | WG | D |
| I | IGDIGW10D | GDIGW10D01 | WG | D |
| I | IGDIGW10D | GDIGW10D02 | WG | D |
| I | IGDIGW10D | GDIGW10D03 | WG | D |
| I | IGDIGW10D | GDIGW10D04 | WG | D |
| I | IGDIGW11D | GDIGW11D01 | WG | D |
| I | IGDIGW11D | GDIGW11D02 | WG | D |
| I | IGDIGW11D | GDIGW11D03 | WG | D |
| I | IGDIGW11D | GDIGW11D04 | WG | D |
| I | IGDIGW12D | GDIGW12D01 | WG | D |
| I | IGDIGW12D | GDIGW12D02b | WG | D |
| I | IGDIGW12D | GDIGW12D03 | WG | D |
| I | IGDIGW12D | GDIGW12D04 | WG | D |
| I | IGDIGW13D | GDIGW13D01 | WG | D |
| I | IGDIGW13D | GDIGW13D02 | WG | D |
| I | IGDIGW13D | GDIGW13D03 | WG | D |
| I | IGDIGW13D | GDIGW13D04 | WG | D |
| I | IGDIGW13D | GDIGW13D06 | WG | D |
| I | IGDIGW14D | GDIGW14D01 | WG | D |
| I | IGDIGW14D | GDIGW14D02 | WG | D |
| I | IGDIGW14D | GDIGW14D03 | WG | D |
| I | IGDIGW14D | GDIGW14D04 | WG | D |
| I | IGDIGW15D | GDIGW15D01 | WG | D |
| I | IGDIGW15D | GDIGW15D02 | WG | D |
| I | IGDIGW15D | GDIGW15D03 | WG | D |
| I | IGDIGW15D | GDIGW15D04 | WG | D |
| I | IGDIGW16D | GDIGW16D01 | WG | D |
| I | IGDIGW16D | GDIGW16D02 | WG | D |
| I | IGDIGW16D | GDIGW16D03 | WG | D |
| I | IGDIGW16D | GDIGW16D04 | WG | D |
| I | IGDIGW17D | GDIGW17D01 | WG | D |
| I | IGDIGW17D | GDIGW17D02 | WG | D |
| I | IGDIGW17D | GDIGW17D03 | WG | D |
| I | IGDIGW17D | GDIGW17D04 | WG | D |
| I | IGDIGW17D | GDIGW17DF5 | WG | D |
| I | IGDIGW17D | GDIGW17DU5 | WG | D |
| I | IGDIGW18D | GDIGW18D01a | WG | D |
| I | IGDIGW18D | GDIGW18D02 | WG | D |
| I | IGDIGW18D | GDIGW18D03 | WG | D |

**TABLE A2**
Background Groundwater (Shallow and Deep) Station and Sample Identification Numbers
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Station ID | Sample ID | Matrix | Aquifer |
|---|---|---|---|---|
| I | IGDIGW18D | GDIGW18D04 | WG | D |
| I | IGDIGW18D | GDIGW18DF5 | WG | D |
| I | IGDIGW18D | GDIGW18DU5 | WG | D |
| I | IGDIGW19D | GDIGW19D01 | WG | D |
| I | IGDIGW19D | GDIGW19D02 | WG | D |
| I | IGDIGW19D | GDIGW19D03 | WG | D |
| I | IGDIGW19D | GDIGW19D04 | WG | D |
| K-Annex | KGDKGW001 | GDKGW00102 | WG | S |
| K-Annex | KGDKGW001 | GDKGW00103a | WG | S |
| K-Annex | KGDKGW001 | GDKGW00104 | WG | S |
| K-Annex | KGDKGW002 | GDKGW00201 | WG | S |
| K-Annex | KGDKGW002 | GDKGW00202 | WG | S |
| K-Annex | KGDKGW002 | GDKGW00203b | WG | S |
| K-Annex | KGDKGW002 | GDKGW00204 | WG | S |
| K-Annex | KGDKGW002 | GDKGW00205 | WG | S |
| K-Clouter | KGDKGWCL1 | GDKGWCL101 | WG | S |
| K-Clouter | KGDKGWCL1 | GDKGWCL102b | WG | S |
| K-Clouter | KGDKGWCL1 | GDKGWCL103 | WG | S |
| K-Clouter | KGDKGWCL1 | GDKGWCL104 | WG | S |
| K-Clouter | KGDKGWCL1 | GDKGWCL1F5 | WG | S |
| K-Clouter | KGDKGWCL1 | GDKGWCL1U5 | WG | S |

S Shallow
D Deep

# Appendix B1

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB01101 | mg/kg | Aluminum | 11,800 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Aluminum | 10,900 | = | Yes |
| GDA | SS | GDASB01001 | mg/kg | Aluminum | 9,020 | = | Yes |
| GDA | SS | GDASB01401 | mg/kg | Aluminum | 8,180 | = | Yes |
| GDA | SS | GDASB01301 | mg/kg | Aluminum | 7,710 | = | Yes |
| GDA | SS | GDASB00301a | mg/kg | Aluminum | 7,470 | = | Yes |
| GDA | SS | GDASB01201 | mg/kg | Aluminum | 7,320 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Aluminum | 7,270 | = | Yes |
| GDA | SS | GDASB00801 | mg/kg | Aluminum | 6,850 | = | Yes |
| GDA | SS | GDASB00101 | mg/kg | Aluminum | 6,010 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Aluminum | 5,650 | = | Yes |
| GDA | SS | GDASB00701 | mg/kg | Aluminum | 5,260 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Aluminum | 3,640 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Antimony | 13.6 | U | No |
| GDA | SS | GDASB00201 | mg/kg | Antimony | 13.1 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Antimony | 12.3 | U | No |
| GDA | SS | GDASB01201 | mg/kg | Antimony | 12.1 | U | No |
| GDA | SS | GDASB00701 | mg/kg | Antimony | 12.1 | U | No |
| GDA | SS | GDASB00301a | mg/kg | Antimony | 11.9 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Antimony | 11.6 | U | No |
| GDA | SS | GDASB00801 | mg/kg | Antimony | 11.6 | U | No |
| GDA | SS | GDASB00101 | mg/kg | Antimony | 11.6 | U | No |
| GDA | SS | GDASB00901 | mg/kg | Antimony | 11.3 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Antimony | 11.3 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Antimony | 11.3 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Antimony | 11.1 | U | No |
| GDA | SS | GDASB00601 | mg/kg | Arsenic | 30.1 | = | Yes |
| GDA | SS | GDASB0A601 | mg/kg | Arsenic | 15.3 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Arsenic | 8.2 | = | Yes |
| GDA | SS | GDASB0B601 | mg/kg | Arsenic | 7.2 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00101 | mg/kg | Arsenic | 6.6 | = | Yes |
| GDA | SS | GDASB0C601 | mg/kg | Arsenic | 6.4 | J | Yes |
| GDA | SS | GDASB00501 | mg/kg | Arsenic | 5.2 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Arsenic | 4.5 | = | Yes |
| GDA | SS | GDASB01201 | mg/kg | Arsenic | 4 | = | Yes |
| GDA | SS | GDASB00301a | mg/kg | Arsenic | 4 | = | Yes |
| GDA | SS | GDASB00801 | mg/kg | Arsenic | 3.9 | = | Yes |
| GDA | SS | GDASB01101 | mg/kg | Arsenic | 3.8 | = | Yes |
| GDA | SS | GDASB01301 | mg/kg | Arsenic | 3.8 | = | Yes |
| GDA | SS | GDASB01001 | mg/kg | Arsenic | 3.6 | = | Yes |
| GDA | SS | GDASB01401 | mg/kg | Arsenic | 3.2 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Arsenic | 1.7 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Barium | 46.5 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Barium | 34.2 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Barium | 25.3 | J | Yes |
| GDA | SS | GDASB00501 | mg/kg | Barium | 24 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Barium | 22.9 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Barium | 22.4 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Barium | 21.6 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Barium | 21.4 | J | Yes |
| GDA | SS | GDASB00101 | mg/kg | Barium | 19.3 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Barium | 18.9 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Barium | 18.5 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Barium | 15.6 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Barium | 6.5 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Beryllium | 0.32 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Beryllium | 0.26 | U | No |
| GDA | SS | GDASB00701 | mg/kg | Beryllium | 0.24 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Beryllium | 0.24 | U | No |
| GDA | SS | GDASB01201 | mg/kg | Beryllium | 0.24 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00301a | mg/kg | Beryllium | 0.23 | U | No |
| GDA | SS | GDASB00801 | mg/kg | Beryllium | 0.23 | U | No |
| GDA | SS | GDASB00101 | mg/kg | Beryllium | 0.23 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Beryllium | 0.23 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Beryllium | 0.22 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Beryllium | 0.22 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Beryllium | 0.22 | U | No |
| GDA | SS | GDASB00901 | mg/kg | Beryllium | 0.22 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Cadmium | 2.8 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Cadmium | 1.3 | U | No |
| GDA | SS | GDASB00601 | mg/kg | Cadmium | 1.3 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SS | GDASB00301a | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SS | GDASB01201 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SS | GDASB00701 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SS | GDASB00801 | mg/kg | Cadmium | 1.1 | U | No |
| GDA | SS | GDASB00901 | mg/kg | Cadmium | 1.1 | U | No |
| GDA | SS | GDASB00101 | mg/kg | Cadmium | 1.1 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Cadmium | 1.1 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Cadmium | 1.1 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Cadmium | 1.1 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Calcium | 78,900 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Calcium | 49,300 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Calcium | 44,400 | = | Yes |
| GDA | SS | GDASB00701 | mg/kg | Calcium | 22,400 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Calcium | 9,450 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Calcium | 5,160 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Calcium | 5,120 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Calcium | 4,410 | = | Yes |
| GDA | SS | GDASB01301 | mg/kg | Calcium | 4,260 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00101 | mg/kg | Calcium | 3,360 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Calcium | 1,390 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Calcium | 804 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Calcium | 797 | J | Yes |
| GDA | SS | GDASB00501 | mg/kg | Chromium, Total | 34.4 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Chromium, Total | 25.9 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Chromium, Total | 20.6 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Chromium, Total | 20 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Chromium, Total | 18.5 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Chromium, Total | 14.8 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Chromium, Total | 13.2 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Chromium, Total | 12.9 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Chromium, Total | 11.8 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Chromium, Total | 11.5 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Chromium, Total | 10 | = | Yes |
| GDA | SS | GDASB00101 | mg/kg | Chromium, Total | 8 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Chromium, Total | 5.7 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Cobalt | 4.4 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Cobalt | 1.7 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Cobalt | 1.5 | U | No |
| GDA | SS | GDASB00101 | mg/kg | Cobalt | 1.4 | U | No |
| GDA | SS | GDASB00801 | mg/kg | Cobalt | 1.4 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Cobalt | 1.4 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Cobalt | 1.4 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Cobalt | 1.3 | U | No |
| GDA | SS | GDASB00901 | mg/kg | Cobalt | 1.3 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Cobalt | 1.3 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00601 | mg/kg | Copper | 70.9 | = | Yes |
| GDA | SS | GDASB00701 | mg/kg | Copper | 39.3 | = | Yes |
| GDA | SS | GDASB00801 | mg/kg | Copper | 30 | = | Yes |
| GDA | SS | GDASB00301a | mg/kg | Copper | 24.8 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Copper | 17.4 | = | Yes |
| GDA | SS | GDASB01101 | mg/kg | Copper | 15.9 | = | Yes |
| GDA | SS | GDASB01201 | mg/kg | Copper | 9.3 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Copper | 7.6 | = | Yes |
| GDA | SS | GDASB01401 | mg/kg | Copper | 7 | = | Yes |
| GDA | SS | GDASB00101 | mg/kg | Copper | 6.2 | = | Yes |
| GDA | SS | GDASB01301 | mg/kg | Copper | 5 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Copper | 4 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Copper | 2.2 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Iron | 15,700 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Iron | 13,700 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Iron | 8,740 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Iron | 7,570 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Iron | 7,090 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Iron | 7,040 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Iron | 6,650 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Iron | 6,420 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Iron | 6,320 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Iron | 5,860 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Iron | 5,810 | J | Yes |
| GDA | SS | GDASB00101 | mg/kg | Iron | 4,560 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Iron | 1,530 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Lead | 93.1 | = | Yes |
| GDA | SS | GDASB00701 | mg/kg | Lead | 72.3 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Lead | 67.4 | = | Yes |
| GDA | SS | GDASB00301a | mg/kg | Lead | 57.9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00801 | mg/kg | Lead | 51.2 | = | Yes |
| GDA | SS | GDASB01301 | mg/kg | Lead | 31.4 | = | Yes |
| GDA | SS | GDASB00101 | mg/kg | Lead | 19.2 | = | Yes |
| GDA | SS | GDASB01201 | mg/kg | Lead | 19.2 | = | Yes |
| GDA | SS | GDASB01401 | mg/kg | Lead | 15.7 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Lead | 14.5 | = | Yes |
| GDA | SS | GDASB01001 | mg/kg | Lead | 14.1 | = | Yes |
| GDA | SS | GDASB01101 | mg/kg | Lead | 11.4 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Lead | 4.1 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Magnesium | 3,150 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Magnesium | 2,040 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Magnesium | 955 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Magnesium | 806 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Magnesium | 774 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Magnesium | 628 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Magnesium | 443 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Magnesium | 442 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Magnesium | 421 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Magnesium | 288 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Magnesium | 279 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Magnesium | 231 | J | Yes |
| GDA | SS | GDASB00101 | mg/kg | Magnesium | 231 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Manganese | 66.1 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Manganese | 62.2 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Manganese | 53.9 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Manganese | 48 | J | Yes |
| GDA | SS | GDASB00501 | mg/kg | Manganese | 44.9 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Manganese | 40.1 | J | Yes |
| GDA | SS | GDASB00101 | mg/kg | Manganese | 26.1 | = | Yes |
| GDA | SS | GDASB01101 | mg/kg | Manganese | 25.5 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB01301 | mg/kg | Manganese | 25.4 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Manganese | 24.5 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Manganese | 23.7 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Manganese | 17.9 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Manganese | 8.7 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Mercury | 0.3 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Mercury | 0.23 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Mercury | 0.19 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Mercury | 0.12 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Mercury | 0.13 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Mercury | 0.12 | UJ | No |
| GDA | SS | GDASB01201 | mg/kg | Mercury | 0.12 | UJ | No |
| GDA | SS | GDASB00301a | mg/kg | Mercury | 0.12 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Mercury | 0.11 | UJ | No |
| GDA | SS | GDASB01401 | mg/kg | Mercury | 0.11 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Mercury | 0.11 | UJ | No |
| GDA | SS | GDASB01301 | mg/kg | Mercury | 0.11 | UJ | No |
| GDA | SS | GDASB00101 | mg/kg | Mercury | 0.11 | U | No |
| GDA | SS | GDASB01201 | mg/kg | Nickel | 15.4 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Nickel | 14.1 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Nickel | 13.7 | = | Yes |
| GDA | SS | GDASB00301a | mg/kg | Nickel | 9.6 | = | Yes |
| GDA | SS | GDASB00701 | mg/kg | Nickel | 7.5 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Nickel | 6.8 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Nickel | 5.9 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Nickel | 5.2 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Nickel | 5.2 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Nickel | 4.8 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Nickel | 3.2 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Nickel | 3.6 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00101 | mg/kg | Nickel | 3.2 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Potassium | 675 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Potassium | 420 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Potassium | 418 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Potassium | 323 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Potassium | 313 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Potassium | 267 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Potassium | 242 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Potassium | 241 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Potassium | 213 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Potassium | 213 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Potassium | 149 | J | Yes |
| GDA | SS | GDASB00101 | mg/kg | Potassium | 128 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Potassium | 133 | UJ | No |
| GDA | SS | GDASB01001 | mg/kg | Selenium | 0.88 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Selenium | 0.7 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Selenium | 0.79 | UJ | No |
| GDA | SS | GDASB00201 | mg/kg | Selenium | 0.78 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Selenium | 0.74 | U | No |
| GDA | SS | GDASB00701 | mg/kg | Selenium | 0.71 | UJ | No |
| GDA | SS | GDASB01201 | mg/kg | Selenium | 0.69 | U | No |
| GDA | SS | GDASB00901 | mg/kg | Selenium | 0.68 | UJ | No |
| GDA | SS | GDASB00801 | mg/kg | Selenium | 0.68 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Selenium | 0.67 | UJ | No |
| GDA | SS | GDASB00101 | mg/kg | Selenium | 0.67 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Selenium | 0.67 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Selenium | 0.66 | U | No |
| GDA | SS | GDASB00601 | mg/kg | Silver | 0.8 | U | No |
| GDA | SS | GDASB00201 | mg/kg | Silver | 0.77 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Silver | 0.72 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00701 | mg/kg | Silver | 0.71 | U | No |
| GDA | SS | GDASB01201 | mg/kg | Silver | 0.71 | U | No |
| GDA | SS | GDASB00301a | mg/kg | Silver | 0.7 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Silver | 0.68 | U | No |
| GDA | SS | GDASB00101 | mg/kg | Silver | 0.68 | U | No |
| GDA | SS | GDASB00801 | mg/kg | Silver | 0.68 | U | No |
| GDA | SS | GDASB00901 | mg/kg | Silver | 0.67 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Silver | 0.67 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Silver | 0.66 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Silver | 0.65 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Sodium | 653 | J | Yes |
| GDA | SS | GDASB01201 | mg/kg | Sodium | 411 | J | Yes |
| GDA | SS | GDASB00301a | mg/kg | Sodium | 315 | J | Yes |
| GDA | SS | GDASB01101 | mg/kg | Sodium | 313 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Sodium | 269 | J | Yes |
| GDA | SS | GDASB01001 | mg/kg | Sodium | 261 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Sodium | 255 | J | Yes |
| GDA | SS | GDASB00701 | mg/kg | Sodium | 239 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Sodium | 227 | J | Yes |
| GDA | SS | GDASB00901 | mg/kg | Sodium | 212 | J | Yes |
| GDA | SS | GDASB00801 | mg/kg | Sodium | 208 | J | Yes |
| GDA | SS | GDASB00101 | mg/kg | Sodium | 207 | J | Yes |
| GDA | SS | GDASB01401 | mg/kg | Sodium | 195 | J | Yes |
| GDA | SS | GDASB00601 | mg/kg | Thallium | 1.1 | U | No |
| GDA | SS | GDASB00201 | mg/kg | Thallium | 1 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Thallium | 0.98 | U | No |
| GDA | SS | GDASB00701 | mg/kg | Thallium | 0.95 | U | No |
| GDA | SS | GDASB00301a | mg/kg | Thallium | 0.93 | UJ | No |
| GDA | SS | GDASB01201 | mg/kg | Thallium | 0.92 | U | No |
| GDA | SS | GDASB00801 | mg/kg | Thallium | 0.91 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00901 | mg/kg | Thallium | 0.91 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Thallium | 0.9 | U | No |
| GDA | SS | GDASB00101 | mg/kg | Thallium | 0.89 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Thallium | 0.89 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Thallium | 0.88 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Thallium | 0.88 | U | No |
| GDA | SS | GDASB00601 | mg/kg | Tin | 9.9 | U | No |
| GDA | SS | GDASB00201 | mg/kg | Tin | 9.5 | U | No |
| GDA | SS | GDASB00501 | mg/kg | Tin | 8.9 | U | No |
| GDA | SS | GDASB01201 | mg/kg | Tin | 8.8 | U | No |
| GDA | SS | GDASB00701 | mg/kg | Tin | 8.8 | U | No |
| GDA | SS | GDASB00301a | mg/kg | Tin | 8.6 | U | No |
| GDA | SS | GDASB00801 | mg/kg | Tin | 8.4 | U | No |
| GDA | SS | GDASB01301 | mg/kg | Tin | 8.4 | U | No |
| GDA | SS | GDASB00101 | mg/kg | Tin | 8.4 | U | No |
| GDA | SS | GDASB01401 | mg/kg | Tin | 8.2 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Tin | 8.2 | U | No |
| GDA | SS | GDASB00901 | mg/kg | Tin | 8.2 | U | No |
| GDA | SS | GDASB01001 | mg/kg | Tin | 8 | U | No |
| GDA | SS | GDASB01101 | mg/kg | Vanadium | 28.1 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Vanadium | 22.3 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Vanadium | 19.7 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Vanadium | 18.9 | = | Yes |
| GDA | SS | GDASB01201 | mg/kg | Vanadium | 18.4 | = | Yes |
| GDA | SS | GDASB01001 | mg/kg | Vanadium | 18.2 | = | Yes |
| GDA | SS | GDASB00801 | mg/kg | Vanadium | 16.5 | = | Yes |
| GDA | SS | GDASB00701 | mg/kg | Vanadium | 14.7 | = | Yes |
| GDA | SS | GDASB01401 | mg/kg | Vanadium | 13.9 | = | Yes |
| GDA | SS | GDASB00301a | mg/kg | Vanadium | 13.5 | = | Yes |
| GDA | SS | GDASB01301 | mg/kg | Vanadium | 11.7 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SS | GDASB00101 | mg/kg | Vanadium | 10.4 | J | Yes |
| GDA | SS | GDASB00201 | mg/kg | Vanadium | 4.9 | J | Yes |
| GDA | SS | GDASB01301 | mg/kg | Zinc | 168 | = | Yes |
| GDA | SS | GDASB00301a | mg/kg | Zinc | 130 | = | Yes |
| GDA | SS | GDASB01401 | mg/kg | Zinc | 124 | = | Yes |
| GDA | SS | GDASB00801 | mg/kg | Zinc | 116 | = | Yes |
| GDA | SS | GDASB00601 | mg/kg | Zinc | 94.7 | = | Yes |
| GDA | SS | GDASB00701 | mg/kg | Zinc | 89.9 | = | Yes |
| GDA | SS | GDASB00901 | mg/kg | Zinc | 58.5 | = | Yes |
| GDA | SS | GDASB00501 | mg/kg | Zinc | 58 | = | Yes |
| GDA | SS | GDASB01201 | mg/kg | Zinc | 50.4 | = | Yes |
| GDA | SS | GDASB00101 | mg/kg | Zinc | 37.5 | = | Yes |
| GDA | SS | GDASB01101 | mg/kg | Zinc | 32.1 | = | Yes |
| GDA | SS | GDASB01001 | mg/kg | Zinc | 17.3 | = | Yes |
| GDA | SS | GDASB00201 | mg/kg | Zinc | 4.5 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Aluminum | 55,500 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Aluminum | 39,500 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Aluminum | 24,000 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Aluminum | 13,100 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Aluminum | 12,100 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Aluminum | 11,500 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Aluminum | 11,200 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Aluminum | 10,700 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Aluminum | 10,200 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Aluminum | 9,910 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Aluminum | 8,350 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Aluminum | 8,250 | = | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Aluminum | 7,550 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Aluminum | 7,250 | = | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Aluminum | 6,320 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB01501 | mg/kg | Antimony | 12.8 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Antimony | 15.7 | U | No |
| GDB | SS | GDBSB01101 | mg/kg | Antimony | 15.3 | U | No |
| GDB | SS | GDBSB00201 | mg/kg | Antimony | 13.3 | U | No |
| GDB | SS | GDBSB00301 | mg/kg | Antimony | 12.7 | U | No |
| GDB | SS | GDBSB01301 | mg/kg | Antimony | 12.1 | U | No |
| GDB | SS | GDBSB01001 | mg/kg | Antimony | 12.1 | U | No |
| GDB | SS | GDBSB00701 | mg/kg | Antimony | 12 | U | No |
| GDB | SS | GDBSB00601 | mg/kg | Antimony | 11.2 | U | No |
| GDB | SS | GDBSB00901 | mg/kg | Antimony | 11.1 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Antimony | 11.1 | U | No |
| GDB | SS | GDBSB01401 | mg/kg | Antimony | 10.9 | U | No |
| GDB | SS | GDBSB00501 | mg/kg | Antimony | 10.8 | U | No |
| GDB | SS | GDBSB00801 | mg/kg | Antimony | 10.7 | U | No |
| GDB | SS | GDBSB00401 | mg/kg | Antimony | 10.4 | U | No |
| GDB | SS | GDBSB01101 | mg/kg | Arsenic | 28.7 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Arsenic | 22.1 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Arsenic | 12.3 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Arsenic | 12.3 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Arsenic | 9 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Arsenic | 6.7 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Arsenic | 6.5 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Arsenic | 5.3 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Arsenic | 4.2 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Arsenic | 4 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Arsenic | 3.5 | = | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Arsenic | 2.1 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Arsenic | 2 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Arsenic | 1.7 | J | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Arsenic | 0.89 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00201 | mg/kg | Barium | 94.7 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Barium | 76 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Barium | 59 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Barium | 57.7 | J | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Barium | 56.7 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Barium | 56.5 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Barium | 46.7 | J | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Barium | 44.2 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Barium | 40.4 | J | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Barium | 36.2 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Barium | 34.9 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Barium | 32.2 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Barium | 29.6 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Barium | 29.4 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Barium | 14.9 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Beryllium | 1.7 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Beryllium | 1.2 | J | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Beryllium | 0.88 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Beryllium | 0.71 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Beryllium | 0.59 | J | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Beryllium | 0.57 | J | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Beryllium | 0.46 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Beryllium | 0.44 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Beryllium | 0.43 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Beryllium | 0.35 | J | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Beryllium | 0.34 | J | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Beryllium | 0.31 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Beryllium | 0.28 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Beryllium | 0.22 | U | No |
| GDB | SS | GDBSB00401 | mg/kg | Beryllium | 0.2 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB01101 | mg/kg | Cadmium | 1.5 | U | No |
| GDB | SS | GDBSB00101 | mg/kg | Cadmium | 1.5 | U | No |
| GDB | SS | GDBSB00201 | mg/kg | Cadmium | 1.3 | U | No |
| GDB | SS | GDBSB00301 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SS | GDBSB00701 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SS | GDBSB01001 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SS | GDBSB01301 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SS | GDBSB00501 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SS | GDBSB01401 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SS | GDBSB00601 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SS | GDBSB00901 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SS | GDBSB01501 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SS | GDBSB00401 | mg/kg | Cadmium | 1 | U | No |
| GDB | SS | GDBSB00801 | mg/kg | Cadmium | 1 | U | No |
| GDB | SS | GDBSB01001 | mg/kg | Calcium | 11,5000 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Calcium | 59,900 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Calcium | 31,500 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Calcium | 11,400 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Calcium | 10,400 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Calcium | 7,470 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Calcium | 5,380 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Calcium | 3,400 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Calcium | 2,020 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Calcium | 1,640 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Calcium | 1,580 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Calcium | 835 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Calcium | 792 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Calcium | 614 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Calcium | 406 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00101 | mg/kg | Chromium, Total | 74.3 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Chromium, Total | 54.8 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Chromium, Total | 38.9 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Chromium, Total | 35.7 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Chromium, Total | 29.3 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Chromium, Total | 22.1 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Chromium, Total | 20 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Chromium, Total | 14.6 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Chromium, Total | 14.1 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Chromium, Total | 14 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Chromium, Total | 11 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Chromium, Total | 10.1 | = | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Chromium, Total | 9 | = | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Chromium, Total | 6.6 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Chromium, Total | 6 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Cobalt | 11.4 | J | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Cobalt | 9.4 | J | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Cobalt | 5.4 | J | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Cobalt | 5.3 | J | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Cobalt | 3.2 | J | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Cobalt | 2.1 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Cobalt | 2.1 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Cobalt | 2 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Cobalt | 1.4 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Cobalt | 1.3 | U | No |
| GDB | SS | GDBSB00901 | mg/kg | Cobalt | 1.3 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Cobalt | 1.3 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00201 | mg/kg | Copper | 122 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Copper | 89.2 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Copper | 38.4 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Copper | 37.5 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Copper | 29.6 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Copper | 28.2 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Copper | 23.3 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Copper | 21.2 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Copper | 18.3 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Copper | 14.2 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Copper | 10.2 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Copper | 10.1 | = | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Copper | 9.4 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Copper | 5.8 | = | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Copper | 3.8 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Iron | 48,700 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Iron | 38,000 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Iron | 28,300 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Iron | 11,700 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Iron | 11,500 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Iron | 10,400 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Iron | 6,980 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Iron | 6,260 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Iron | 6,110 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Iron | 5,290 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Iron | 5,230 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Iron | 3,460 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Iron | 2,910 | = | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Iron | 2,760 | = | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Iron | 2,630 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00201 | mg/kg | Lead | 310 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Lead | 93.8 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Lead | 79.6 | J | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Lead | 76.1 | J | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Lead | 75 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Lead | 63 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Lead | 58 | J | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Lead | 50.9 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Lead | 48.3 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Lead | 47.8 | J | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Lead | 44.9 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Lead | 43.7 | J | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Lead | 25.7 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Lead | 13.5 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Lead | 12.9 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Magnesium | 6,990 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Magnesium | 4,380 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Magnesium | 3,680 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Magnesium | 3,640 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Magnesium | 2,020 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Magnesium | 1,480 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Magnesium | 1,030 | J | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Magnesium | 581 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Magnesium | 538 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Magnesium | 526 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Magnesium | 429 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Magnesium | 342 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Magnesium | 341 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Magnesium | 299 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Magnesium | 226 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00201 | mg/kg | Manganese | 454 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Manganese | 420 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Manganese | 371 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Manganese | 298 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Manganese | 287 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Manganese | 243 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Manganese | 224 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Manganese | 192 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Manganese | 178 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Manganese | 162 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Manganese | 157 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Manganese | 81.3 | = | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Manganese | 62 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Manganese | 39.3 | = | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Manganese | 27.2 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Mercury | 1.5 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Mercury | 1.3 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Mercury | 0.77 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Mercury | 0.38 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Mercury | 0.27 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Mercury | 0.25 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Mercury | 0.15 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Mercury | 0.12 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Mercury | 0.12 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SS | GDBSB01401 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SS | GDBSB00801 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SS | GDBSB00601 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SS | GDBSB00501 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SS | GDBSB00401 | mg/kg | Mercury | 0.1 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00101 | mg/kg | Nickel | 29.4 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Nickel | 19.8 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Nickel | 18.8 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Nickel | 16.4 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Nickel | 14 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Nickel | 11.1 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Nickel | 10.9 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Nickel | 10.6 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Nickel | 8 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Nickel | 7.9 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Nickel | 7.6 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Nickel | 7.2 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Nickel | 5.1 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Nickel | 4.7 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Nickel | 3.4 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Potassium | 3,570 | J | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Potassium | 2,260 | J | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Potassium | 1,540 | J | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Potassium | 1,010 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Potassium | 791 | J | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Potassium | 562 | J | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Potassium | 481 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Potassium | 430 | J | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Potassium | 350 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Potassium | 249 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Potassium | 219 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Potassium | 218 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Potassium | 145 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Potassium | 113 | UJ | No |
| GDB | SS | GDBSB00801 | mg/kg | Potassium | 109 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB01001 | mg/kg | Selenium | 2.8 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Selenium | 1.9 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Selenium | 1.7 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Selenium | 1.6 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Selenium | 0.78 | J | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Selenium | 0.9 | U | No |
| GDB | SS | GDBSB00301 | mg/kg | Selenium | 0.75 | U | No |
| GDB | SS | GDBSB00701 | mg/kg | Selenium | 0.71 | U | No |
| GDB | SS | GDBSB01301 | mg/kg | Selenium | 0.69 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Selenium | 0.66 | U | No |
| GDB | SS | GDBSB01401 | mg/kg | Selenium | 0.66 | U | No |
| GDB | SS | GDBSB00601 | mg/kg | Selenium | 0.66 | U | No |
| GDB | SS | GDBSB00901 | mg/kg | Selenium | 0.65 | U | No |
| GDB | SS | GDBSB00401 | mg/kg | Selenium | 0.62 | U | No |
| GDB | SS | GDBSB00801 | mg/kg | Selenium | 0.62 | U | No |
| GDB | SS | GDBSB01301 | mg/kg | Silver | 1.7 | J | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Silver | 1.7 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Silver | 1.6 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Silver | 1.1 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Silver | 0.81 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Silver | 0.72 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Silver | 0.93 | U | No |
| GDB | SS | GDBSB00201 | mg/kg | Silver | 0.78 | U | No |
| GDB | SS | GDBSB01001 | mg/kg | Silver | 0.71 | U | No |
| GDB | SS | GDBSB00601 | mg/kg | Silver | 0.66 | U | No |
| GDB | SS | GDBSB01501 | mg/kg | Silver | 0.66 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Silver | 0.65 | U | No |
| GDB | SS | GDBSB00801 | mg/kg | Silver | 0.63 | U | No |
| GDB | SS | GDBSB00501 | mg/kg | Silver | 0.63 | U | No |
| GDB | SS | GDBSB00401 | mg/kg | Silver | 0.61 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00101 | mg/kg | Sodium | 6,670 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Sodium | 837 | J | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Sodium | 638 | J | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Sodium | 574 | J | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Sodium | 428 | J | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Sodium | 366 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Sodium | 298 | J | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Sodium | 248 | J | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Sodium | 213 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Sodium | 201 | J | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Sodium | 199 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Sodium | 193 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Sodium | 179 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Sodium | 174 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Sodium | 165 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Thallium | 1.3 | U | No |
| GDB | SS | GDBSB01101 | mg/kg | Thallium | 1.2 | U | No |
| GDB | SS | GDBSB00201 | mg/kg | Thallium | 1.1 | U | No |
| GDB | SS | GDBSB00301 | mg/kg | Thallium | 1 | U | No |
| GDB | SS | GDBSB01001 | mg/kg | Thallium | 0.94 | U | No |
| GDB | SS | GDBSB00701 | mg/kg | Thallium | 0.94 | U | No |
| GDB | SS | GDBSB01301 | mg/kg | Thallium | 0.93 | U | No |
| GDB | SS | GDBSB01501 | mg/kg | Thallium | 0.89 | U | No |
| GDB | SS | GDBSB00601 | mg/kg | Thallium | 0.88 | U | No |
| GDB | SS | GDBSB01401 | mg/kg | Thallium | 0.88 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Thallium | 0.88 | U | No |
| GDB | SS | GDBSB00901 | mg/kg | Thallium | 0.87 | U | No |
| GDB | SS | GDBSB00501 | mg/kg | Thallium | 0.85 | U | No |
| GDB | SS | GDBSB00801 | mg/kg | Thallium | 0.83 | U | No |
| GDB | SS | GDBSB00401 | mg/kg | Thallium | 0.83 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00501 | mg/kg | Tin | 13.7 | J | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Tin | 12.5 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Tin | 10.6 | J | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Tin | 10.1 | J | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Tin | 9.4 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Tin | 8.2 | J | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Tin | 11.4 | U | No |
| GDB | SS | GDBSB00201 | mg/kg | Tin | 9.6 | U | No |
| GDB | SS | GDBSB01001 | mg/kg | Tin | 8.8 | U | No |
| GDB | SS | GDBSB00701 | mg/kg | Tin | 8.7 | U | No |
| GDB | SS | GDBSB01501 | mg/kg | Tin | 8.1 | U | No |
| GDB | SS | GDBSB01201 | mg/kg | Tin | 8.1 | U | No |
| GDB | SS | GDBSB00601 | mg/kg | Tin | 8.1 | U | No |
| GDB | SS | GDBSB00901 | mg/kg | Tin | 8.1 | U | No |
| GDB | SS | GDBSB01401 | mg/kg | Tin | 7.9 | U | No |
| GDB | SS | GDBSB00101 | mg/kg | Vanadium | 101 | = | Yes |
| GDB | SS | GDBSB00201 | mg/kg | Vanadium | 71.9 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Vanadium | 51.6 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Vanadium | 25.6 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Vanadium | 24.5 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Vanadium | 22.7 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Vanadium | 17.6 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Vanadium | 17 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Vanadium | 15.8 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Vanadium | 10.3 | J | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Vanadium | 10.1 | J | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Vanadium | 8.6 | J | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Vanadium | 6.6 | J | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Vanadium | 6.6 | J | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Vanadium | 6.5 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SS | GDBSB00201 | mg/kg | Zinc | 266 | = | Yes |
| GDB | SS | GDBSB00501 | mg/kg | Zinc | 194 | = | Yes |
| GDB | SS | GDBSB01101 | mg/kg | Zinc | 178 | = | Yes |
| GDB | SS | GDBSB01501 | mg/kg | Zinc | 166 | = | Yes |
| GDB | SS | GDBSB00101 | mg/kg | Zinc | 148 | = | Yes |
| GDB | SS | GDBSB01301 | mg/kg | Zinc | 135 | = | Yes |
| GDB | SS | GDBSB00701 | mg/kg | Zinc | 105 | = | Yes |
| GDB | SS | GDBSB00301 | mg/kg | Zinc | 88.2 | = | Yes |
| GDB | SS | GDBSB00601 | mg/kg | Zinc | 86.4 | = | Yes |
| GDB | SS | GDBSB00401 | mg/kg | Zinc | 64.2 | = | Yes |
| GDB | SS | GDBSB01001 | mg/kg | Zinc | 61.7 | = | Yes |
| GDB | SS | GDBSB01401 | mg/kg | Zinc | 30.5 | = | Yes |
| GDB | SS | GDBSB00901 | mg/kg | Zinc | 30.1 | = | Yes |
| GDB | SS | GDBSB00801 | mg/kg | Zinc | 19.3 | = | Yes |
| GDB | SS | GDBSB01201 | mg/kg | Zinc | 18.2 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Aluminum | 9,850 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Aluminum | 9,720 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Aluminum | 8,930 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Aluminum | 8,660 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Aluminum | 7,530 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Aluminum | 7,230 | = | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Aluminum | 6,730 | = | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Aluminum | 6,710 | = | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Aluminum | 6,160 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Aluminum | 5,990 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Aluminum | 5,960 | = | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Aluminum | 5,910 | = | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Aluminum | 5,590 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Aluminum | 5,520 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Aluminum | 5,420 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB01401 | mg/kg | Aluminum | 5,320 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Aluminum | 5,220 | = | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Aluminum | 5,060 | = | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Aluminum | 4,940 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Aluminum | 4,890 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Aluminum | 4,760 | = | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Aluminum | 4,590 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Aluminum | 4,570 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Aluminum | 4,560 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Aluminum | 4,530 | = | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Aluminum | 4,240 | = | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Aluminum | 4,080 | = | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Aluminum | 4,030 | = | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Aluminum | 4,000 | = | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Aluminum | 3,890 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Aluminum | 3,860 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Aluminum | 3,810 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Aluminum | 3,630 | = | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Aluminum | 3,540 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Aluminum | 3,500 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Aluminum | 3,480 | = | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Aluminum | 3,450 | = | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Aluminum | 3,390 | = | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Aluminum | 3,270 | = | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Aluminum | 3,100 | = | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Aluminum | 2,770 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Aluminum | 2,720 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Aluminum | 2,250 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Aluminum | 2,110 | = | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Antimony | 1.4 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB04301 | mg/kg | Antimony | 0.55 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Antimony | 0.45 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Antimony | 0.44 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Antimony | 0.44 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Antimony | 0.38 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Antimony | 0.35 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Antimony | 0.33 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Antimony | 0.33 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Antimony | 0.3 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Antimony | 0.29 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Antimony | 0.29 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Antimony | 0.28 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Antimony | 0.28 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Antimony | 0.26 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Antimony | 0.67 | UJ | No |
| GDC | SS | GDCSB01001 | mg/kg | Antimony | 0.24 | UJ | No |
| GDC | SS | GDCSB00201 | mg/kg | Antimony | 0.23 | UJ | No |
| GDC | SS | GDCSB01101 | mg/kg | Antimony | 0.23 | UJ | No |
| GDC | SS | GDCSB01601 | mg/kg | Antimony | 0.23 | UJ | No |
| GDC | SS | GDCSB00601b | mg/kg | Antimony | 0.22 | UJ | No |
| GDC | SS | GDCSB00401a | mg/kg | Antimony | 0.22 | UJ | No |
| GDC | SS | GDCSB04201 | mg/kg | Antimony | 0.22 | UJ | No |
| GDC | SS | GDCSB01501 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB03501 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB00701 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB01401 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB02001 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB03701 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB00901 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB01701 | mg/kg | Antimony | 0.21 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB01201 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB02501 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SS | GDCSB02901 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB02201 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB01901 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB02801 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB00801a | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB03401 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB02701 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB03001 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB03201 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB02401 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB02101 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SS | GDCSB00201 | mg/kg | Arsenic | 39.4 | = | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Arsenic | 22.4 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Arsenic | 22.3 | = | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Arsenic | 12.5 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Arsenic | 10.2 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Arsenic | 9.6 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Arsenic | 7.2 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Arsenic | 6.6 | = | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Arsenic | 5.3 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Arsenic | 3.8 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Arsenic | 3.4 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Arsenic | 3.3 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Arsenic | 3 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Arsenic | 2.7 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Arsenic | 2.6 | = | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Arsenic | 2.6 | = | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Arsenic | 2.4 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB01501 | mg/kg | Arsenic | 2.4 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Arsenic | 1.8 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Arsenic | 1.7 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Arsenic | 1.5 | = | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Arsenic | 1.4 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Arsenic | 1 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Arsenic | 0.79 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Arsenic | 0.77 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Arsenic | 0.74 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Arsenic | 0.73 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Arsenic | 0.62 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Arsenic | 0.6 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Arsenic | 0.58 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Arsenic | 0.4 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Arsenic | 3 | U | No |
| GDC | SS | GDCSB00901 | mg/kg | Arsenic | 2.7 | UJ | No |
| GDC | SS | GDCSB02901 | mg/kg | Arsenic | 2.5 | U | No |
| GDC | SS | GDCSB03801a | mg/kg | Arsenic | 2.3 | U | No |
| GDC | SS | GDCSB03001 | mg/kg | Arsenic | 2.1 | U | No |
| GDC | SS | GDCSB04401 | mg/kg | Arsenic | 2 | U | No |
| GDC | SS | GDCSB04201 | mg/kg | Arsenic | 1.6 | U | No |
| GDC | SS | GDCSB02701 | mg/kg | Arsenic | 0.7 | U | No |
| GDC | SS | GDCSB01001 | mg/kg | Arsenic | 0.41 | UJ | No |
| GDC | SS | GDCSB01101 | mg/kg | Arsenic | 0.38 | UJ | No |
| GDC | SS | GDCSB01401 | mg/kg | Arsenic | 0.35 | UJ | No |
| GDC | SS | GDCSB03401 | mg/kg | Arsenic | 0.33 | U | No |
| GDC | SS | GDCSB03201 | mg/kg | Arsenic | 0.33 | UJ | No |
| GDC | SS | GDCSB04001b | mg/kg | Barium | 193 | = | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Barium | 97.4 | = | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Barium | 93.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00101a | mg/kg | Barium | 69.1 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Barium | 65.5 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Barium | 51.1 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Barium | 39.1 | = | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Barium | 33.5 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Barium | 31.6 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Barium | 29.9 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Barium | 27.5 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Barium | 25 | J | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Barium | 23.8 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Barium | 22.3 | = | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Barium | 22.3 | = | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Barium | 22.3 | = | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Barium | 20.4 | J | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Barium | 20.3 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Barium | 19.4 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Barium | 18.4 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Barium | 18.2 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Barium | 17.7 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Barium | 17.5 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Barium | 17.1 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Barium | 16.4 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Barium | 15.9 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Barium | 15.7 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Barium | 15.7 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Barium | 15.6 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Barium | 14.4 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Barium | 13.5 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Barium | 12.8 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Barium | 11.7 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00801a | mg/kg | Barium | 11.6 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Barium | 11.1 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Barium | 11.1 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Barium | 10.9 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Barium | 9.8 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Barium | 9.4 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Barium | 9 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Barium | 7 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Barium | 6.9 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Barium | 6 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Barium | 4.4 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Beryllium | 0.26 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Beryllium | 0.18 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Beryllium | 0.16 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Beryllium | 0.11 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Beryllium | 0.47 | U | No |
| GDC | SS | GDCSB01701 | mg/kg | Beryllium | 0.37 | UJ | No |
| GDC | SS | GDCSB04101 | mg/kg | Beryllium | 0.36 | U | No |
| GDC | SS | GDCSB03501 | mg/kg | Beryllium | 0.35 | U | No |
| GDC | SS | GDCSB03601 | mg/kg | Beryllium | 0.34 | U | No |
| GDC | SS | GDCSB02501 | mg/kg | Beryllium | 0.29 | UJ | No |
| GDC | SS | GDCSB04301 | mg/kg | Beryllium | 0.27 | U | No |
| GDC | SS | GDCSB01501 | mg/kg | Beryllium | 0.27 | UJ | No |
| GDC | SS | GDCSB02001 | mg/kg | Beryllium | 0.24 | UJ | No |
| GDC | SS | GDCSB03701 | mg/kg | Beryllium | 0.22 | U | No |
| GDC | SS | GDCSB02601 | mg/kg | Beryllium | 0.21 | UJ | No |
| GDC | SS | GDCSB01201 | mg/kg | Beryllium | 0.2 | U | No |
| GDC | SS | GDCSB04401 | mg/kg | Beryllium | 0.18 | U | No |
| GDC | SS | GDCSB00201 | mg/kg | Beryllium | 0.18 | U | No |
| GDC | SS | GDCSB00901 | mg/kg | Beryllium | 0.17 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB04201 | mg/kg | Beryllium | 0.16 | U | No |
| GDC | SS | GDCSB03201 | mg/kg | Beryllium | 0.16 | UJ | No |
| GDC | SS | GDCSB02401 | mg/kg | Beryllium | 0.16 | U | No |
| GDC | SS | GDCSB03801a | mg/kg | Beryllium | 0.15 | U | No |
| GDC | SS | GDCSB04001b | mg/kg | Beryllium | 0.15 | U | No |
| GDC | SS | GDCSB01901 | mg/kg | Beryllium | 0.15 | UJ | No |
| GDC | SS | GDCSB02301 | mg/kg | Beryllium | 0.14 | U | No |
| GDC | SS | GDCSB01601 | mg/kg | Beryllium | 0.13 | UJ | No |
| GDC | SS | GDCSB00701 | mg/kg | Beryllium | 0.12 | U | No |
| GDC | SS | GDCSB03901b | mg/kg | Beryllium | 0.12 | U | No |
| GDC | SS | GDCSB00601b | mg/kg | Beryllium | 0.12 | U | No |
| GDC | SS | GDCSB03301 | mg/kg | Beryllium | 0.12 | U | No |
| GDC | SS | GDCSB02901 | mg/kg | Beryllium | 0.12 | U | No |
| GDC | SS | GDCSB01101 | mg/kg | Beryllium | 0.12 | UJ | No |
| GDC | SS | GDCSB01301 | mg/kg | Beryllium | 0.1 | U | No |
| GDC | SS | GDCSB02201 | mg/kg | Beryllium | 0.1 | U | No |
| GDC | SS | GDCSB02101 | mg/kg | Beryllium | 0.1 | U | No |
| GDC | SS | GDCSB02801 | mg/kg | Beryllium | 0.09 | U | No |
| GDC | SS | GDCSB01801 | mg/kg | Beryllium | 0.08 | UJ | No |
| GDC | SS | GDCSB02701 | mg/kg | Beryllium | 0.08 | U | No |
| GDC | SS | GDCSB03001 | mg/kg | Beryllium | 0.08 | U | No |
| GDC | SS | GDCSB01401 | mg/kg | Beryllium | 0.07 | UJ | No |
| GDC | SS | GDCSB00401a | mg/kg | Beryllium | 0.07 | U | No |
| GDC | SS | GDCSB03401 | mg/kg | Beryllium | 0.07 | U | No |
| GDC | SS | GDCSB01001 | mg/kg | Beryllium | 0.05 | UJ | No |
| GDC | SS | GDCSB00101a | mg/kg | Cadmium | 0.65 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Cadmium | 0.52 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Cadmium | 0.45 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Cadmium | 0.37 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Cadmium | 0.24 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00301b | mg/kg | Cadmium | 0.16 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Cadmium | 0.33 | UJ | No |
| GDC | SS | GDCSB01301 | mg/kg | Cadmium | 0.28 | U | No |
| GDC | SS | GDCSB03501 | mg/kg | Cadmium | 0.23 | U | No |
| GDC | SS | GDCSB03301 | mg/kg | Cadmium | 0.23 | U | No |
| GDC | SS | GDCSB01501 | mg/kg | Cadmium | 0.2 | UJ | No |
| GDC | SS | GDCSB02501 | mg/kg | Cadmium | 0.15 | UJ | No |
| GDC | SS | GDCSB04301 | mg/kg | Cadmium | 0.14 | U | No |
| GDC | SS | GDCSB01901 | mg/kg | Cadmium | 0.13 | UJ | No |
| GDC | SS | GDCSB01701 | mg/kg | Cadmium | 0.12 | UJ | No |
| GDC | SS | GDCSB03801a | mg/kg | Cadmium | 0.12 | U | No |
| GDC | SS | GDCSB02001 | mg/kg | Cadmium | 0.08 | UJ | No |
| GDC | SS | GDCSB00601b | mg/kg | Cadmium | 0.06 | U | No |
| GDC | SS | GDCSB00501a | mg/kg | Cadmium | 0.06 | U | No |
| GDC | SS | GDCSB00201 | mg/kg | Cadmium | 0.06 | U | No |
| GDC | SS | GDCSB03901b | mg/kg | Cadmium | 0.06 | U | No |
| GDC | SS | GDCSB00801a | mg/kg | Cadmium | 0.05 | U | No |
| GDC | SS | GDCSB02201 | mg/kg | Cadmium | 0.05 | U | No |
| GDC | SS | GDCSB01001 | mg/kg | Cadmium | 0.04 | UJ | No |
| GDC | SS | GDCSB01601 | mg/kg | Cadmium | 0.04 | UJ | No |
| GDC | SS | GDCSB01101 | mg/kg | Cadmium | 0.04 | UJ | No |
| GDC | SS | GDCSB02301 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB03001 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB04101 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB02801 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB02101 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB01201 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB02401 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB04201 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB03201 | mg/kg | Cadmium | 0.03 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB01401 | mg/kg | Cadmium | 0.03 | UJ | No |
| GDC | SS | GDCSB04401 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB00901 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB00401a | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB02701 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB01801 | mg/kg | Cadmium | 0.03 | UJ | No |
| GDC | SS | GDCSB03701 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB00701 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB03401 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SS | GDCSB03801a | mg/kg | Calcium | 85,600 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Calcium | 71,400 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Calcium | 50,100 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Calcium | 48,100 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Calcium | 38,500 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Calcium | 34,800 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Calcium | 34,800 | J | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Calcium | 32,400 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Calcium | 29,700 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Calcium | 27,600 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Calcium | 25,100 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Calcium | 23,800 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Calcium | 21,600 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Calcium | 20,800 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Calcium | 18,600 | = | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Calcium | 16,900 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Calcium | 16,400 | = | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Calcium | 12,700 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Calcium | 12,100 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Calcium | 10,200 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Calcium | 9,370 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03901b | mg/kg | Calcium | 8,360 | = | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Calcium | 6,090 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Calcium | 4,200 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Calcium | 4,050 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Calcium | 3,800 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Calcium | 2,810 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Calcium | 2,670 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Calcium | 2,270 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Calcium | 2,070 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Calcium | 1,780 | = | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Calcium | 1,660 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Calcium | 1,620 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Calcium | 1,590 | = | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Calcium | 1,210 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Calcium | 1,190 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Calcium | 1,060 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Calcium | 914 | = | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Calcium | 887 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Calcium | 799 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Calcium | 728 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Calcium | 497 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Calcium | 484 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Calcium | 133 | UJ | No |
| GDC | SS | GDCSB03101 | mg/kg | Chromium, Total | 31.8 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Chromium, Total | 22.8 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Chromium, Total | 22.7 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Chromium, Total | 21 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Chromium, Total | 18.8 | = | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Chromium, Total | 17.6 | = | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Chromium, Total | 17 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB01701 | mg/kg | Chromium, Total | 15.9 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Chromium, Total | 14.4 | = | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Chromium, Total | 13.8 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Chromium, Total | 13.2 | = | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Chromium, Total | 11.2 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Chromium, Total | 9.5 | = | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Chromium, Total | 9.1 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Chromium, Total | 9 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Chromium, Total | 8.9 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Chromium, Total | 8.8 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Chromium, Total | 8.7 | = | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Chromium, Total | 8.5 | = | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Chromium, Total | 8.4 | = | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Chromium, Total | 7.6 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Chromium, Total | 7.5 | = | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Chromium, Total | 7.4 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Chromium, Total | 7.4 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Chromium, Total | 7.4 | = | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Chromium, Total | 7.4 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Chromium, Total | 7.3 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Chromium, Total | 7.1 | = | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Chromium, Total | 6.8 | = | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Chromium, Total | 6.6 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Chromium, Total | 6.3 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Chromium, Total | 6.2 | = | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Chromium, Total | 6 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Chromium, Total | 5.9 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Chromium, Total | 5.4 | = | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Chromium, Total | 5.4 | = | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Chromium, Total | 5.3 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03301 | mg/kg | Chromium, Total | 5.3 | = | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Chromium, Total | 5 | = | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Chromium, Total | 4.4 | = | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Chromium, Total | 4.3 | = | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Chromium, Total | 3.2 | = | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Chromium, Total | 3.1 | = | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Chromium, Total | 2.7 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Cobalt | 2.9 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Cobalt | 2.3 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Cobalt | 2 | J | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Cobalt | 2 | J | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Cobalt | 1.8 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Cobalt | 1.4 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Cobalt | 1.4 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Cobalt | 1.4 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Cobalt | 1.4 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Cobalt | 1.3 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Cobalt | 1.2 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Cobalt | 1.2 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Cobalt | 1.1 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Cobalt | 1 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Cobalt | 0.96 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Cobalt | 0.92 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Cobalt | 0.86 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Cobalt | 0.84 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02901 | mg/kg | Cobalt | 0.79 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Cobalt | 0.78 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Cobalt | 0.75 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Cobalt | 0.75 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Cobalt | 0.71 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Cobalt | 0.62 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Cobalt | 0.62 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Cobalt | 0.57 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Cobalt | 0.57 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Cobalt | 0.52 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Cobalt | 0.51 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Cobalt | 0.5 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Cobalt | 0.46 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Cobalt | 0.45 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Cobalt | 0.4 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Cobalt | 0.35 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Cobalt | 0.34 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Cobalt | 0.18 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Cobalt | 0.68 | UJ | No |
| GDC | SS | GDCSB01801 | mg/kg | Cobalt | 0.62 | UJ | No |
| GDC | SS | GDCSB01001 | mg/kg | Cobalt | 0.41 | UJ | No |
| GDC | SS | GDCSB00101a | mg/kg | Copper | 39.7 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Copper | 38.3 | = | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Copper | 33.8 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Copper | 26.1 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Copper | 23.9 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Copper | 21.4 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Copper | 18.4 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Copper | 18.1 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Copper | 17.4 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03501 | mg/kg | Copper | 16.5 | = | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Copper | 15.7 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Copper | 15 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Copper | 14.8 | = | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Copper | 13.7 | J | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Copper | 12.7 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Copper | 12.5 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Copper | 11.9 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Copper | 11.8 | = | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Copper | 11.5 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Copper | 10.9 | = | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Copper | 10.2 | = | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Copper | 7.9 | = | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Copper | 7.3 | = | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Copper | 7 | = | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Copper | 6.8 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Copper | 6.7 | = | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Copper | 6.5 | = | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Copper | 6.2 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Copper | 6.2 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Copper | 5.8 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Copper | 5.8 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Copper | 5.8 | = | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Copper | 5.4 | = | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Copper | 4.3 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Copper | 3.9 | = | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Copper | 3.6 | = | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Copper | 3.5 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Copper | 2.4 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Copper | 2.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00401a | mg/kg | Copper | 1.7 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Copper | 1.5 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Copper | 1.5 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Copper | 0.81 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Copper | 1 | U | No |
| GDC | SS | GDCSB04101 | mg/kg | Iron | 12,000 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Iron | 9,020 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Iron | 7,960 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Iron | 7,720 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Iron | 6,370 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Iron | 6,210 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Iron | 5,800 | = | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Iron | 5,710 | = | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Iron | 5,650 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Iron | 4,700 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Iron | 4,630 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Iron | 4,330 | = | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Iron | 4,270 | = | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Iron | 4,230 | = | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Iron | 4,170 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Iron | 4,100 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Iron | 3,990 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Iron | 3,920 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Iron | 3,690 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Iron | 3,680 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Iron | 3,660 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Iron | 3,300 | = | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Iron | 3,290 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Iron | 3,280 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Iron | 3,220 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02901 | mg/kg | Iron | 2,960 | = | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Iron | 2,930 | = | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Iron | 2,800 | = | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Iron | 2,670 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Iron | 2,580 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Iron | 2,510 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Iron | 2,450 | = | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Iron | 2,400 | = | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Iron | 2,340 | = | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Iron | 2,190 | = | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Iron | 2,140 | = | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Iron | 2,060 | = | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Iron | 1,750 | = | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Iron | 1,640 | = | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Iron | 1,640 | = | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Iron | 1,540 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Iron | 1,510 | = | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Iron | 1,440 | = | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Iron | 841 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Lead | 588 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Lead | 389 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Lead | 304 | = | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Lead | 202 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Lead | 163 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Lead | 121 | = | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Lead | 97.6 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Lead | 88.1 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Lead | 78 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Lead | 77.7 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Lead | 74.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02201 | mg/kg | Lead | 64.7 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Lead | 54.1 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Lead | 53.4 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Lead | 50.7 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Lead | 47.8 | = | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Lead | 46.7 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Lead | 44.7 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Lead | 40.2 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Lead | 37.9 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Lead | 37.9 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Lead | 35.4 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Lead | 34.1 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Lead | 34 | J | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Lead | 27 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Lead | 26.6 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Lead | 25.9 | = | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Lead | 19 | = | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Lead | 17.7 | = | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Lead | 17.6 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Lead | 17.2 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Lead | 15.2 | = | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Lead | 14.2 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Lead | 13.7 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Lead | 13.6 | = | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Lead | 10.5 | = | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Lead | 9.9 | = | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Lead | 8.4 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Lead | 7.4 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Lead | 7.1 | = | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Lead | 7 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03401 | mg/kg | Lead | 6.5 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Lead | 2.9 | = | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Lead | 2.7 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Magnesium | 2,390 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Magnesium | 1,930 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Magnesium | 1,680 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Magnesium | 1,380 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Magnesium | 1,140 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Magnesium | 1,080 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Magnesium | 1,070 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Magnesium | 1,040 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Magnesium | 945 | = | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Magnesium | 901 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Magnesium | 792 | = | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Magnesium | 639 | = | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Magnesium | 623 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Magnesium | 591 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Magnesium | 555 | = | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Magnesium | 542 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Magnesium | 529 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Magnesium | 462 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Magnesium | 445 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Magnesium | 435 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Magnesium | 432 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Magnesium | 431 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Magnesium | 394 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Magnesium | 345 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Magnesium | 333 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Magnesium | 305 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Magnesium | 296 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02401 | mg/kg | Magnesium | 282 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Magnesium | 268 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Magnesium | 261 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Magnesium | 259 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Magnesium | 248 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Magnesium | 240 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Magnesium | 236 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Magnesium | 205 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Magnesium | 201 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Magnesium | 197 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Magnesium | 184 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Magnesium | 183 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Magnesium | 180 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Magnesium | 177 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Magnesium | 160 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Magnesium | 143 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Magnesium | 130 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Manganese | 101 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Manganese | 86.1 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Manganese | 82.1 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Manganese | 78.2 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Manganese | 73 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Manganese | 72.7 | = | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Manganese | 69.5 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Manganese | 64.9 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Manganese | 62.8 | = | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Manganese | 61.8 | = | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Manganese | 55.2 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Manganese | 54.8 | = | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Manganese | 53 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03101 | mg/kg | Manganese | 53 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Manganese | 48.9 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Manganese | 48.5 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Manganese | 47.2 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Manganese | 45.5 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Manganese | 45.4 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Manganese | 45.3 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Manganese | 43.1 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Manganese | 42.9 | = | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Manganese | 42.8 | = | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Manganese | 41.8 | = | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Manganese | 37.7 | = | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Manganese | 33.6 | = | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Manganese | 33.3 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Manganese | 32.3 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Manganese | 32.2 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Manganese | 27.9 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Manganese | 27.6 | = | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Manganese | 26 | = | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Manganese | 25.3 | = | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Manganese | 23 | = | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Manganese | 22.2 | = | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Manganese | 19.9 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Manganese | 19.7 | = | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Manganese | 19 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Manganese | 16.8 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Manganese | 16.2 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Manganese | 15.1 | = | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Manganese | 12.2 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Manganese | 11.3 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02801 | mg/kg | Manganese | 10.4 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Mercury | 0.75 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Mercury | 0.24 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Mercury | 0.22 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Mercury | 0.2 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Mercury | 0.19 | = | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Mercury | 0.19 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Mercury | 0.15 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Mercury | 0.13 | = | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Mercury | 0.13 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Mercury | 0.12 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Mercury | 0.12 | = | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Mercury | 0.11 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Mercury | 0.11 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Mercury | 0.11 | = | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Mercury | 0.11 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Mercury | 0.13 | U | No |
| GDC | SS | GDCSB01101 | mg/kg | Mercury | 0.12 | U | No |
| GDC | SS | GDCSB01601 | mg/kg | Mercury | 0.12 | U | No |
| GDC | SS | GDCSB00501a | mg/kg | Mercury | 0.12 | U | No |
| GDC | SS | GDCSB00901 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB04201 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB00701 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB01701 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB00301b | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB02401 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB01401 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB00801a | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB02101 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB01201 | mg/kg | Mercury | 0.11 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02001 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB01801 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB03801a | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB00401a | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB02701 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB00601b | mg/kg | Mercury | 0.11 | U | No |
| GDC | SS | GDCSB03701 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SS | GDCSB03401 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SS | GDCSB03201 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SS | GDCSB01301 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SS | GDCSB03301 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SS | GDCSB03901b | mg/kg | Mercury | 0.1 | U | No |
| GDC | SS | GDCSB01901 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SS | GDCSB00101a | mg/kg | Mercury | 0.09 | U | No |
| GDC | SS | GDCSB02201 | mg/kg | Mercury | 0.09 | U | No |
| GDC | SS | GDCSB00601b | mg/kg | Nickel | 27.7 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Nickel | 11.6 | J | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Nickel | 7.8 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Nickel | 7.4 | J | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Nickel | 6.6 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Nickel | 6.1 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Nickel | 5.5 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Nickel | 5.2 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Nickel | 4.9 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Nickel | 4.8 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Nickel | 4.8 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Nickel | 4.8 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Nickel | 4.4 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Nickel | 4.3 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Nickel | 3.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02501 | mg/kg | Nickel | 3.4 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Nickel | 3.3 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Nickel | 3.3 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Nickel | 3.1 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Nickel | 3 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Nickel | 2.9 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Nickel | 2.6 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Nickel | 2.5 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Nickel | 2.5 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Nickel | 2.4 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Nickel | 2.3 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Nickel | 2.1 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Nickel | 2 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Nickel | 1.9 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Nickel | 1.8 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Nickel | 1.7 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Nickel | 1.5 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Nickel | 1.4 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Nickel | 1.4 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Nickel | 1.3 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Nickel | 1.2 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Nickel | 1.1 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Nickel | 0.82 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Nickel | 0.82 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Nickel | 0.54 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Nickel | 1.6 | U | No |
| GDC | SS | GDCSB02201 | mg/kg | Nickel | 1.3 | U | No |
| GDC | SS | GDCSB03301 | mg/kg | Nickel | 1.2 | U | No |
| GDC | SS | GDCSB03401 | mg/kg | Nickel | 1 | U | No |
| GDC | SS | GDCSB03501 | mg/kg | Potassium | 836 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03101 | mg/kg | Potassium | 775 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Potassium | 752 | J | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Potassium | 621 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Potassium | 490 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Potassium | 461 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Potassium | 369 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Potassium | 360 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Potassium | 344 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Potassium | 322 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Potassium | 315 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Potassium | 305 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Potassium | 301 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Potassium | 295 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Potassium | 292 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Potassium | 283 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Potassium | 276 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Potassium | 255 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Potassium | 236 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Potassium | 229 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Potassium | 208 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Potassium | 199 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Potassium | 180 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Potassium | 178 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Potassium | 162 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Potassium | 162 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Potassium | 160 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Potassium | 155 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Potassium | 155 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Potassium | 149 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Potassium | 144 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB01401 | mg/kg | Potassium | 141 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Potassium | 135 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Potassium | 132 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Potassium | 127 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Potassium | 124 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Potassium | 118 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Potassium | 114 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Potassium | 96.8 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Potassium | 89.4 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Potassium | 86.6 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Potassium | 83.9 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Potassium | 67.9 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Potassium | 64.6 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Selenium | 1.3 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Selenium | 1.1 | = | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Selenium | 1.1 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Selenium | 1 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Selenium | 0.94 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Selenium | 0.79 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Selenium | 0.78 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Selenium | 0.71 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Selenium | 0.71 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Selenium | 0.67 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Selenium | 0.64 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Selenium | 0.63 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Selenium | 0.62 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Selenium | 0.62 | = | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Selenium | 0.62 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Selenium | 0.6 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Selenium | 0.59 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02901 | mg/kg | Selenium | 0.55 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Selenium | 0.55 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Selenium | 0.55 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Selenium | 0.53 | J | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Selenium | 0.51 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Selenium | 0.51 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Selenium | 0.5 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Selenium | 0.48 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Selenium | 0.56 | UJ | No |
| GDC | SS | GDCSB00301b | mg/kg | Selenium | 0.51 | UJ | No |
| GDC | SS | GDCSB00401a | mg/kg | Selenium | 0.5 | U | No |
| GDC | SS | GDCSB01201 | mg/kg | Selenium | 0.49 | UJ | No |
| GDC | SS | GDCSB03801a | mg/kg | Selenium | 0.49 | UJ | No |
| GDC | SS | GDCSB00701 | mg/kg | Selenium | 0.49 | UJ | No |
| GDC | SS | GDCSB03501 | mg/kg | Selenium | 0.48 | UJ | No |
| GDC | SS | GDCSB02401 | mg/kg | Selenium | 0.47 | UJ | No |
| GDC | SS | GDCSB02301 | mg/kg | Selenium | 0.47 | UJ | No |
| GDC | SS | GDCSB03401 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB02201 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB03201 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB03301 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB01301 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB03001 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB02801 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB02101 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB00801a | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SS | GDCSB03901b | mg/kg | Selenium | 0.37 | U | No |
| GDC | SS | GDCSB01601 | mg/kg | Silver | 0.06 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Silver | 0.06 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Silver | 0.05 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03101 | mg/kg | Silver | 0.08 | U | No |
| GDC | SS | GDCSB00601b | mg/kg | Silver | 0.07 | UJ | No |
| GDC | SS | GDCSB00101a | mg/kg | Silver | 0.07 | UJ | No |
| GDC | SS | GDCSB03901b | mg/kg | Silver | 0.07 | U | No |
| GDC | SS | GDCSB00501a | mg/kg | Silver | 0.07 | UJ | No |
| GDC | SS | GDCSB00301b | mg/kg | Silver | 0.07 | UJ | No |
| GDC | SS | GDCSB00201 | mg/kg | Silver | 0.07 | UJ | No |
| GDC | SS | GDCSB01201 | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB03601 | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB03801a | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB04201 | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB02501 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SS | GDCSB04001b | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB04101 | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB00401a | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB00701 | mg/kg | Silver | 0.06 | U | No |
| GDC | SS | GDCSB01001 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SS | GDCSB01101 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SS | GDCSB00801a | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SS | GDCSB03401 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB03701 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB03001 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB02101 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB02701 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB03301 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB01301 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB04401 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB02301 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB01901 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SS | GDCSB01401 | mg/kg | Silver | 0.05 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB02401 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB00901 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SS | GDCSB03501 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB02601 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SS | GDCSB01501 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SS | GDCSB01701 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SS | GDCSB02201 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB02001 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SS | GDCSB02801 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB02901 | mg/kg | Silver | 0.05 | U | No |
| GDC | SS | GDCSB03201 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SS | GDCSB01701 | mg/kg | Sodium | 729 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Sodium | 583 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Sodium | 536 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Sodium | 424 | J | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Sodium | 373 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Sodium | 368 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Sodium | 360 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Sodium | 321 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Sodium | 283 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Sodium | 263 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Sodium | 254 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Sodium | 240 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Sodium | 221 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Sodium | 209 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Sodium | 142 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Sodium | 119 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Sodium | 108 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Sodium | 98.6 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Sodium | 237 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB04301 | mg/kg | Sodium | 214 | U | No |
| GDC | SS | GDCSB04101 | mg/kg | Sodium | 202 | U | No |
| GDC | SS | GDCSB00601b | mg/kg | Sodium | 186 | U | No |
| GDC | SS | GDCSB02001 | mg/kg | Sodium | 185 | U | No |
| GDC | SS | GDCSB04401 | mg/kg | Sodium | 184 | U | No |
| GDC | SS | GDCSB01601 | mg/kg | Sodium | 178 | U | No |
| GDC | SS | GDCSB04201 | mg/kg | Sodium | 175 | U | No |
| GDC | SS | GDCSB01101 | mg/kg | Sodium | 174 | U | No |
| GDC | SS | GDCSB02501 | mg/kg | Sodium | 172 | U | No |
| GDC | SS | GDCSB00101a | mg/kg | Sodium | 159 | U | No |
| GDC | SS | GDCSB01501 | mg/kg | Sodium | 158 | U | No |
| GDC | SS | GDCSB01401 | mg/kg | Sodium | 158 | U | No |
| GDC | SS | GDCSB02601 | mg/kg | Sodium | 154 | U | No |
| GDC | SS | GDCSB00801a | mg/kg | Sodium | 139 | U | No |
| GDC | SS | GDCSB01001 | mg/kg | Sodium | 133 | U | No |
| GDC | SS | GDCSB03301 | mg/kg | Sodium | 131 | U | No |
| GDC | SS | GDCSB01201 | mg/kg | Sodium | 124 | U | No |
| GDC | SS | GDCSB00401a | mg/kg | Sodium | 120 | U | No |
| GDC | SS | GDCSB02301 | mg/kg | Sodium | 118 | U | No |
| GDC | SS | GDCSB02201 | mg/kg | Sodium | 118 | U | No |
| GDC | SS | GDCSB01301 | mg/kg | Sodium | 110 | U | No |
| GDC | SS | GDCSB02101 | mg/kg | Sodium | 110 | U | No |
| GDC | SS | GDCSB02401 | mg/kg | Sodium | 105 | U | No |
| GDC | SS | GDCSB00701 | mg/kg | Sodium | 103 | U | No |
| GDC | SS | GDCSB03401 | mg/kg | Sodium | 99.6 | U | No |
| GDC | SS | GDCSB03101 | mg/kg | Thallium | 0.69 | U | No |
| GDC | SS | GDCSB00601b | mg/kg | Thallium | 0.64 | U | No |
| GDC | SS | GDCSB00301b | mg/kg | Thallium | 0.64 | U | No |
| GDC | SS | GDCSB00501a | mg/kg | Thallium | 0.63 | U | No |
| GDC | SS | GDCSB00101a | mg/kg | Thallium | 0.61 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00201 | mg/kg | Thallium | 0.61 | U | No |
| GDC | SS | GDCSB00801a | mg/kg | Thallium | 0.58 | U | No |
| GDC | SS | GDCSB01001 | mg/kg | Thallium | 0.57 | U | No |
| GDC | SS | GDCSB01601 | mg/kg | Thallium | 0.55 | UJ | No |
| GDC | SS | GDCSB01101 | mg/kg | Thallium | 0.54 | U | No |
| GDC | SS | GDCSB03601 | mg/kg | Thallium | 0.52 | U | No |
| GDC | SS | GDCSB00401a | mg/kg | Thallium | 0.51 | U | No |
| GDC | SS | GDCSB04201 | mg/kg | Thallium | 0.51 | U | No |
| GDC | SS | GDCSB04101 | mg/kg | Thallium | 0.51 | U | No |
| GDC | SS | GDCSB00701 | mg/kg | Thallium | 0.5 | U | No |
| GDC | SS | GDCSB04301 | mg/kg | Thallium | 0.5 | U | No |
| GDC | SS | GDCSB01201 | mg/kg | Thallium | 0.5 | U | No |
| GDC | SS | GDCSB03801a | mg/kg | Thallium | 0.5 | U | No |
| GDC | SS | GDCSB02501 | mg/kg | Thallium | 0.5 | U | No |
| GDC | SS | GDCSB03701 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB01501 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB02001 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB03501 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB00901 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB04401 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB01401 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB01701 | mg/kg | Thallium | 0.49 | U | No |
| GDC | SS | GDCSB01801 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SS | GDCSB02401 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SS | GDCSB02601 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SS | GDCSB02301 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SS | GDCSB02201 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB01301 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB03001 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB03301 | mg/kg | Thallium | 0.47 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB03201 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB02701 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB02901 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB02801 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB01901 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB02101 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB03401 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SS | GDCSB03901b | mg/kg | Thallium | 0.4 | U | No |
| GDC | SS | GDCSB04001b | mg/kg | Thallium | 0.39 | U | No |
| GDC | SS | GDCSB00101a | mg/kg | Tin | 8.1 | = | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Tin | 3.4 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Tin | 2.8 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Tin | 2.6 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Tin | 2.6 | J | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Tin | 2.1 | J | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Tin | 2 | J | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Tin | 1.9 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Tin | 1.7 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Tin | 1.7 | J | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Tin | 1.6 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Tin | 1.6 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Tin | 1.6 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Tin | 1.4 | J | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Tin | 1.4 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Tin | 1.4 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Tin | 1.4 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Tin | 1.3 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Tin | 1.3 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Tin | 1.3 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Tin | 1.2 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00701 | mg/kg | Tin | 1.2 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Tin | 1.2 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Tin | 1.1 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Tin | 1.1 | J | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Tin | 1 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Tin | 0.94 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Tin | 0.92 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Tin | 0.9 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Tin | 0.79 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Tin | 0.72 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Tin | 0.71 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Tin | 0.7 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Tin | 3 | U | No |
| GDC | SS | GDCSB03601 | mg/kg | Tin | 2.5 | U | No |
| GDC | SS | GDCSB02801 | mg/kg | Tin | 1.8 | U | No |
| GDC | SS | GDCSB00901 | mg/kg | Tin | 1.7 | U | No |
| GDC | SS | GDCSB03101 | mg/kg | Tin | 1.5 | U | No |
| GDC | SS | GDCSB02701 | mg/kg | Tin | 1.4 | U | No |
| GDC | SS | GDCSB03001 | mg/kg | Tin | 1.2 | U | No |
| GDC | SS | GDCSB00601b | mg/kg | Tin | 0.91 | U | No |
| GDC | SS | GDCSB01101 | mg/kg | Tin | 0.7 | UJ | No |
| GDC | SS | GDCSB03501 | mg/kg | Tin | 0.64 | U | No |
| GDC | SS | GDCSB01701 | mg/kg | Tin | 0.64 | UJ | No |
| GDC | SS | GDCSB04101 | mg/kg | Vanadium | 25.4 | = | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Vanadium | 24.3 | = | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Vanadium | 21.2 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Vanadium | 19.5 | = | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Vanadium | 17.2 | = | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Vanadium | 17.1 | J | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Vanadium | 15.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00301b | mg/kg | Vanadium | 11.1 | = | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Vanadium | 10 | = | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Vanadium | 9.5 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Vanadium | 9.5 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Vanadium | 9.3 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Vanadium | 9.3 | = | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Vanadium | 9.2 | = | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Vanadium | 9.1 | = | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Vanadium | 8.7 | = | Yes |
| GDC | SS | GDCSB01801 | mg/kg | Vanadium | 8.6 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Vanadium | 8.5 | = | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Vanadium | 8.3 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Vanadium | 8.2 | = | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Vanadium | 8.1 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Vanadium | 7.9 | = | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Vanadium | 7.3 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Vanadium | 7.2 | = | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Vanadium | 7 | J | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Vanadium | 6.9 | = | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Vanadium | 6.4 | = | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Vanadium | 6.2 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Vanadium | 5.7 | = | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Vanadium | 5.7 | = | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Vanadium | 5.6 | = | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Vanadium | 5.3 | = | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Vanadium | 5.3 | = | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Vanadium | 5.2 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Vanadium | 5.2 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Vanadium | 4.7 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Vanadium | 4.7 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB00601b | mg/kg | Vanadium | 4.5 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Vanadium | 4 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Vanadium | 3.8 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Vanadium | 3.6 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Vanadium | 3.6 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Vanadium | 2.8 | J | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Vanadium | 2.7 | J | Yes |
| GDC | SS | GDCSB04001b | mg/kg | Zinc | 779 | = | Yes |
| GDC | SS | GDCSB02901 | mg/kg | Zinc | 414 | J | Yes |
| GDC | SS | GDCSB00101a | mg/kg | Zinc | 142 | = | Yes |
| GDC | SS | GDCSB04301 | mg/kg | Zinc | 138 | J | Yes |
| GDC | SS | GDCSB02501 | mg/kg | Zinc | 135 | J | Yes |
| GDC | SS | GDCSB01301 | mg/kg | Zinc | 133 | J | Yes |
| GDC | SS | GDCSB01501 | mg/kg | Zinc | 128 | J | Yes |
| GDC | SS | GDCSB02201 | mg/kg | Zinc | 122 | J | Yes |
| GDC | SS | GDCSB03801a | mg/kg | Zinc | 115 | J | Yes |
| GDC | SS | GDCSB02601 | mg/kg | Zinc | 109 | J | Yes |
| GDC | SS | GDCSB03301 | mg/kg | Zinc | 88.7 | J | Yes |
| GDC | SS | GDCSB03601 | mg/kg | Zinc | 86.2 | J | Yes |
| GDC | SS | GDCSB03101 | mg/kg | Zinc | 73.1 | J | Yes |
| GDC | SS | GDCSB00301b | mg/kg | Zinc | 62.5 | J | Yes |
| GDC | SS | GDCSB01601 | mg/kg | Zinc | 58.5 | J | Yes |
| GDC | SS | GDCSB02401 | mg/kg | Zinc | 47.8 | J | Yes |
| GDC | SS | GDCSB03501 | mg/kg | Zinc | 46 | J | Yes |
| GDC | SS | GDCSB02301 | mg/kg | Zinc | 43.6 | J | Yes |
| GDC | SS | GDCSB01701 | mg/kg | Zinc | 42.7 | J | Yes |
| GDC | SS | GDCSB03001 | mg/kg | Zinc | 42 | J | Yes |
| GDC | SS | GDCSB02001 | mg/kg | Zinc | 40.1 | J | Yes |
| GDC | SS | GDCSB03901b | mg/kg | Zinc | 40 | = | Yes |
| GDC | SS | GDCSB02101 | mg/kg | Zinc | 40 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SS | GDCSB01801 | mg/kg | Zinc | 37.6 | J | Yes |
| GDC | SS | GDCSB01101 | mg/kg | Zinc | 36.4 | J | Yes |
| GDC | SS | GDCSB00501a | mg/kg | Zinc | 35.4 | J | Yes |
| GDC | SS | GDCSB01901 | mg/kg | Zinc | 34.4 | J | Yes |
| GDC | SS | GDCSB00601b | mg/kg | Zinc | 33.5 | = | Yes |
| GDC | SS | GDCSB00201 | mg/kg | Zinc | 33.1 | = | Yes |
| GDC | SS | GDCSB04101 | mg/kg | Zinc | 27.1 | J | Yes |
| GDC | SS | GDCSB00701 | mg/kg | Zinc | 24.7 | = | Yes |
| GDC | SS | GDCSB04401 | mg/kg | Zinc | 23.7 | J | Yes |
| GDC | SS | GDCSB03701 | mg/kg | Zinc | 23.7 | J | Yes |
| GDC | SS | GDCSB00901 | mg/kg | Zinc | 19.9 | = | Yes |
| GDC | SS | GDCSB04201 | mg/kg | Zinc | 15.3 | J | Yes |
| GDC | SS | GDCSB01201 | mg/kg | Zinc | 13.4 | J | Yes |
| GDC | SS | GDCSB02801 | mg/kg | Zinc | 12.5 | J | Yes |
| GDC | SS | GDCSB03201 | mg/kg | Zinc | 11.7 | J | Yes |
| GDC | SS | GDCSB00401a | mg/kg | Zinc | 9.6 | = | Yes |
| GDC | SS | GDCSB01401 | mg/kg | Zinc | 9.2 | J | Yes |
| GDC | SS | GDCSB01001 | mg/kg | Zinc | 9 | J | Yes |
| GDC | SS | GDCSB03401 | mg/kg | Zinc | 6.2 | J | Yes |
| GDC | SS | GDCSB00801a | mg/kg | Zinc | 4.1 | J | Yes |
| GDC | SS | GDCSB02701 | mg/kg | Zinc | 3.4 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Aluminum | 6,510 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Aluminum | 4,530 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Aluminum | 4,020 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Aluminum | 3,690 | = | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Aluminum | 3,560 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Aluminum | 3,560 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Antimony | 1.7 | J | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Antimony | 0.7 | UJ | No |
| GDD | SS | GDDSB00301 | mg/kg | Antimony | 0.37 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SS | GDDSB00501 | mg/kg | Antimony | 0.36 | UJ | No |
| GDD | SS | GDDSB00601 | mg/kg | Antimony | 0.33 | UJ | No |
| GDD | SS | GDDSB00101 | mg/kg | Antimony | 0.33 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Arsenic | 7.4 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Arsenic | 4.5 | = | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Arsenic | 2.2 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Arsenic | 1.2 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Arsenic | 0.9 | J | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Arsenic | 0.84 | J | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Barium | 20.2 | J | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Barium | 19.6 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Barium | 18.2 | J | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Barium | 12.1 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Barium | 11.1 | J | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Barium | 9.7 | J | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Beryllium | 0.13 | J | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Beryllium | 0.31 | U | No |
| GDD | SS | GDDSB00501 | mg/kg | Beryllium | 0.21 | U | No |
| GDD | SS | GDDSB00301 | mg/kg | Beryllium | 0.18 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Beryllium | 0.18 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Beryllium | 0.12 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Cadmium | 0.11 | J | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Cadmium | 0.05 | U | No |
| GDD | SS | GDDSB00501 | mg/kg | Cadmium | 0.05 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Cadmium | 0.04 | U | No |
| GDD | SS | GDDSB00101 | mg/kg | Cadmium | 0.04 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Cadmium | 0.04 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Calcium | 15,500 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Calcium | 2,810 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Calcium | 2,570 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SS | GDDSB00201 | mg/kg | Calcium | 1,770 | = | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Calcium | 1,380 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Calcium | 344 | = | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Chromium, Total | 9.7 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Chromium, Total | 6.3 | J | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Chromium, Total | 5.9 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Chromium, Total | 5.5 | J | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Chromium, Total | 4.9 | J | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Chromium, Total | 4.5 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Cobalt | 17.1 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Cobalt | 8.1 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Cobalt | 0.67 | J | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Cobalt | 0.42 | J | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Cobalt | 0.34 | J | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Copper | 116 | = | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Copper | 6.7 | U | No |
| GDD | SS | GDDSB00501 | mg/kg | Copper | 1.5 | U | No |
| GDD | SS | GDDSB00101 | mg/kg | Copper | 1.3 | U | No |
| GDD | SS | GDDSB00301 | mg/kg | Copper | 0.98 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Copper | 0.97 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Iron | 3,600 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Iron | 2,400 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Iron | 2,230 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Iron | 2,180 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Iron | 2,060 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Iron | 966 | = | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Lead | 21.1 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Lead | 18.7 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Lead | 6.3 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SS | GDDSB00501 | mg/kg | Lead | 5.1 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Lead | 3.1 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Lead | 2.2 | = | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Magnesium | 850 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Magnesium | 350 | = | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Magnesium | 330 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Magnesium | 203 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Magnesium | 179 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Magnesium | 157 | = | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Manganese | 23.3 | J | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Manganese | 17.2 | J | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Manganese | 13.6 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Manganese | 11.9 | J | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Manganese | 10.7 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Manganese | 5 | J | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Mercury | 0.06 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SS | GDDSB00501 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SS | GDDSB00101 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Mercury | 0.03 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Nickel | 4.7 | = | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Nickel | 3.6 | J | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Nickel | 2 | J | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Nickel | 1.4 | J | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Nickel | 1.4 | J | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Nickel | 1.2 | J | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Potassium | 250 | U | No |
| GDD | SS | GDDSB00501 | mg/kg | Potassium | 242 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Potassium | 218 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SS | GDDSB00101 | mg/kg | Potassium | 218 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Potassium | 215 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Potassium | 205 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Selenium | 1 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Selenium | 0.49 | J | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Selenium | 0.4 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Selenium | 0.4 | J | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Selenium | 0.33 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Selenium | 0.32 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Silver | 0.42 | J | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Silver | 0.27 | J | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Silver | 0.26 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Silver | 0.23 | U | No |
| GDD | SS | GDDSB00101 | mg/kg | Silver | 0.21 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Silver | 0.21 | U | No |
| GDD | SS | GDDSB00101 | mg/kg | Sodium | 170 | J | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Sodium | 258 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Sodium | 237 | U | No |
| GDD | SS | GDDSB00301 | mg/kg | Sodium | 131 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Sodium | 127 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Sodium | 113 | U | No |
| GDD | SS | GDDSB00301 | mg/kg | Thallium | 0.42 | U | No |
| GDD | SS | GDDSB00501 | mg/kg | Thallium | 0.41 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Thallium | 0.37 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Thallium | 0.37 | U | No |
| GDD | SS | GDDSB00101 | mg/kg | Thallium | 0.37 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Thallium | 0.35 | U | No |
| GDD | SS | GDDSB00201 | mg/kg | Tin | 6.6 | U | No |
| GDD | SS | GDDSB00501 | mg/kg | Tin | 1.2 | U | No |
| GDD | SS | GDDSB00301 | mg/kg | Tin | 1.1 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SS | GDDSB00601 | mg/kg | Tin | 1.1 | U | No |
| GDD | SS | GDDSB00401 | mg/kg | Tin | 0.69 | U | No |
| GDD | SS | GDDSB00101 | mg/kg | Tin | 0.69 | U | No |
| GDD | SS | GDDSB00601 | mg/kg | Vanadium | 9.1 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Vanadium | 6.3 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Vanadium | 5.3 | = | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Vanadium | 3.8 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Vanadium | 2.5 | = | Yes |
| GDD | SS | GDDSB00301 | mg/kg | Vanadium | 2.2 | = | Yes |
| GDD | SS | GDDSB00601 | mg/kg | Zinc | 40.8 | = | Yes |
| GDD | SS | GDDSB00201 | mg/kg | Zinc | 13.6 | = | Yes |
| GDD | SS | GDDSB00401 | mg/kg | Zinc | 9.1 | = | Yes |
| GDD | SS | GDDSB00101 | mg/kg | Zinc | 6.8 | = | Yes |
| GDD | SS | GDDSB00501 | mg/kg | Zinc | 6.8 | U | No |
| GDD | SS | GDDSB00301 | mg/kg | Zinc | 3.8 | U | No |
| GDE | SS | GDESB00101 | mg/kg | Aluminum | 20,500 | J | Yes |
| GDE | SS | GDESB00701 | mg/kg | Aluminum | 19,000 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Aluminum | 15,100 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Aluminum | 15,100 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Aluminum | 15,100 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Aluminum | 12,200 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Aluminum | 10,900 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Aluminum | 9,360 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Aluminum | 9,240 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Aluminum | 8,870 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Aluminum | 6,980 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Aluminum | 6,100 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Aluminum | 4,950 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Aluminum | 4,930 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Aluminum | 4,430 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESW08D19 | mg/kg | Aluminum | 4,400 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Aluminum | 4,380 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Aluminum | 4,370 | = | Yes |
| GDE | SS | GDESB02401 | mg/kg | Aluminum | 4,210 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Aluminum | 4,060 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Aluminum | 3,480 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Aluminum | 3,470 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Aluminum | 3,470 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Aluminum | 3,330 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Aluminum | 2,870 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Aluminum | 2,860 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Aluminum | 2,610 | = | Yes |
| GDE | SS | GDESB00401 | mg/kg | Aluminum | 2,350 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Aluminum | 1,880 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Aluminum | 737 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Aluminum | 475 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Aluminum | 261 | = | Yes |
| GDE | SS | GDESB03001 | mg/kg | Aluminum | 11,700 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Aluminum | 8,840 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Aluminum | 6,620 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Aluminum | 4,510 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Aluminum | 1,530 | U | No |
| GDE | SS | GDESB01001 | mg/kg | Antimony | 7.4 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Antimony | 2.6 | J | Yes |
| GDE | SS | GDESB01501 | mg/kg | Antimony | 1.7 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Antimony | 1.6 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Antimony | 0.86 | J | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Antimony | 0.83 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Antimony | 0.76 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Antimony | 0.65 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00901b | mg/kg | Antimony | 0.65 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Antimony | 0.5 | J | Yes |
| GDE | SS | GDESB00101 | mg/kg | Antimony | 4.3 | UJ | No |
| GDE | SS | GDESB00801 | mg/kg | Antimony | 4.1 | UJ | No |
| GDE | SS | GDESB00301 | mg/kg | Antimony | 3.4 | UJ | No |
| GDE | SS | GDESB00501 | mg/kg | Antimony | 3.3 | UJ | No |
| GDE | SS | GDESB00201 | mg/kg | Antimony | 3.1 | UJ | No |
| GDE | SS | GDESW08D19 | mg/kg | Antimony | 1.2 | U | No |
| GDE | SS | GDESB00701 | mg/kg | Antimony | 0.63 | U | No |
| GDE | SS | GDESB02101 | mg/kg | Antimony | 0.6 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Antimony | 0.5 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Antimony | 0.49 | UJ | No |
| GDE | SS | GDESB00401 | mg/kg | Antimony | 0.48 | U | No |
| GDE | SS | GDESB02201 | mg/kg | Antimony | 0.48 | UJ | No |
| GDE | SS | GDESB02401 | mg/kg | Antimony | 0.46 | U | No |
| GDE | SS | GDESB01101 | mg/kg | Antimony | 0.46 | UJ | No |
| GDE | SS | GDESB01701 | mg/kg | Antimony | 0.46 | UJ | No |
| GDE | SS | GDESB00601 | mg/kg | Antimony | 0.44 | UJ | No |
| GDE | SS | GDESB01301 | mg/kg | Antimony | 0.43 | U | No |
| GDE | SS | GDESB02301 | mg/kg | Antimony | 0.43 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Antimony | 0.42 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Antimony | 0.35 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Antimony | 0.35 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Antimony | 0.34 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Antimony | 0.33 | U | No |
| GDE | SS | GDESW19D54 | mg/kg | Antimony | 0.33 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Antimony | 0.32 | U | No |
| GDE | SS | GDESW26D28 | mg/kg | Antimony | 0.29 | U | No |
| GDE | SS | GDESW20D55 | mg/kg | Antimony | 0.28 | U | No |
| GDE | SS | GDESB01001 | mg/kg | Arsenic | 67.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB01801 | mg/kg | Arsenic | 47.6 | J | Yes |
| GDE | SS | GDESB00801 | mg/kg | Arsenic | 23.9 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Arsenic | 17.9 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Arsenic | 17.1 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Arsenic | 17 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Arsenic | 17 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Arsenic | 14.8 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Arsenic | 12.2 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Arsenic | 11.5 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Arsenic | 9.3 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Arsenic | 8.5 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Arsenic | 7.5 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Arsenic | 6.5 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Arsenic | 5.3 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Arsenic | 4.3 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Arsenic | 4.1 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Arsenic | 3.2 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Arsenic | 3 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Arsenic | 2.6 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Arsenic | 2.6 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Arsenic | 2.6 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Arsenic | 2.6 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Arsenic | 2 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Arsenic | 1.9 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Arsenic | 1.7 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Arsenic | 1.5 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Arsenic | 1.3 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Arsenic | 1.2 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Arsenic | 0.95 | = | Yes |
| GDE | SS | GDESB03001 | mg/kg | Arsenic | 4.3 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02601 | mg/kg | Arsenic | 2.5 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Arsenic | 1.5 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Arsenic | 1.4 | U | No |
| GDE | SS | GDESB00401 | mg/kg | Arsenic | 0.6 | U | No |
| GDE | SS | GDESB02401 | mg/kg | Arsenic | 0.58 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Arsenic | 0.4 | U | No |
| GDE | SS | GDESB01101 | mg/kg | Barium | 1,980 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Barium | 76.1 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Barium | 74.4 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Barium | 69.3 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Barium | 56.5 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Barium | 54.7 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Barium | 33 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Barium | 31.9 | J | Yes |
| GDE | SS | GDESB00901b | mg/kg | Barium | 31.9 | J | Yes |
| GDE | SS | GDESB00101 | mg/kg | Barium | 30.9 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Barium | 28.8 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Barium | 27.3 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Barium | 23.9 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Barium | 23.1 | J | Yes |
| GDE | SS | GDESB01301 | mg/kg | Barium | 22 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Barium | 19 | J | Yes |
| GDE | SS | GDESB01201 | mg/kg | Barium | 15.7 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Barium | 15.3 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Barium | 13.8 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Barium | 12.9 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Barium | 12.9 | J | Yes |
| GDE | SS | GDESB00601 | mg/kg | Barium | 12.2 | J | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Barium | 11.7 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Barium | 9.9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00501 | mg/kg | Barium | 9.5 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Barium | 8.1 | J | Yes |
| GDE | SS | GDESB02001 | mg/kg | Barium | 7.9 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Barium | 7.5 | = | Yes |
| GDE | SS | GDESB02401 | mg/kg | Barium | 5.7 | J | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Barium | 5.2 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Barium | 3 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Barium | 1.8 | = | Yes |
| GDE | SS | GDESB03001 | mg/kg | Barium | 35.4 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Barium | 25.7 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Barium | 16.2 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Barium | 8.1 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Barium | 6.4 | U | No |
| GDE | SS | GDESB00301 | mg/kg | Beryllium | 1.6 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Beryllium | 1.2 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Beryllium | 1.2 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Beryllium | 0.98 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Beryllium | 0.93 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Beryllium | 0.88 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Beryllium | 0.88 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Beryllium | 0.8 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Beryllium | 0.75 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Beryllium | 0.56 | J | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Beryllium | 0.52 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Beryllium | 0.48 | J | Yes |
| GDE | SS | GDESB01301 | mg/kg | Beryllium | 0.48 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Beryllium | 0.44 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Beryllium | 0.43 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Beryllium | 0.43 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Beryllium | 0.39 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB01201 | mg/kg | Beryllium | 0.35 | J | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Beryllium | 0.33 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Beryllium | 0.28 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Beryllium | 0.27 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Beryllium | 0.22 | J | Yes |
| GDE | SS | GDESB01101 | mg/kg | Beryllium | 0.22 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Beryllium | 0.19 | J | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Beryllium | 0.15 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Beryllium | 0.14 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Beryllium | 0.14 | J | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Beryllium | 0.13 | = | Yes |
| GDE | SS | GDESB03001 | mg/kg | Beryllium | 0.43 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Beryllium | 0.29 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Beryllium | 0.18 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Beryllium | 0.12 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Beryllium | 0.12 | U | No |
| GDE | SS | GDESB02401 | mg/kg | Beryllium | 0.12 | U | No |
| GDE | SS | GDESB00401 | mg/kg | Beryllium | 0.12 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Beryllium | 0.11 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Beryllium | 0.07 | U | No |
| GDE | SS | GDESB00801 | mg/kg | Cadmium | 1.5 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Cadmium | 1.3 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Cadmium | 1.1 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Cadmium | 0.87 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Cadmium | 0.81 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Cadmium | 0.79 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Cadmium | 0.74 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Cadmium | 0.73 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Cadmium | 0.7 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Cadmium | 0.68 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB01101 | mg/kg | Cadmium | 0.25 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Cadmium | 0.23 | J | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Cadmium | 0.09 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Cadmium | 0.06 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Cadmium | 0.44 | U | No |
| GDE | SS | GDESB00201 | mg/kg | Cadmium | 0.42 | U | No |
| GDE | SS | GDESW08D19 | mg/kg | Cadmium | 0.22 | U | No |
| GDE | SS | GDESB00701 | mg/kg | Cadmium | 0.16 | U | No |
| GDE | SS | GDESB02101 | mg/kg | Cadmium | 0.15 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Cadmium | 0.13 | U | No |
| GDE | SS | GDESB00901a | mg/kg | Cadmium | 0.13 | U | No |
| GDE | SS | GDESB00901b | mg/kg | Cadmium | 0.13 | U | No |
| GDE | SS | GDESB00401 | mg/kg | Cadmium | 0.12 | U | No |
| GDE | SS | GDESB02201 | mg/kg | Cadmium | 0.12 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Cadmium | 0.12 | U | No |
| GDE | SS | GDESB02401 | mg/kg | Cadmium | 0.12 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Cadmium | 0.12 | U | No |
| GDE | SS | GDESB01301 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SS | GDESB01901 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SS | GDESB01701 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Cadmium | 0.1 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Cadmium | 0.07 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Cadmium | 0.06 | U | No |
| GDE | SS | GDESW19D54 | mg/kg | Cadmium | 0.06 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Cadmium | 0.05 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Cadmium | 0.04 | U | No |
| GDE | SS | GDESW26D28 | mg/kg | Calcium | 182,000 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Calcium | 148,000 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Calcium | 68,200 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB01501 | mg/kg | Calcium | 53,600 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Calcium | 48,400 | J | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Calcium | 47,100 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Calcium | 38,300 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Calcium | 30,400 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Calcium | 28,600 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Calcium | 28,300 | J | Yes |
| GDE | SS | GDESB00901a | mg/kg | Calcium | 27,800 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Calcium | 27,800 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Calcium | 12,100 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Calcium | 11,800 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Calcium | 11,700 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Calcium | 10,300 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Calcium | 10,000 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Calcium | 9,820 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Calcium | 9,390 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Calcium | 8,400 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Calcium | 8,060 | J | Yes |
| GDE | SS | GDESB01101 | mg/kg | Calcium | 7,510 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Calcium | 6,710 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Calcium | 5,170 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Calcium | 4,830 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Calcium | 3,410 | J | Yes |
| GDE | SS | GDESB02001 | mg/kg | Calcium | 994 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Calcium | 959 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Calcium | 725 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Calcium | 716 | = | Yes |
| GDE | SS | GDESB00401 | mg/kg | Calcium | 218 | J | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Calcium | 167 | = | Yes |
| GDE | SS | GDESB02901 | mg/kg | Calcium | 4370 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02601 | mg/kg | Calcium | 2600 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Calcium | 1220 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Calcium | 1170 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Calcium | 334 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Chromium, Total | 567 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Chromium, Total | 90.1 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Chromium, Total | 52.1 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Chromium, Total | 42.6 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Chromium, Total | 39.5 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Chromium, Total | 37.7 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Chromium, Total | 34.8 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Chromium, Total | 32.4 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Chromium, Total | 29.1 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Chromium, Total | 29.1 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Chromium, Total | 28 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Chromium, Total | 27.6 | J | Yes |
| GDE | SS | GDESB01501 | mg/kg | Chromium, Total | 26.7 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Chromium, Total | 22.8 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Chromium, Total | 17 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Chromium, Total | 14.7 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Chromium, Total | 13.3 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Chromium, Total | 10.3 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Chromium, Total | 10.2 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Chromium, Total | 9.5 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Chromium, Total | 9 | = | Yes |
| GDE | SS | GDESB03001 | mg/kg | Chromium, Total | 8.8 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Chromium, Total | 8.7 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Chromium, Total | 7 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Chromium, Total | 6.6 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Chromium, Total | 5.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02901 | mg/kg | Chromium, Total | 5.6 | = | Yes |
| GDE | SS | GDESB02701 | mg/kg | Chromium, Total | 5.1 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Chromium, Total | 4.8 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Chromium, Total | 4.7 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Chromium, Total | 4.5 | = | Yes |
| GDE | SS | GDESB02401 | mg/kg | Chromium, Total | 3.9 | J | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Chromium, Total | 3.8 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Chromium, Total | 3.6 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Chromium, Total | 3 | = | Yes |
| GDE | SS | GDESB00401 | mg/kg | Chromium, Total | 2.3 | J | Yes |
| GDE | SS | GDESB02801 | mg/kg | Chromium, Total | 2.3 | U | No |
| GDE | SS | GDESB00401 | mg/kg | Cobalt | 111 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Cobalt | 23.2 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Cobalt | 11.2 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Cobalt | 8.5 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Cobalt | 8.1 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Cobalt | 8.1 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Cobalt | 6.6 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Cobalt | 6.5 | J | Yes |
| GDE | SS | GDESB00601 | mg/kg | Cobalt | 4.7 | J | Yes |
| GDE | SS | GDESB00901a | mg/kg | Cobalt | 4.6 | J | Yes |
| GDE | SS | GDESB00901b | mg/kg | Cobalt | 4.6 | J | Yes |
| GDE | SS | GDESB00801 | mg/kg | Cobalt | 4.4 | J | Yes |
| GDE | SS | GDESB01501 | mg/kg | Cobalt | 4.3 | J | Yes |
| GDE | SS | GDESB01301 | mg/kg | Cobalt | 3.9 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Cobalt | 2.9 | J | Yes |
| GDE | SS | GDESB02001 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Cobalt | 2.6 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Cobalt | 2.5 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Cobalt | 1.5 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02501 | mg/kg | Cobalt | 1.3 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Cobalt | 1.1 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Cobalt | 1 | J | Yes |
| GDE | SS | GDESB00501 | mg/kg | Cobalt | 0.95 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Cobalt | 0.91 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Cobalt | 0.87 | J | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Cobalt | 0.71 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Cobalt | 0.6 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Cobalt | 0.38 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Cobalt | 0.35 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Cobalt | 2.2 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Cobalt | 1.9 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Cobalt | 1.4 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Cobalt | 1.1 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Cobalt | 0.58 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Cobalt | 0.07 | U | No |
| GDE | SS | GDESB01801 | mg/kg | Copper | 866 | J | Yes |
| GDE | SS | GDESB00301 | mg/kg | Copper | 321 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Copper | 210 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Copper | 148 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Copper | 136 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Copper | 131 | = | Yes |
| GDE | SS | GDESB00401 | mg/kg | Copper | 49.7 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Copper | 43.9 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Copper | 35.9 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Copper | 32.6 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Copper | 28.2 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Copper | 28.2 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00901a | mg/kg | Copper | 28.2 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Copper | 22 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Copper | 13 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Copper | 12.6 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Copper | 12 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Copper | 9.3 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Copper | 7.3 | J | Yes |
| GDE | SS | GDESB01101 | mg/kg | Copper | 7 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Copper | 6.7 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Copper | 6.5 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Copper | 6.5 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Copper | 6.1 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Copper | 5.7 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Copper | 4.8 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Copper | 2.6 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Copper | 1.4 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Copper | 0.77 | = | Yes |
| GDE | SS | GDESB02401 | mg/kg | Copper | 0.76 | J | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Copper | 0.57 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Copper | 0.47 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Copper | 16 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Copper | 9.7 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Copper | 9 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Copper | 6.4 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Copper | 0.54 | UJ | No |
| GDE | SS | GDESB01801 | mg/kg | Iron | 30600 | J | Yes |
| GDE | SS | GDESB00701 | mg/kg | Iron | 30500 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Iron | 26500 | J | Yes |
| GDE | SS | GDESB00301 | mg/kg | Iron | 25100 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Iron | 20800 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00901a | mg/kg | Iron | 20000 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Iron | 20000 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Iron | 16300 | J | Yes |
| GDE | SS | GDESB01001 | mg/kg | Iron | 14300 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Iron | 14100 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Iron | 13400 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Iron | 11200 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Iron | 10700 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Iron | 9050 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Iron | 6180 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Iron | 5920 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Iron | 5790 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Iron | 5440 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Iron | 5430 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Iron | 4460 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Iron | 3960 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Iron | 3620 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Iron | 3560 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Iron | 3110 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Iron | 2690 | J | Yes |
| GDE | SS | GDESB02001 | mg/kg | Iron | 2510 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Iron | 2300 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Iron | 2260 | = | Yes |
| GDE | SS | GDESB02401 | mg/kg | Iron | 1250 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Iron | 1090 | J | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Iron | 1080 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Iron | 1050 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Iron | 8760 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Iron | 4280 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Iron | 2110 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02901 | mg/kg | Iron | 2010 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Iron | 1430 | U | No |
| GDE | SS | GDESB00301 | mg/kg | Lead | 400 | J | Yes |
| GDE | SS | GDESB01801 | mg/kg | Lead | 322 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Lead | 265 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Lead | 226 | J | Yes |
| GDE | SS | GDESB01501 | mg/kg | Lead | 191 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Lead | 164 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Lead | 142 | J | Yes |
| GDE | SS | GDESB00901b | mg/kg | Lead | 74.4 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Lead | 74.4 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Lead | 57.7 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Lead | 57.3 | J | Yes |
| GDE | SS | GDESB02101 | mg/kg | Lead | 37.9 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Lead | 30.9 | J | Yes |
| GDE | SS | GDESB02001 | mg/kg | Lead | 30.5 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Lead | 28.8 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Lead | 27.3 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Lead | 21.7 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Lead | 13.5 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Lead | 7.6 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Lead | 6.1 | J | Yes |
| GDE | SS | GDESB01201 | mg/kg | Lead | 6 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Lead | 5.8 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Lead | 5.5 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Lead | 3.5 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Lead | 2.7 | = | Yes |
| GDE | SS | GDESB02401 | mg/kg | Lead | 2.3 | = | Yes |
| GDE | SS | GDESB00401 | mg/kg | Lead | 2.2 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Lead | 1.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESW28D11 | mg/kg | Lead | 1.3 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Lead | 1.2 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Lead | 1.1 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Lead | 1 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Lead | 36.4 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Lead | 22.7 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Lead | 18.5 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Lead | 14.6 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Lead | 4.5 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Magnesium | 14800 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Magnesium | 10300 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Magnesium | 6770 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Magnesium | 6600 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Magnesium | 4560 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Magnesium | 4390 | J | Yes |
| GDE | SS | GDESB00901b | mg/kg | Magnesium | 3070 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Magnesium | 3070 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Magnesium | 2400 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Magnesium | 2340 | J | Yes |
| GDE | SS | GDESB01001 | mg/kg | Magnesium | 2320 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Magnesium | 1950 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Magnesium | 1870 | J | Yes |
| GDE | SS | GDESB01301 | mg/kg | Magnesium | 1720 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Magnesium | 1620 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Magnesium | 1590 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Magnesium | 1240 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Magnesium | 763 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Magnesium | 710 | J | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Magnesium | 637 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Magnesium | 622 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00201 | mg/kg | Magnesium | 539 | J | Yes |
| GDE | SS | GDESB00501 | mg/kg | Magnesium | 467 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Magnesium | 331 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Magnesium | 316 | J | Yes |
| GDE | SS | GDESB01801 | mg/kg | Magnesium | 258 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Magnesium | 247 | J | Yes |
| GDE | SS | GDESB02001 | mg/kg | Magnesium | 236 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Magnesium | 227 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Magnesium | 224 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Magnesium | 75.7 | J | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Magnesium | 31 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Magnesium | 757 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Magnesium | 543 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Magnesium | 235 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Magnesium | 233 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Magnesium | 77.3 | U | No |
| GDE | SS | GDESB00701 | mg/kg | Manganese | 508 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Manganese | 347 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Manganese | 347 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Manganese | 326 | J | Yes |
| GDE | SS | GDESB00101 | mg/kg | Manganese | 269 | J | Yes |
| GDE | SS | GDESB01301 | mg/kg | Manganese | 232 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Manganese | 198 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Manganese | 187 | J | Yes |
| GDE | SS | GDESB00301 | mg/kg | Manganese | 170 | J | Yes |
| GDE | SS | GDESB01001 | mg/kg | Manganese | 150 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Manganese | 127 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Manganese | 110 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Manganese | 90.2 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Manganese | 65.2 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02501 | mg/kg | Manganese | 64.8 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Manganese | 64.5 | J | Yes |
| GDE | SS | GDESB00601 | mg/kg | Manganese | 62.1 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Manganese | 60.7 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Manganese | 59.3 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Manganese | 58.1 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Manganese | 52.5 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Manganese | 51.3 | J | Yes |
| GDE | SS | GDESB02101 | mg/kg | Manganese | 51.3 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Manganese | 49.5 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Manganese | 42.5 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Manganese | 35.9 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Manganese | 25.8 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Manganese | 21.6 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Manganese | 21.5 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Manganese | 13.6 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Manganese | 6.8 | J | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Manganese | 0.93 | = | Yes |
| GDE | SS | GDESB03001 | mg/kg | Manganese | 55.9 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Manganese | 49.4 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Manganese | 17.4 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Manganese | 10.1 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Manganese | 6 | U | No |
| GDE | SS | GDESB00301 | mg/kg | Mercury | 2.7 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Mercury | 0.72 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Mercury | 0.61 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Mercury | 0.61 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Mercury | 0.43 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Mercury | 0.42 | J | Yes |
| GDE | SS | GDESB01501 | mg/kg | Mercury | 0.4 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB01001 | mg/kg | Mercury | 0.37 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Mercury | 0.37 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Mercury | 0.26 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Mercury | 0.21 | J | Yes |
| GDE | SS | GDESB02101 | mg/kg | Mercury | 0.19 | J | Yes |
| GDE | SS | GDESB02701 | mg/kg | Mercury | 0.18 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Mercury | 0.13 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Mercury | 0.08 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Mercury | 0.07 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Mercury | 0.07 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Mercury | 0.06 | J | Yes |
| GDE | SS | GDESB02901 | mg/kg | Mercury | 0.05 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Mercury | 0.04 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Mercury | 0.04 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Mercury | 0.03 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Mercury | 0.03 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Mercury | 0.13 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SS | GDESW29D15 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SS | GDESW2D124 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SS | GDESW19D54 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SS | GDESW26D28 | mg/kg | Mercury | 0.03 | U | No |
| GDE | SS | GDESW20D55 | mg/kg | Mercury | 0.03 | U | No |
| GDE | SS | GDESB01301 | mg/kg | Mercury | 0.02 | U | No |
| GDE | SS | GDESB02401 | mg/kg | Mercury | 0.02 | U | No |
| GDE | SS | GDESB01901 | mg/kg | Mercury | 0.02 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Mercury | 0.02 | U | No |
| GDE | SS | GDESB01801 | mg/kg | Nickel | 71.5 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00301 | mg/kg | Nickel | 62.8 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Nickel | 26.1 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Nickel | 25.3 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Nickel | 20.9 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Nickel | 18 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Nickel | 14.5 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Nickel | 14.4 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Nickel | 14.2 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Nickel | 14.1 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Nickel | 11.5 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Nickel | 11 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Nickel | 11 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Nickel | 8.5 | = | Yes |
| GDE | SS | GDESB00401 | mg/kg | Nickel | 8.2 | J | Yes |
| GDE | SS | GDESB01201 | mg/kg | Nickel | 6 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Nickel | 5.5 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Nickel | 4.9 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Nickel | 4.4 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Nickel | 4.1 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Nickel | 3.7 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Nickel | 3.3 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Nickel | 2.9 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Nickel | 2.9 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Nickel | 2.7 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Nickel | 2.6 | J | Yes |
| GDE | SS | GDESB00501 | mg/kg | Nickel | 2.2 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Nickel | 2 | J | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Nickel | 0.94 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Nickel | 0.7 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Nickel | 0.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB03001 | mg/kg | Nickel | 4.4 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Nickel | 2.8 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Nickel | 2.8 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Nickel | 2.6 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Nickel | 1.8 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Nickel | 0.63 | U | No |
| GDE | SS | GDESB00101 | mg/kg | Potassium | 2620 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Potassium | 1890 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Potassium | 1850 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Potassium | 1720 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Potassium | 1400 | J | Yes |
| GDE | SS | GDESB00301 | mg/kg | Potassium | 1310 | J | Yes |
| GDE | SS | GDESB02101 | mg/kg | Potassium | 990 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Potassium | 791 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Potassium | 753 | J | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Potassium | 693 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Potassium | 603 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Potassium | 601 | J | Yes |
| GDE | SS | GDESB01501 | mg/kg | Potassium | 579 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Potassium | 499 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Potassium | 476 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Potassium | 407 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Potassium | 396 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Potassium | 381 | J | Yes |
| GDE | SS | GDESB01801 | mg/kg | Potassium | 377 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Potassium | 374 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Potassium | 257 | J | Yes |
| GDE | SS | GDESB00601 | mg/kg | Potassium | 249 | J | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Potassium | 109 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Potassium | 58.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESW28D11 | mg/kg | Potassium | 45.6 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Potassium | 2100 | U | No |
| GDE | SS | GDESB00901a | mg/kg | Potassium | 2100 | U | No |
| GDE | SS | GDESB01001 | mg/kg | Potassium | 1170 | U | No |
| GDE | SS | GDESB01301 | mg/kg | Potassium | 1020 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Potassium | 926 | U | No |
| GDE | SS | GDESB02501 | mg/kg | Potassium | 523 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Potassium | 399 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Potassium | 327 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Potassium | 230 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Potassium | 228 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Potassium | 221 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Potassium | 218 | U | No |
| GDE | SS | GDESW08D19 | mg/kg | Selenium | 4 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Selenium | 2.2 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Selenium | 1.7 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Selenium | 1.3 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Selenium | 1.1 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Selenium | 0.96 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Selenium | 0.93 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Selenium | 0.89 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Selenium | 0.81 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Selenium | 0.79 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Selenium | 0.57 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Selenium | 0.75 | U | No |
| GDE | SS | GDESB00101 | mg/kg | Selenium | 0.71 | U | No |
| GDE | SS | GDESB00901a | mg/kg | Selenium | 0.66 | U | No |
| GDE | SS | GDESB00901b | mg/kg | Selenium | 0.66 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Selenium | 0.61 | U | No |
| GDE | SS | GDESB02201 | mg/kg | Selenium | 0.61 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00401 | mg/kg | Selenium | 0.6 | U | No |
| GDE | SS | GDESB02401 | mg/kg | Selenium | 0.58 | U | No |
| GDE | SS | GDESB01101 | mg/kg | Selenium | 0.58 | U | No |
| GDE | SS | GDESB00301 | mg/kg | Selenium | 0.56 | U | No |
| GDE | SS | GDESB01901 | mg/kg | Selenium | 0.55 | U | No |
| GDE | SS | GDESB01301 | mg/kg | Selenium | 0.54 | U | No |
| GDE | SS | GDESB00501 | mg/kg | Selenium | 0.54 | U | No |
| GDE | SS | GDESB02301 | mg/kg | Selenium | 0.54 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Selenium | 0.54 | U | No |
| GDE | SS | GDESB00201 | mg/kg | Selenium | 0.52 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Selenium | 0.52 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Selenium | 0.35 | UJ | No |
| GDE | SS | GDESB03001 | mg/kg | Selenium | 0.34 | UJ | No |
| GDE | SS | GDESB02701 | mg/kg | Selenium | 0.34 | UJ | No |
| GDE | SS | GDESB02901 | mg/kg | Selenium | 0.33 | UJ | No |
| GDE | SS | GDESB02801 | mg/kg | Selenium | 0.33 | UJ | No |
| GDE | SS | GDESW19D54 | mg/kg | Selenium | 0.29 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Selenium | 0.29 | U | No |
| GDE | SS | GDESW26D28 | mg/kg | Selenium | 0.26 | U | No |
| GDE | SS | GDESW20D55 | mg/kg | Selenium | 0.25 | U | No |
| GDE | SS | GDESB02201 | mg/kg | Silver | 0.91 | J | Yes |
| GDE | SS | GDESB00801 | mg/kg | Silver | 0.75 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Silver | 0.76 | U | No |
| GDE | SS | GDESB00701 | mg/kg | Silver | 0.31 | U | No |
| GDE | SS | GDESB02101 | mg/kg | Silver | 0.3 | U | No |
| GDE | SS | GDESB00101 | mg/kg | Silver | 0.29 | U | No |
| GDE | SS | GDESB00901a | mg/kg | Silver | 0.26 | U | No |
| GDE | SS | GDESB00901b | mg/kg | Silver | 0.26 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Silver | 0.25 | U | No |
| GDE | SS | GDESB01601 | mg/kg | Silver | 0.25 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB00401 | mg/kg | Silver | 0.24 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Silver | 0.24 | U | No |
| GDE | SS | GDESB01701 | mg/kg | Silver | 0.23 | U | No |
| GDE | SS | GDESB01501 | mg/kg | Silver | 0.23 | U | No |
| GDE | SS | GDESB01001 | mg/kg | Silver | 0.23 | U | No |
| GDE | SS | GDESB01101 | mg/kg | Silver | 0.23 | U | No |
| GDE | SS | GDESB02401 | mg/kg | Silver | 0.23 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB02501 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB01801 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB00301 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB01301 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB01901 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESW2D124 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB02301 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESB00501 | mg/kg | Silver | 0.22 | U | No |
| GDE | SS | GDESW29D15 | mg/kg | Silver | 0.21 | U | No |
| GDE | SS | GDESW19D54 | mg/kg | Silver | 0.21 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Silver | 0.21 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Silver | 0.21 | U | No |
| GDE | SS | GDESB00201 | mg/kg | Silver | 0.21 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Silver | 0.2 | U | No |
| GDE | SS | GDESW20D55 | mg/kg | Silver | 0.18 | U | No |
| GDE | SS | GDESW26D28 | mg/kg | Silver | 0.18 | U | No |
| GDE | SS | GDESW08D19 | mg/kg | Sodium | 28200 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Sodium | 1790 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Sodium | 1580 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESW29D15 | mg/kg | Sodium | 1220 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Sodium | 517 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Sodium | 450 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Sodium | 438 | J | Yes |
| GDE | SS | GDESB01501 | mg/kg | Sodium | 417 | J | Yes |
| GDE | SS | GDESB00901b | mg/kg | Sodium | 415 | J | Yes |
| GDE | SS | GDESB00901a | mg/kg | Sodium | 415 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Sodium | 380 | J | Yes |
| GDE | SS | GDESB00101 | mg/kg | Sodium | 358 | J | Yes |
| GDE | SS | GDESB00701 | mg/kg | Sodium | 353 | J | Yes |
| GDE | SS | GDESB01001 | mg/kg | Sodium | 310 | J | Yes |
| GDE | SS | GDESB01101 | mg/kg | Sodium | 308 | J | Yes |
| GDE | SS | GDESB00801 | mg/kg | Sodium | 302 | J | Yes |
| GDE | SS | GDESB01301 | mg/kg | Sodium | 214 | J | Yes |
| GDE | SS | GDESB01201 | mg/kg | Sodium | 177 | J | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Sodium | 167 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Sodium | 108 | J | Yes |
| GDE | SS | GDESB00201 | mg/kg | Sodium | 97.2 | J | Yes |
| GDE | SS | GDESB02201 | mg/kg | Sodium | 88.3 | J | Yes |
| GDE | SS | GDESB00501 | mg/kg | Sodium | 81.6 | J | Yes |
| GDE | SS | GDESB00601 | mg/kg | Sodium | 78.8 | J | Yes |
| GDE | SS | GDESB01701 | mg/kg | Sodium | 73.9 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Sodium | 68.2 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Sodium | 37.1 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Sodium | 33.5 | J | Yes |
| GDE | SS | GDESB01801 | mg/kg | Sodium | 11.9 | J | Yes |
| GDE | SS | GDESB03001 | mg/kg | Sodium | 228 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Sodium | 199 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Sodium | 183 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Sodium | 177 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02801 | mg/kg | Sodium | 103 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Sodium | 46.6 | U | No |
| GDE | SS | GDESB02301 | mg/kg | Sodium | 45.8 | U | No |
| GDE | SS | GDESB02501 | mg/kg | Sodium | 44.8 | U | No |
| GDE | SS | GDESB01801 | mg/kg | Thallium | 2.8 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Thallium | 2 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Thallium | 0.84 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Thallium | 0.61 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Thallium | 2.1 | U | No |
| GDE | SS | GDESB00101 | mg/kg | Thallium | 0.71 | U | No |
| GDE | SS | GDESB00801 | mg/kg | Thallium | 0.68 | U | No |
| GDE | SS | GDESB00901a | mg/kg | Thallium | 0.66 | U | No |
| GDE | SS | GDESB00901b | mg/kg | Thallium | 0.66 | U | No |
| GDE | SS | GDESB01601 | mg/kg | Thallium | 0.62 | U | No |
| GDE | SS | GDESB02001 | mg/kg | Thallium | 0.61 | U | No |
| GDE | SS | GDESB02201 | mg/kg | Thallium | 0.61 | U | No |
| GDE | SS | GDESB00401 | mg/kg | Thallium | 0.6 | U | No |
| GDE | SS | GDESB02501 | mg/kg | Thallium | 0.58 | U | No |
| GDE | SS | GDESB02401 | mg/kg | Thallium | 0.58 | U | No |
| GDE | SS | GDESB01101 | mg/kg | Thallium | 0.58 | UJ | No |
| GDE | SS | GDESW29D15 | mg/kg | Thallium | 0.58 | U | No |
| GDE | SS | GDESB01501 | mg/kg | Thallium | 0.57 | U | No |
| GDE | SS | GDESB01001 | mg/kg | Thallium | 0.57 | U | No |
| GDE | SS | GDESB01701 | mg/kg | Thallium | 0.57 | U | No |
| GDE | SS | GDESB00301 | mg/kg | Thallium | 0.56 | U | No |
| GDE | SS | GDESW19D54 | mg/kg | Thallium | 0.56 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Thallium | 0.55 | U | No |
| GDE | SS | GDESB01901 | mg/kg | Thallium | 0.55 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Thallium | 0.54 | U | No |
| GDE | SS | GDESB00501 | mg/kg | Thallium | 0.54 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB01301 | mg/kg | Thallium | 0.54 | U | No |
| GDE | SS | GDESB02301 | mg/kg | Thallium | 0.54 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Thallium | 0.52 | U | No |
| GDE | SS | GDESB00201 | mg/kg | Thallium | 0.52 | U | No |
| GDE | SS | GDESW26D28 | mg/kg | Thallium | 0.5 | U | No |
| GDE | SS | GDESW20D55 | mg/kg | Thallium | 0.48 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Thallium | 0.4 | UJ | No |
| GDE | SS | GDESB02701 | mg/kg | Thallium | 0.39 | UJ | No |
| GDE | SS | GDESB03001 | mg/kg | Thallium | 0.39 | UJ | No |
| GDE | SS | GDESB02901 | mg/kg | Thallium | 0.38 | UJ | No |
| GDE | SS | GDESB02801 | mg/kg | Thallium | 0.37 | UJ | No |
| GDE | SS | GDESB00301 | mg/kg | Tin | 44.7 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Tin | 34 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Tin | 23.5 | J | Yes |
| GDE | SS | GDESB01001 | mg/kg | Tin | 22.3 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Tin | 18.6 | J | Yes |
| GDE | SS | GDESB01601 | mg/kg | Tin | 11.8 | = | Yes |
| GDE | SS | GDESB00701 | mg/kg | Tin | 10.8 | J | Yes |
| GDE | SS | GDESB02101 | mg/kg | Tin | 7.4 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Tin | 4.3 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Tin | 4 | J | Yes |
| GDE | SS | GDESB02501 | mg/kg | Tin | 3.7 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Tin | 3.3 | J | Yes |
| GDE | SS | GDESB01901 | mg/kg | Tin | 3.2 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Tin | 2.9 | J | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Tin | 1.2 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Tin | 1 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Tin | 1 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Tin | 0.95 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Tin | 0.84 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESW26D28 | mg/kg | Tin | 0.77 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Tin | 4.2 | U | No |
| GDE | SS | GDESB02301 | mg/kg | Tin | 3.8 | U | No |
| GDE | SS | GDESB01101 | mg/kg | Tin | 3.6 | U | No |
| GDE | SS | GDESB00901b | mg/kg | Tin | 3.3 | U | No |
| GDE | SS | GDESB00901a | mg/kg | Tin | 3.3 | U | No |
| GDE | SS | GDESB00601 | mg/kg | Tin | 2.8 | U | No |
| GDE | SS | GDESB02601 | mg/kg | Tin | 2.8 | U | No |
| GDE | SS | GDESB01301 | mg/kg | Tin | 2.6 | U | No |
| GDE | SS | GDESB02201 | mg/kg | Tin | 2.4 | U | No |
| GDE | SS | GDESB01701 | mg/kg | Tin | 2.3 | U | No |
| GDE | SS | GDESB00501 | mg/kg | Tin | 2.2 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Tin | 2.2 | U | No |
| GDE | SS | GDESB01201 | mg/kg | Tin | 2.1 | U | No |
| GDE | SS | GDESB00201 | mg/kg | Tin | 1.9 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Tin | 1.5 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Tin | 1.5 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Tin | 1.3 | U | No |
| GDE | SS | GDESB00701 | mg/kg | Vanadium | 60.1 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Vanadium | 53.9 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Vanadium | 41.7 | = | Yes |
| GDE | SS | GDESB00901a | mg/kg | Vanadium | 41.7 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Vanadium | 32.6 | = | Yes |
| GDE | SS | GDESB00301 | mg/kg | Vanadium | 29.2 | = | Yes |
| GDE | SS | GDESB01601 | mg/kg | Vanadium | 26.7 | = | Yes |
| GDE | SS | GDESB01001 | mg/kg | Vanadium | 25.9 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Vanadium | 25 | = | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Vanadium | 22.8 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Vanadium | 19 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Vanadium | 17.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02101 | mg/kg | Vanadium | 16.3 | = | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Vanadium | 16.3 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Vanadium | 15.5 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Vanadium | 13.7 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Vanadium | 11.3 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Vanadium | 9.5 | = | Yes |
| GDE | SS | GDESB01801 | mg/kg | Vanadium | 8.9 | = | Yes |
| GDE | SS | GDESB00601 | mg/kg | Vanadium | 8.8 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Vanadium | 8.6 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Vanadium | 8.5 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Vanadium | 8.1 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Vanadium | 7.6 | = | Yes |
| GDE | SS | GDESB02301 | mg/kg | Vanadium | 5.5 | = | Yes |
| GDE | SS | GDESW28D11 | mg/kg | Vanadium | 4.6 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Vanadium | 4.4 | J | Yes |
| GDE | SS | GDESB02401 | mg/kg | Vanadium | 3.9 | J | Yes |
| GDE | SS | GDESB02001 | mg/kg | Vanadium | 3.3 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Vanadium | 3.2 | J | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Vanadium | 3.1 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Vanadium | 2.5 | J | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Vanadium | 1.1 | = | Yes |
| GDE | SS | GDESB03001 | mg/kg | Vanadium | 8.1 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Vanadium | 7.6 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Vanadium | 3.9 | U | No |
| GDE | SS | GDESB02801 | mg/kg | Vanadium | 3.2 | U | No |
| GDE | SS | GDESB00301 | mg/kg | Zinc | 855 | J | Yes |
| GDE | SS | GDESB01001 | mg/kg | Zinc | 786 | = | Yes |
| GDE | SS | GDESB01501 | mg/kg | Zinc | 722 | J | Yes |
| GDE | SS | GDESB01801 | mg/kg | Zinc | 534 | = | Yes |
| GDE | SS | GDESB00801 | mg/kg | Zinc | 344 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB01601 | mg/kg | Zinc | 248 | = | Yes |
| GDE | SS | GDESB02501 | mg/kg | Zinc | 205 | J | Yes |
| GDE | SS | GDESB00701 | mg/kg | Zinc | 131 | = | Yes |
| GDE | SS | GDESB00101 | mg/kg | Zinc | 113 | J | Yes |
| GDE | SS | GDESB00901a | mg/kg | Zinc | 104 | = | Yes |
| GDE | SS | GDESB00901b | mg/kg | Zinc | 104 | = | Yes |
| GDE | SS | GDESB02201 | mg/kg | Zinc | 66.6 | = | Yes |
| GDE | SS | GDESB01301 | mg/kg | Zinc | 54.4 | = | Yes |
| GDE | SS | GDESB02001 | mg/kg | Zinc | 48.3 | J | Yes |
| GDE | SS | GDESB02301 | mg/kg | Zinc | 44.2 | = | Yes |
| GDE | SS | GDESB01901 | mg/kg | Zinc | 41.6 | = | Yes |
| GDE | SS | GDESB00201 | mg/kg | Zinc | 41.3 | J | Yes |
| GDE | SS | GDESW2D124 | mg/kg | Zinc | 38.1 | = | Yes |
| GDE | SS | GDESB01201 | mg/kg | Zinc | 35.5 | = | Yes |
| GDE | SS | GDESW29D15 | mg/kg | Zinc | 31.3 | = | Yes |
| GDE | SS | GDESB02101 | mg/kg | Zinc | 28.5 | = | Yes |
| GDE | SS | GDESB01101 | mg/kg | Zinc | 27.9 | J | Yes |
| GDE | SS | GDESB00401 | mg/kg | Zinc | 14.6 | = | Yes |
| GDE | SS | GDESB00501 | mg/kg | Zinc | 13.9 | J | Yes |
| GDE | SS | GDESB00601 | mg/kg | Zinc | 11.4 | J | Yes |
| GDE | SS | GDESW08D19 | mg/kg | Zinc | 10.7 | = | Yes |
| GDE | SS | GDESW19D54 | mg/kg | Zinc | 10.3 | = | Yes |
| GDE | SS | GDESB01701 | mg/kg | Zinc | 9.6 | = | Yes |
| GDE | SS | GDESB02401 | mg/kg | Zinc | 3.9 | = | Yes |
| GDE | SS | GDESW26D28 | mg/kg | Zinc | 3.6 | = | Yes |
| GDE | SS | GDESW20D55 | mg/kg | Zinc | 1.9 | = | Yes |
| GDE | SS | GDESB02601 | mg/kg | Zinc | 44.5 | U | No |
| GDE | SS | GDESB03001 | mg/kg | Zinc | 32.1 | U | No |
| GDE | SS | GDESB02701 | mg/kg | Zinc | 26.6 | U | No |
| GDE | SS | GDESB02901 | mg/kg | Zinc | 11 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SS | GDESB02801 | mg/kg | Zinc | 2.4 | U | No |
| GDE | SS | GDESW28D11 | mg/kg | Zinc | 1.3 | U | No |
| GDF | SS | GDFSB00301 | mg/kg | Aluminum | 19400 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Aluminum | 5880 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Aluminum | 4940 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Aluminum | 4120 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Aluminum | 3610 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Antimony | 0.71 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Antimony | 0.5 | J | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Antimony | 0.49 | UJ | No |
| GDF | SS | GDFSB00101 | mg/kg | Antimony | 0.33 | U | No |
| GDF | SS | GDFSB00201 | mg/kg | Antimony | 0.31 | UJ | No |
| GDF | SS | GDFSB00201 | mg/kg | Arsenic | 30.2 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Arsenic | 18.6 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Arsenic | 5.9 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Arsenic | 5.3 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Arsenic | 3 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Barium | 46.5 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Barium | 45.6 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Barium | 26.2 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Barium | 19 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Barium | 12.8 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Beryllium | 1.3 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Beryllium | 0.35 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Beryllium | 0.23 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Beryllium | 0.2 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Beryllium | 0.19 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Cadmium | 0.22 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Cadmium | 0.2 | J | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Cadmium | 0.14 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SS | GDFSB00101 | mg/kg | Cadmium | 0.12 | J | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Cadmium | 0.06 | U | No |
| GDF | SS | GDFSB00301 | mg/kg | Calcium | 15200 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Calcium | 7660 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Calcium | 5460 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Calcium | 3390 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Calcium | 2080 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Chromium, Total | 34.8 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Chromium, Total | 13.1 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Chromium, Total | 11.4 | J | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Chromium, Total | 7.8 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Chromium, Total | 6.3 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Cobalt | 36 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Cobalt | 1 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Cobalt | 1 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Cobalt | 0.94 | J | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Copper | 55.8 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Copper | 25.7 | J | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Copper | 18.4 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Copper | 13.2 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Copper | 5.7 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Iron | 28200 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Iron | 7500 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Iron | 6700 | J | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Iron | 4560 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Iron | 3570 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Lead | 231 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Lead | 71.8 | J | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Lead | 69.2 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SS | GDFSB00501 | mg/kg | Lead | 50.9 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Lead | 48.5 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Magnesium | 4000 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Magnesium | 569 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Magnesium | 566 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Magnesium | 494 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Magnesium | 323 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Manganese | 436 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Manganese | 79.7 | J | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Manganese | 38.3 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Manganese | 32.6 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Manganese | 31.8 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Mercury | 0.41 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Mercury | 0.29 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Mercury | 0.26 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Mercury | 0.12 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Mercury | 0.09 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Nickel | 16 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Nickel | 4.6 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Nickel | 2.4 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Nickel | 3.3 | U | No |
| GDF | SS | GDFSB00201 | mg/kg | Nickel | 3.1 | U | No |
| GDF | SS | GDFSB00301 | mg/kg | Potassium | 1580 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Potassium | 439 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Potassium | 219 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Potassium | 202 | J | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Potassium | 156 | U | No |
| GDF | SS | GDFSB00301 | mg/kg | Selenium | 0.95 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Selenium | 0.67 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Selenium | 0.56 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SS | GDFSB00201 | mg/kg | Selenium | 0.44 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Selenium | 0.33 | U | No |
| GDF | SS | GDFSB00301 | mg/kg | Silver | 5 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Silver | 0.21 | U | No |
| GDF | SS | GDFSB00501 | mg/kg | Silver | 0.21 | U | No |
| GDF | SS | GDFSB00401 | mg/kg | Silver | 0.21 | U | No |
| GDF | SS | GDFSB00201 | mg/kg | Silver | 0.2 | U | No |
| GDF | SS | GDFSB00101 | mg/kg | Sodium | 226 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Sodium | 576 | U | No |
| GDF | SS | GDFSB00401 | mg/kg | Sodium | 206 | U | No |
| GDF | SS | GDFSB00501 | mg/kg | Sodium | 190 | U | No |
| GDF | SS | GDFSB00201 | mg/kg | Sodium | 168 | U | No |
| GDF | SS | GDFSB00301 | mg/kg | Thallium | 0.55 | U | No |
| GDF | SS | GDFSB00501 | mg/kg | Thallium | 0.38 | U | No |
| GDF | SS | GDFSB00101 | mg/kg | Thallium | 0.38 | U | No |
| GDF | SS | GDFSB00401 | mg/kg | Thallium | 0.37 | U | No |
| GDF | SS | GDFSB00201 | mg/kg | Thallium | 0.35 | U | No |
| GDF | SS | GDFSB00501 | mg/kg | Tin | 21.7 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Tin | 3.3 | U | No |
| GDF | SS | GDFSB00401 | mg/kg | Tin | 2.8 | U | No |
| GDF | SS | GDFSB00201 | mg/kg | Tin | 2.1 | U | No |
| GDF | SS | GDFSB00101 | mg/kg | Tin | 1.6 | U | No |
| GDF | SS | GDFSB00301 | mg/kg | Vanadium | 60.4 | = | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Vanadium | 14.3 | = | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Vanadium | 13.9 | = | Yes |
| GDF | SS | GDFSB00201 | mg/kg | Vanadium | 9.4 | = | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Vanadium | 6.8 | = | Yes |
| GDF | SS | GDFSB00301 | mg/kg | Zinc | 202 | J | Yes |
| GDF | SS | GDFSB00401 | mg/kg | Zinc | 107 | J | Yes |
| GDF | SS | GDFSB00501 | mg/kg | Zinc | 103 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SS | GDFSB00201 | mg/kg | Zinc | 47.4 | J | Yes |
| GDF | SS | GDFSB00101 | mg/kg | Zinc | 32.7 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Aluminum | 17800 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Aluminum | 15000 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Aluminum | 13200 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Aluminum | 10600 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Aluminum | 8790 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Aluminum | 8130 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Aluminum | 5140 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Aluminum | 2870 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Aluminum | 2190 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Antimony | 5.7 | J | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Antimony | 2.7 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Antimony | 1.5 | J | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Antimony | 1.4 | J | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Antimony | 0.79 | J | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Antimony | 0.58 | U | No |
| GDG | SS | GDGSB00401 | mg/kg | Antimony | 0.53 | UJ | No |
| GDG | SS | GDGSB00601 | mg/kg | Antimony | 0.34 | U | No |
| GDG | SS | GDGSB00501 | mg/kg | Antimony | 0.34 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Arsenic | 25.2 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Arsenic | 23.6 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Arsenic | 16.6 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Arsenic | 10 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Arsenic | 9.9 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Arsenic | 8.8 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Arsenic | 8.6 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Arsenic | 3.1 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Arsenic | 3.1 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Barium | 129 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SS | GDGSB00701 | mg/kg | Barium | 79.7 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Barium | 58.8 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Barium | 51.1 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Barium | 50 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Barium | 30.8 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Barium | 27.4 | J | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Barium | 23.2 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Barium | 10.9 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Beryllium | 1.1 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Beryllium | 0.91 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Beryllium | 0.86 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Beryllium | 0.77 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Beryllium | 0.62 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Beryllium | 0.47 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Beryllium | 0.37 | U | No |
| GDG | SS | GDGSB00501 | mg/kg | Beryllium | 0.36 | U | No |
| GDG | SS | GDGSB00601 | mg/kg | Beryllium | 0.27 | U | No |
| GDG | SS | GDGSB00101 | mg/kg | Cadmium | 1.7 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Cadmium | 0.85 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Cadmium | 0.66 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Cadmium | 0.59 | J | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Cadmium | 0.55 | J | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Cadmium | 0.26 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Cadmium | 0.12 | J | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Cadmium | 0.05 | U | No |
| GDG | SS | GDGSB00501 | mg/kg | Cadmium | 0.05 | U | No |
| GDG | SS | GDGSB00401 | mg/kg | Calcium | 52300 | J | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Calcium | 37200 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Calcium | 28800 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Calcium | 23500 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SS | GDGSB00301 | mg/kg | Calcium | 18000 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Calcium | 17300 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Calcium | 12300 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Calcium | 12200 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Calcium | 8920 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Chromium, Total | 39.3 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Chromium, Total | 32.3 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Chromium, Total | 27.5 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Chromium, Total | 26.4 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Chromium, Total | 20.9 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Chromium, Total | 14.8 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Chromium, Total | 14.4 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Chromium, Total | 8.9 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Chromium, Total | 7 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Cobalt | 6.2 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Cobalt | 5.2 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Cobalt | 5.1 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Cobalt | 3.3 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Cobalt | 3 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Cobalt | 2.6 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Copper | 431 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Copper | 317 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Copper | 194 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Copper | 96.9 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Copper | 74.8 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Copper | 28.7 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Copper | 22.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SS | GDGSB00501 | mg/kg | Copper | 5.3 | U | No |
| GDG | SS | GDGSB00401 | mg/kg | Copper | 1.7 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Iron | 32700 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Iron | 21600 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Iron | 18200 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Iron | 15100 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Iron | 12600 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Iron | 11200 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Iron | 8750 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Iron | 6740 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Iron | 4300 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Lead | 275 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Lead | 106 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Lead | 103 | J | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Lead | 96.7 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Lead | 87.1 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Lead | 76.8 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Lead | 52.1 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Lead | 16.6 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Lead | 3.5 | J | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Magnesium | 5280 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Magnesium | 2850 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Magnesium | 2190 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Magnesium | 2110 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Magnesium | 1660 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Magnesium | 1340 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Magnesium | 1050 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Magnesium | 822 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Magnesium | 766 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Manganese | 359 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SS | GDGSB00701 | mg/kg | Manganese | 271 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Manganese | 254 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Manganese | 202 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Manganese | 137 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Manganese | 91.1 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Manganese | 56.9 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Manganese | 53.8 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Manganese | 38.5 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Mercury | 2 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Mercury | 0.89 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Mercury | 0.87 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Mercury | 0.41 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Mercury | 0.38 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Mercury | 0.21 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Mercury | 0.12 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Mercury | 0.06 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Mercury | 0.04 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Nickel | 26.5 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Nickel | 14.6 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Nickel | 14.1 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Nickel | 10.5 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Nickel | 9.3 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Nickel | 7.8 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Nickel | 4.3 | J | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Nickel | 3.2 | J | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Nickel | 2 | J | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Potassium | 1730 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Potassium | 1200 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Potassium | 1030 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Potassium | 968 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SS | GDGSB00201 | mg/kg | Potassium | 699 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Potassium | 656 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Potassium | 313 | J | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Potassium | 280 | J | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Potassium | 225 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Selenium | 1.4 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Selenium | 0.89 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Selenium | 0.87 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Selenium | 0.62 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Selenium | 0.5 | J | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Selenium | 0.45 | J | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Selenium | 0.72 | U | No |
| GDG | SS | GDGSB00801 | mg/kg | Selenium | 0.37 | U | No |
| GDG | SS | GDGSB00201 | mg/kg | Selenium | 0.36 | U | No |
| GDG | SS | GDGSB00101 | mg/kg | Silver | 0.28 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Silver | 0.24 | U | No |
| GDG | SS | GDGSB00701 | mg/kg | Silver | 0.24 | U | No |
| GDG | SS | GDGSB00201 | mg/kg | Silver | 0.24 | U | No |
| GDG | SS | GDGSB00801 | mg/kg | Silver | 0.23 | U | No |
| GDG | SS | GDGSB00401 | mg/kg | Silver | 0.23 | U | No |
| GDG | SS | GDGSB00901 | mg/kg | Silver | 0.22 | U | No |
| GDG | SS | GDGSB00501 | mg/kg | Silver | 0.22 | U | No |
| GDG | SS | GDGSB00601 | mg/kg | Silver | 0.21 | U | No |
| GDG | SS | GDGSB00901 | mg/kg | Sodium | 1150 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Sodium | 1070 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Sodium | 1060 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Sodium | 749 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Sodium | 394 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Sodium | 742 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Sodium | 608 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SS | GDGSB00501 | mg/kg | Sodium | 374 | U | No |
| GDG | SS | GDGSB00601 | mg/kg | Sodium | 268 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Thallium | 0.91 | J | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Thallium | 0.58 | J | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Thallium | 0.55 | J | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Thallium | 1.3 | U | No |
| GDG | SS | GDGSB00801 | mg/kg | Thallium | 0.69 | U | No |
| GDG | SS | GDGSB00901 | mg/kg | Thallium | 0.5 | U | No |
| GDG | SS | GDGSB00101 | mg/kg | Thallium | 0.41 | U | No |
| GDG | SS | GDGSB00401 | mg/kg | Thallium | 0.41 | U | No |
| GDG | SS | GDGSB00201 | mg/kg | Thallium | 0.36 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Tin | 26.4 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Tin | 4.3 | J | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Tin | 4 | J | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Tin | 2.6 | J | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Tin | 4.8 | U | No |
| GDG | SS | GDGSB00601 | mg/kg | Tin | 4.2 | U | No |
| GDG | SS | GDGSB00201 | mg/kg | Tin | 2.4 | U | No |
| GDG | SS | GDGSB00501 | mg/kg | Tin | 1.7 | U | No |
| GDG | SS | GDGSB00401 | mg/kg | Tin | 1.2 | U | No |
| GDG | SS | GDGSB00301 | mg/kg | Vanadium | 57 | = | Yes |
| GDG | SS | GDGSB00101 | mg/kg | Vanadium | 50.5 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Vanadium | 43.5 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Vanadium | 34.8 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Vanadium | 26.4 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Vanadium | 24.1 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Vanadium | 21.4 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Vanadium | 8.7 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Vanadium | 7.2 | = | Yes |
| GDG | SS | GDGSB00801 | mg/kg | Zinc | 1650 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SS | GDGSB00101 | mg/kg | Zinc | 920 | = | Yes |
| GDG | SS | GDGSB00301 | mg/kg | Zinc | 529 | = | Yes |
| GDG | SS | GDGSB00701 | mg/kg | Zinc | 232 | = | Yes |
| GDG | SS | GDGSB00901 | mg/kg | Zinc | 185 | = | Yes |
| GDG | SS | GDGSB00201 | mg/kg | Zinc | 103 | = | Yes |
| GDG | SS | GDGSB00601 | mg/kg | Zinc | 83.3 | = | Yes |
| GDG | SS | GDGSB00501 | mg/kg | Zinc | 17.7 | = | Yes |
| GDG | SS | GDGSB00401 | mg/kg | Zinc | 14.1 | U | No |
| GDH | SS | GDHSB04101 | mg/kg | Aluminum | 32700 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Aluminum | 29600 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Aluminum | 26600 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Aluminum | 23400 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Aluminum | 22300 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Aluminum | 20700 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Aluminum | 20200 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Aluminum | 20000 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Aluminum | 17700 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Aluminum | 17400 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Aluminum | 17100 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Aluminum | 16900 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Aluminum | 16200 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Aluminum | 15200 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Aluminum | 14900 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Aluminum | 14800 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Aluminum | 13400 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Aluminum | 12800 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Aluminum | 11700 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Aluminum | 11500 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Aluminum | 11300 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Aluminum | 11300 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08701 | mg/kg | Aluminum | 10800 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Aluminum | 10800 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Aluminum | 10600 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Aluminum | 10200 | J | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Aluminum | 10100 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Aluminum | 10100 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Aluminum | 9720 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Aluminum | 9390 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Aluminum | 9310 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Aluminum | 9290 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Aluminum | 9280 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Aluminum | 9210 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Aluminum | 9070 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Aluminum | 8670 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Aluminum | 8550 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Aluminum | 8510 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Aluminum | 8510 | J | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Aluminum | 8490 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Aluminum | 8420 | J | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Aluminum | 8180 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Aluminum | 7940 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Aluminum | 7900 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Aluminum | 7600 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Aluminum | 7260 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Aluminum | 6650 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Aluminum | 6520 | = | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Aluminum | 6470 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Aluminum | 6460 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Aluminum | 6350 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Aluminum | 6100 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB02801 | mg/kg | Aluminum | 6040 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Aluminum | 5960 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Aluminum | 5880 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Aluminum | 5850 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Aluminum | 5760 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Aluminum | 5710 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Aluminum | 5690 | J | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Aluminum | 5640 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Aluminum | 5640 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Aluminum | 5480 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Aluminum | 5360 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Aluminum | 5150 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Aluminum | 5060 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Aluminum | 5060 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Aluminum | 5000 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Aluminum | 4840 | J | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Aluminum | 4710 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Aluminum | 4630 | J | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Aluminum | 4630 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Aluminum | 4580 | = | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Aluminum | 4470 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Aluminum | 4420 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Aluminum | 4400 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Aluminum | 4330 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Aluminum | 4260 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Aluminum | 4240 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Aluminum | 4240 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Aluminum | 4030 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Aluminum | 3970 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Aluminum | 3810 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB01401 | mg/kg | Aluminum | 3550 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Aluminum | 3440 | = | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Aluminum | 3300 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Aluminum | 3240 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Aluminum | 3160 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Aluminum | 3070 | J | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Aluminum | 2840 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Aluminum | 2780 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Aluminum | 2640 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Aluminum | 2630 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Aluminum | 2560 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Aluminum | 2380 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Aluminum | 1610 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Aluminum | 1500 | J | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Aluminum | 1090 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Antimony | 2.2 | J | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Antimony | 1.9 | J | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Antimony | 1.7 | J | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Antimony | 1.5 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Antimony | 1.4 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Antimony | 1.1 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Antimony | 18.9 | U | No |
| GDH | SS | GDHSB08401 | mg/kg | Antimony | 15.9 | U | No |
| GDH | SS | GDHSB03701 | mg/kg | Antimony | 14.3 | U | No |
| GDH | SS | GDHSB08201 | mg/kg | Antimony | 13.6 | UJ | No |
| GDH | SS | GDHSB05001 | mg/kg | Antimony | 12.7 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Antimony | 12.2 | U | No |
| GDH | SS | GDHSB00401 | mg/kg | Antimony | 12.1 | U | No |
| GDH | SS | GDHSB05801 | mg/kg | Antimony | 11.8 | U | No |
| GDH | SS | GDHSB07701 | mg/kg | Antimony | 11.1 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08601 | mg/kg | Antimony | 10.7 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Antimony | 9.6 | U | No |
| GDH | SS | GDHSB08301 | mg/kg | Antimony | 9.2 | UJ | No |
| GDH | SS | GDHSB05701 | mg/kg | Antimony | 9.1 | U | No |
| GDH | SS | GDHSB07501 | mg/kg | Antimony | 8.9 | UJ | No |
| GDH | SS | GDHSB07601 | mg/kg | Antimony | 8.3 | UJ | No |
| GDH | SS | GDHSB07901 | mg/kg | Antimony | 8.2 | UJ | No |
| GDH | SS | GDHSB06501 | mg/kg | Antimony | 8.1 | U | No |
| GDH | SS | GDHSB07401 | mg/kg | Antimony | 8.1 | UJ | No |
| GDH | SS | GDHSB07801 | mg/kg | Antimony | 7.9 | UJ | No |
| GDH | SS | GDHSB08101 | mg/kg | Antimony | 6.8 | UJ | No |
| GDH | SS | GDHSB08001 | mg/kg | Antimony | 6.8 | UJ | No |
| GDH | SS | GDHSB09001 | mg/kg | Antimony | 2.3 | U | No |
| GDH | SS | GDHSB03501 | mg/kg | Antimony | 2.2 | U | No |
| GDH | SS | GDHSB04801 | mg/kg | Antimony | 2 | U | No |
| GDH | SS | GDHSB02701 | mg/kg | Antimony | 2 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Antimony | 1.9 | U | No |
| GDH | SS | GDHSB04901 | mg/kg | Antimony | 1.8 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Antimony | 1.8 | U | No |
| GDH | SS | GDHSB04101 | mg/kg | Antimony | 1.8 | U | No |
| GDH | SS | GDHSB03301 | mg/kg | Antimony | 1.7 | U | No |
| GDH | SS | GDHSB09201 | mg/kg | Antimony | 1.7 | UJ | No |
| GDH | SS | GDHSB06001 | mg/kg | Antimony | 1.6 | U | No |
| GDH | SS | GDHSB03901 | mg/kg | Antimony | 1.6 | U | No |
| GDH | SS | GDHSB07201 | mg/kg | Antimony | 1.6 | U | No |
| GDH | SS | GDHSB00301 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SS | GDHSB01901 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SS | GDHSB03201 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SS | GDHSB03601 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SS | GDHSB00701 | mg/kg | Antimony | 1.4 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB00801 | mg/kg | Antimony | 1.4 | U | No |
| GDH | SS | GDHSB01301 | mg/kg | Antimony | 1.4 | U | No |
| GDH | SS | GDHSB00901 | mg/kg | Antimony | 1.4 | U | No |
| GDH | SS | GDHSB04001 | mg/kg | Antimony | 1.4 | UJ | No |
| GDH | SS | GDHSB00101 | mg/kg | Antimony | 1.4 | UJ | No |
| GDH | SS | GDHSB00201 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB04301 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB02101 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB02401 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB03801 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB01501 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB04201 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB06201 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SS | GDHSB01101 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB05301 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB04701 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB04601 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB01201 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB10701 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB06801 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Antimony | 1.2 | UJ | No |
| GDH | SS | GDHSB02201 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB03401 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB10401 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB03101 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB05401 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Antimony | 1.2 | UJ | No |
| GDH | SS | GDHSB06101 | mg/kg | Antimony | 1.1 | UJ | No |
| GDH | SS | GDHSB05201 | mg/kg | Antimony | 1.1 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB02001 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SS | GDHSB07101 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SS | GDHSB10501 | mg/kg | Antimony | 1 | U | No |
| GDH | SS | GDHSB01801 | mg/kg | Antimony | 1 | U | No |
| GDH | SS | GDHSB01401 | mg/kg | Antimony | 1 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Antimony | 1 | U | No |
| GDH | SS | GDHSB01601 | mg/kg | Antimony | 1 | U | No |
| GDH | SS | GDHSB00501 | mg/kg | Antimony | 1 | U | No |
| GDH | SS | GDHSB06901 | mg/kg | Antimony | 0.99 | U | No |
| GDH | SS | GDHSB05501 | mg/kg | Antimony | 0.99 | U | No |
| GDH | SS | GDHSB02301 | mg/kg | Antimony | 0.97 | UJ | No |
| GDH | SS | GDHSB04501 | mg/kg | Antimony | 0.97 | U | No |
| GDH | SS | GDHSB05101 | mg/kg | Antimony | 0.95 | U | No |
| GDH | SS | GDHSB06701 | mg/kg | Antimony | 0.93 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Antimony | 0.9 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Antimony | 0.9 | U | No |
| GDH | SS | GDHSB04401 | mg/kg | Antimony | 0.85 | U | No |
| GDH | SS | GDHSB05601 | mg/kg | Antimony | 0.81 | U | No |
| GDH | SS | GDHSB07301 | mg/kg | Antimony | 0.8 | U | No |
| GDH | SS | GDHSB04101 | mg/kg | Arsenic | 18.4 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Arsenic | 17.6 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Arsenic | 17.2 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Arsenic | 15.7 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Arsenic | 15.3 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Arsenic | 14.8 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Arsenic | 14.4 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Arsenic | 13.7 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Arsenic | 13.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04801 | mg/kg | Arsenic | 13.2 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Arsenic | 11.8 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Arsenic | 11.3 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Arsenic | 11.3 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Arsenic | 10.1 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Arsenic | 9.8 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Arsenic | 9.8 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Arsenic | 9.7 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Arsenic | 9.6 | J | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Arsenic | 9.1 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Arsenic | 9 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Arsenic | 8.9 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Arsenic | 8.5 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Arsenic | 8.5 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Arsenic | 8.5 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Arsenic | 8.4 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Arsenic | 8.4 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Arsenic | 7.9 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Arsenic | 7.8 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Arsenic | 7.8 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Arsenic | 7.7 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Arsenic | 7.6 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Arsenic | 7.3 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Arsenic | 7.3 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Arsenic | 6.7 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Arsenic | 6.6 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Arsenic | 6.4 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Arsenic | 6.3 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Arsenic | 6.3 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Arsenic | 6.2 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB07601 | mg/kg | Arsenic | 6.2 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Arsenic | 5.9 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Arsenic | 5.9 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Arsenic | 5.7 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Arsenic | 5.7 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Arsenic | 5.7 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Arsenic | 5.5 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Arsenic | 5.4 | J | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Arsenic | 5.4 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Arsenic | 5.3 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Arsenic | 5.2 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Arsenic | 5.1 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Arsenic | 4.5 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Arsenic | 4.4 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Arsenic | 4.1 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Arsenic | 4 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Arsenic | 3.9 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Arsenic | 3.8 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Arsenic | 3.7 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Arsenic | 3.5 | J | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Arsenic | 3.5 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Arsenic | 3.4 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Arsenic | 3.3 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Arsenic | 3.2 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Arsenic | 2.9 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Arsenic | 2.8 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Arsenic | 2.8 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Arsenic | 2.6 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Arsenic | 2.6 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Arsenic | 2.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB01101 | mg/kg | Arsenic | 2.4 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Arsenic | 2.2 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Arsenic | 2.2 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Arsenic | 2.1 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Arsenic | 1.9 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Arsenic | 1.7 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Arsenic | 1.7 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Arsenic | 1.6 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Arsenic | 1.4 | J | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Arsenic | 1.3 | J | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Arsenic | 1.2 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Arsenic | 1.2 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Arsenic | 1.1 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Arsenic | 0.73 | J | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Arsenic | 0.64 | J | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Arsenic | 16.1 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Arsenic | 16 | U | No |
| GDH | SS | GDHSB08401 | mg/kg | Arsenic | 12.7 | U | No |
| GDH | SS | GDHSB08501 | mg/kg | Arsenic | 8 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Arsenic | 6.7 | U | No |
| GDH | SS | GDHSB02301 | mg/kg | Arsenic | 4.4 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Arsenic | 3.3 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Arsenic | 3 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Arsenic | 2.6 | U | No |
| GDH | SS | GDHSB02701 | mg/kg | Arsenic | 2.5 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Arsenic | 2.3 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Arsenic | 1.1 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Arsenic | 0.78 | U | No |
| GDH | SS | GDHSB06801 | mg/kg | Barium | 72.8 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Barium | 42.5 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04101 | mg/kg | Barium | 39.6 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Barium | 36.1 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Barium | 34 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Barium | 33.4 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Barium | 32.1 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Barium | 31.2 | J | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Barium | 29.9 | J | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Barium | 28.7 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Barium | 28.6 | J | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Barium | 27.3 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Barium | 26.9 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Barium | 26.7 | J | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Barium | 26.5 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Barium | 25.9 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Barium | 24.9 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Barium | 24.6 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Barium | 24.2 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Barium | 22.9 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Barium | 22.7 | J | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Barium | 22.5 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Barium | 21.3 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Barium | 21 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Barium | 19.1 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Barium | 18.9 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Barium | 18.8 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Barium | 18.2 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Barium | 18.1 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Barium | 18 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Barium | 17.3 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Barium | 17.3 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05901 | mg/kg | Barium | 17 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Barium | 17 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Barium | 17 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Barium | 17 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Barium | 16.2 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Barium | 16.2 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Barium | 16 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Barium | 15.3 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Barium | 15.2 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Barium | 14.9 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Barium | 14.9 | J | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Barium | 14.8 | J | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Barium | 14.7 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Barium | 14.5 | J | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Barium | 14.5 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Barium | 14.1 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Barium | 14 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Barium | 14 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Barium | 13.9 | J | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Barium | 13.6 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Barium | 13.2 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Barium | 12.6 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Barium | 12.2 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Barium | 12.2 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Barium | 11.5 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Barium | 11.5 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Barium | 11.4 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Barium | 11.4 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Barium | 11.3 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Barium | 10.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB07801 | mg/kg | Barium | 10.4 | J | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Barium | 10.3 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Barium | 10.3 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Barium | 10.1 | J | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Barium | 9.9 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Barium | 9.5 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Barium | 9.3 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Barium | 9 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Barium | 8.9 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Barium | 8.6 | J | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Barium | 8.4 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Barium | 7.8 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Barium | 7.6 | J | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Barium | 7.3 | J | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Barium | 6.8 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Barium | 6.5 | J | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Barium | 6.2 | J | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Barium | 6.2 | J | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Barium | 5.9 | J | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Barium | 5 | J | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Barium | 4.7 | J | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Barium | 4 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Barium | 3.6 | J | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Barium | 19.5 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Barium | 7.6 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Barium | 5.4 | U | No |
| GDH | SS | GDHSB08501 | mg/kg | Barium | 5.3 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Barium | 4.8 | U | No |
| GDH | SS | GDHSB10701 | mg/kg | Barium | 3.3 | U | No |
| GDH | SS | GDHSB03701 | mg/kg | Barium | 0.98 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05001 | mg/kg | Barium | 0.87 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Barium | 0.84 | U | No |
| GDH | SS | GDHSB00401 | mg/kg | Barium | 0.83 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Barium | 0.62 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Barium | 0.53 | U | No |
| GDH | SS | GDHSB04101 | mg/kg | Beryllium | 1.4 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Beryllium | 1.2 | J | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Beryllium | 1.2 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Beryllium | 1.2 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Beryllium | 1.1 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Beryllium | 1 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Beryllium | 1 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Beryllium | 0.84 | J | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Beryllium | 0.83 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Beryllium | 0.82 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Beryllium | 0.81 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Beryllium | 0.8 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Beryllium | 0.8 | J | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Beryllium | 0.79 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Beryllium | 0.74 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Beryllium | 0.72 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Beryllium | 0.71 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Beryllium | 0.7 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Beryllium | 0.69 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Beryllium | 0.63 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Beryllium | 0.59 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Beryllium | 0.58 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Beryllium | 0.56 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Beryllium | 0.54 | J | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Beryllium | 0.54 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08301 | mg/kg | Beryllium | 0.52 | J | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Beryllium | 0.5 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Beryllium | 0.5 | J | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Beryllium | 0.48 | J | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Beryllium | 0.47 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Beryllium | 0.47 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Beryllium | 0.46 | J | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Beryllium | 0.45 | J | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Beryllium | 0.45 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Beryllium | 0.44 | J | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Beryllium | 0.43 | J | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Beryllium | 0.42 | J | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Beryllium | 0.41 | J | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Beryllium | 0.4 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Beryllium | 0.39 | J | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Beryllium | 0.39 | J | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Beryllium | 0.39 | J | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Beryllium | 0.34 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Beryllium | 0.34 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Beryllium | 0.3 | J | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Beryllium | 0.29 | J | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Beryllium | 0.27 | J | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Beryllium | 0.27 | J | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Beryllium | 0.27 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Beryllium | 0.27 | J | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Beryllium | 0.26 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Beryllium | 0.26 | J | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Beryllium | 0.26 | J | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Beryllium | 0.25 | J | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Beryllium | 0.23 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06101 | mg/kg | Beryllium | 0.22 | J | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Beryllium | 0.22 | J | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Beryllium | 0.22 | J | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Beryllium | 0.21 | J | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Beryllium | 0.17 | J | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Beryllium | 0.17 | J | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Beryllium | 0.17 | J | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Beryllium | 0.16 | J | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Beryllium | 0.16 | J | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Beryllium | 0.15 | J | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Beryllium | 0.15 | J | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Beryllium | 0.14 | J | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Beryllium | 0.14 | J | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Beryllium | 0.14 | J | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Beryllium | 0.14 | J | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Beryllium | 0.13 | J | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Beryllium | 0.12 | J | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Beryllium | 0.12 | J | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Beryllium | 0.12 | J | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Beryllium | 0.12 | J | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Beryllium | 0.12 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Beryllium | 0.1 | J | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Beryllium | 0.09 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Beryllium | 0.09 | J | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Beryllium | 0.07 | J | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Beryllium | 0.06 | J | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Beryllium | 0.06 | J | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Beryllium | 0.06 | J | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Beryllium | 0.05 | J | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Beryllium | 0.04 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB09201 | mg/kg | Beryllium | 0.69 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Beryllium | 0.61 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Beryllium | 0.42 | U | No |
| GDH | SS | GDHSB03701 | mg/kg | Beryllium | 0.33 | U | No |
| GDH | SS | GDHSB05001 | mg/kg | Beryllium | 0.29 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Beryllium | 0.28 | U | No |
| GDH | SS | GDHSB05801 | mg/kg | Beryllium | 0.27 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Beryllium | 0.24 | U | No |
| GDH | SS | GDHSB07801 | mg/kg | Beryllium | 0.23 | U | No |
| GDH | SS | GDHSB08001 | mg/kg | Beryllium | 0.23 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Beryllium | 0.21 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Beryllium | 0.1 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Cadmium | 1.6 | J | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Cadmium | 1.4 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Cadmium | 1.2 | J | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Cadmium | 0.98 | J | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Cadmium | 0.35 | J | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Cadmium | 0.3 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Cadmium | 0.22 | J | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Cadmium | 0.22 | J | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Cadmium | 0.22 | J | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Cadmium | 0.21 | J | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Cadmium | 0.21 | J | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Cadmium | 0.19 | J | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Cadmium | 0.18 | J | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Cadmium | 0.18 | J | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Cadmium | 0.17 | J | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Cadmium | 0.16 | J | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Cadmium | 0.15 | J | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Cadmium | 0.14 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05201 | mg/kg | Cadmium | 0.14 | J | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Cadmium | 0.13 | J | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Cadmium | 0.12 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Cadmium | 2.5 | U | No |
| GDH | SS | GDHSB08401 | mg/kg | Cadmium | 2.1 | U | No |
| GDH | SS | GDHSB03701 | mg/kg | Cadmium | 1.7 | U | No |
| GDH | SS | GDHSB00401 | mg/kg | Cadmium | 1.5 | U | No |
| GDH | SS | GDHSB05001 | mg/kg | Cadmium | 1.5 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Cadmium | 1.5 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Cadmium | 1.4 | U | No |
| GDH | SS | GDHSB05801 | mg/kg | Cadmium | 1.4 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Cadmium | 1.3 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Cadmium | 1.1 | U | No |
| GDH | SS | GDHSB03301 | mg/kg | Cadmium | 1 | U | No |
| GDH | SS | GDHSB06501 | mg/kg | Cadmium | 0.99 | U | No |
| GDH | SS | GDHSB07701 | mg/kg | Cadmium | 0.82 | U | No |
| GDH | SS | GDHSB07401 | mg/kg | Cadmium | 0.81 | U | No |
| GDH | SS | GDHSB07501 | mg/kg | Cadmium | 0.8 | U | No |
| GDH | SS | GDHSB07601 | mg/kg | Cadmium | 0.74 | U | No |
| GDH | SS | GDHSB08201 | mg/kg | Cadmium | 0.74 | U | No |
| GDH | SS | GDHSB07801 | mg/kg | Cadmium | 0.69 | U | No |
| GDH | SS | GDHSB08001 | mg/kg | Cadmium | 0.68 | U | No |
| GDH | SS | GDHSB08101 | mg/kg | Cadmium | 0.68 | U | No |
| GDH | SS | GDHSB02701 | mg/kg | Cadmium | 0.63 | U | No |
| GDH | SS | GDHSB03201 | mg/kg | Cadmium | 0.3 | U | No |
| GDH | SS | GDHSB09001 | mg/kg | Cadmium | 0.3 | U | No |
| GDH | SS | GDHSB02401 | mg/kg | Cadmium | 0.27 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Cadmium | 0.25 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Cadmium | 0.25 | U | No |
| GDH | SS | GDHSB03501 | mg/kg | Cadmium | 0.24 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04801 | mg/kg | Cadmium | 0.24 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Cadmium | 0.23 | U | No |
| GDH | SS | GDHSB04901 | mg/kg | Cadmium | 0.22 | U | No |
| GDH | SS | GDHSB09201 | mg/kg | Cadmium | 0.22 | U | No |
| GDH | SS | GDHSB04101 | mg/kg | Cadmium | 0.21 | U | No |
| GDH | SS | GDHSB06001 | mg/kg | Cadmium | 0.2 | U | No |
| GDH | SS | GDHSB03101 | mg/kg | Cadmium | 0.2 | U | No |
| GDH | SS | GDHSB03901 | mg/kg | Cadmium | 0.2 | U | No |
| GDH | SS | GDHSB03601 | mg/kg | Cadmium | 0.19 | U | No |
| GDH | SS | GDHSB07201 | mg/kg | Cadmium | 0.19 | U | No |
| GDH | SS | GDHSB00101 | mg/kg | Cadmium | 0.18 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Cadmium | 0.18 | U | No |
| GDH | SS | GDHSB01901 | mg/kg | Cadmium | 0.18 | U | No |
| GDH | SS | GDHSB01001 | mg/kg | Cadmium | 0.18 | U | No |
| GDH | SS | GDHSB06401 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SS | GDHSB01701 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SS | GDHSB00901 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SS | GDHSB04001 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SS | GDHSB00801 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SS | GDHSB01301 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SS | GDHSB00701 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Cadmium | 0.16 | U | No |
| GDH | SS | GDHSB02101 | mg/kg | Cadmium | 0.16 | U | No |
| GDH | SS | GDHSB01201 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SS | GDHSB02201 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SS | GDHSB06201 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SS | GDHSB04201 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SS | GDHSB03401 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SS | GDHSB05301 | mg/kg | Cadmium | 0.15 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04601 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SS | GDHSB10401 | mg/kg | Cadmium | 0.15 | UJ | No |
| GDH | SS | GDHSB02001 | mg/kg | Cadmium | 0.14 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Cadmium | 0.14 | U | No |
| GDH | SS | GDHSB10701 | mg/kg | Cadmium | 0.14 | UJ | No |
| GDH | SS | GDHSB04701 | mg/kg | Cadmium | 0.14 | U | No |
| GDH | SS | GDHSB06601 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SS | GDHSB07101 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SS | GDHSB01601 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SS | GDHSB00601 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SS | GDHSB01801 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SS | GDHSB05101 | mg/kg | Cadmium | 0.12 | U | No |
| GDH | SS | GDHSB06901 | mg/kg | Cadmium | 0.12 | U | No |
| GDH | SS | GDHSB04501 | mg/kg | Cadmium | 0.12 | U | No |
| GDH | SS | GDHSB05901 | mg/kg | Cadmium | 0.1 | U | No |
| GDH | SS | GDHSB07301 | mg/kg | Cadmium | 0.1 | U | No |
| GDH | SS | GDHSB04401 | mg/kg | Cadmium | 0.1 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Calcium | 333000 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Calcium | 280000 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Calcium | 264000 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Calcium | 223000 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Calcium | 208000 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Calcium | 177000 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Calcium | 174000 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Calcium | 160000 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Calcium | 159000 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Calcium | 154000 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Calcium | 150000 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08401 | mg/kg | Calcium | 148000 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Calcium | 141000 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Calcium | 109000 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Calcium | 108000 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Calcium | 103000 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Calcium | 97700 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Calcium | 94800 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Calcium | 83000 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Calcium | 82500 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Calcium | 82300 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Calcium | 71900 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Calcium | 66200 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Calcium | 63400 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Calcium | 62300 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Calcium | 62000 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Calcium | 61600 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Calcium | 60800 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Calcium | 52400 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Calcium | 48200 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Calcium | 47500 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Calcium | 45800 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Calcium | 45200 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Calcium | 43300 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Calcium | 41600 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Calcium | 38700 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Calcium | 37900 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Calcium | 35800 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Calcium | 35400 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Calcium | 35300 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Calcium | 35000 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB10501 | mg/kg | Calcium | 33000 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Calcium | 32700 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Calcium | 31700 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Calcium | 28700 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Calcium | 28500 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Calcium | 28300 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Calcium | 27200 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Calcium | 26200 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Calcium | 26100 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Calcium | 24700 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Calcium | 24600 | = | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Calcium | 23600 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Calcium | 23600 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Calcium | 23200 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Calcium | 21500 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Calcium | 21300 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Calcium | 20200 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Calcium | 20100 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Calcium | 18200 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Calcium | 17000 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Calcium | 16600 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Calcium | 15700 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Calcium | 15500 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Calcium | 15300 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Calcium | 13600 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Calcium | 13500 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Calcium | 12800 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Calcium | 12500 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Calcium | 11400 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Calcium | 10500 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB02101 | mg/kg | Calcium | 9620 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Calcium | 9460 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Calcium | 8960 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Calcium | 8750 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Calcium | 8040 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Calcium | 7850 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Calcium | 7450 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Calcium | 7440 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Calcium | 6940 | = | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Calcium | 6870 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Calcium | 6710 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Calcium | 6620 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Calcium | 5150 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Calcium | 5000 | = | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Calcium | 4160 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Calcium | 4020 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Calcium | 3740 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Calcium | 2900 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Calcium | 2730 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Calcium | 1950 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Calcium | 1900 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Calcium | 1460 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Calcium | 1220 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Calcium | 1170 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Calcium | 1070 | = | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Calcium | 169 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Chromium, Total | 114 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Chromium, Total | 107 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Chromium, Total | 87.6 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Chromium, Total | 65.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08501 | mg/kg | Chromium, Total | 63.8 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Chromium, Total | 63.5 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Chromium, Total | 61.8 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Chromium, Total | 57 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Chromium, Total | 56.9 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Chromium, Total | 55.5 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Chromium, Total | 54.3 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Chromium, Total | 53.9 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Chromium, Total | 53 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Chromium, Total | 51.7 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Chromium, Total | 48.5 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Chromium, Total | 47.4 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Chromium, Total | 45.1 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Chromium, Total | 40.2 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Chromium, Total | 39.3 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Chromium, Total | 38.9 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Chromium, Total | 37.9 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Chromium, Total | 36.4 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Chromium, Total | 35.2 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Chromium, Total | 35 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Chromium, Total | 33.8 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Chromium, Total | 33.3 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Chromium, Total | 33.2 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Chromium, Total | 32.8 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Chromium, Total | 32.4 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Chromium, Total | 31.3 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Chromium, Total | 30.8 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Chromium, Total | 27.9 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Chromium, Total | 27.8 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Chromium, Total | 27.2 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB00701 | mg/kg | Chromium, Total | 27.1 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Chromium, Total | 27 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Chromium, Total | 27 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Chromium, Total | 25.8 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Chromium, Total | 24.9 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Chromium, Total | 24.4 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Chromium, Total | 24.4 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Chromium, Total | 24.3 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Chromium, Total | 23.3 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Chromium, Total | 23.2 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Chromium, Total | 22.9 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Chromium, Total | 22.2 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Chromium, Total | 21.6 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Chromium, Total | 21.3 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Chromium, Total | 21 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Chromium, Total | 20.8 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Chromium, Total | 20.3 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Chromium, Total | 20.1 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Chromium, Total | 19.9 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Chromium, Total | 19.5 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Chromium, Total | 19 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Chromium, Total | 18.8 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Chromium, Total | 18.4 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Chromium, Total | 18.3 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Chromium, Total | 17.8 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Chromium, Total | 17.8 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Chromium, Total | 17.5 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Chromium, Total | 17.4 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Chromium, Total | 17.2 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Chromium, Total | 16.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06101 | mg/kg | Chromium, Total | 15.8 | J | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Chromium, Total | 15.5 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Chromium, Total | 15 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Chromium, Total | 14.9 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Chromium, Total | 14.6 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Chromium, Total | 13.6 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Chromium, Total | 13.5 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Chromium, Total | 13.4 | = | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Chromium, Total | 13.1 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Chromium, Total | 12.7 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Chromium, Total | 12.5 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Chromium, Total | 12.2 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Chromium, Total | 11.4 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Chromium, Total | 11.1 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Chromium, Total | 10.2 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Chromium, Total | 9.9 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Chromium, Total | 9.9 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Chromium, Total | 9.7 | = | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Chromium, Total | 9.2 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Chromium, Total | 8.8 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Chromium, Total | 8.6 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Chromium, Total | 8.6 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Chromium, Total | 8.3 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Chromium, Total | 7.8 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Chromium, Total | 7 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Chromium, Total | 5.9 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Chromium, Total | 5.8 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Chromium, Total | 5.8 | J | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Chromium, Total | 5.5 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Chromium, Total | 4.9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB10701 | mg/kg | Chromium, Total | 4.8 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Chromium, Total | 3.4 | = | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Chromium, Total | 4.6 | U | No |
| GDH | SS | GDHSB04101 | mg/kg | Cobalt | 7.9 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Cobalt | 7.7 | J | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Cobalt | 5.8 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Cobalt | 5.7 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Cobalt | 5.5 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Cobalt | 5 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Cobalt | 4.8 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Cobalt | 4.3 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Cobalt | 4.2 | J | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Cobalt | 4.2 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Cobalt | 4.2 | J | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Cobalt | 3.8 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Cobalt | 3.7 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Cobalt | 3.6 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Cobalt | 3.5 | J | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Cobalt | 3.5 | J | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Cobalt | 3.4 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Cobalt | 3.1 | J | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Cobalt | 3.1 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Cobalt | 2.9 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Cobalt | 2.6 | J | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Cobalt | 2.5 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Cobalt | 2.5 | J | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Cobalt | 2.5 | J | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Cobalt | 2.4 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08201 | mg/kg | Cobalt | 2.3 | J | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Cobalt | 2 | J | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Cobalt | 2 | J | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Cobalt | 2 | J | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Cobalt | 2 | J | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Cobalt | 1.9 | J | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Cobalt | 1.9 | J | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Cobalt | 1.8 | J | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Cobalt | 1.8 | J | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Cobalt | 1.8 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Cobalt | 1.5 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Cobalt | 1.5 | J | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Cobalt | 1.4 | J | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Cobalt | 1.3 | J | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Cobalt | 1.3 | J | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Cobalt | 1.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB01401 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Cobalt | 1 | J | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Cobalt | 1 | J | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Cobalt | 1 | J | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Cobalt | 1 | J | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Cobalt | 0.94 | J | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Cobalt | 0.91 | J | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Cobalt | 0.9 | J | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Cobalt | 0.76 | J | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Cobalt | 0.75 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Cobalt | 0.75 | J | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Cobalt | 0.7 | J | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Cobalt | 0.67 | J | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Cobalt | 0.51 | J | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Cobalt | 0.49 | J | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Cobalt | 6.6 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Cobalt | 5 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Cobalt | 4.1 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Cobalt | 3.9 | U | No |
| GDH | SS | GDHSB09201 | mg/kg | Cobalt | 3.8 | U | No |
| GDH | SS | GDHSB03701 | mg/kg | Cobalt | 3.1 | U | No |
| GDH | SS | GDHSB08501 | mg/kg | Cobalt | 2.8 | U | No |
| GDH | SS | GDHSB05001 | mg/kg | Cobalt | 2.7 | U | No |
| GDH | SS | GDHSB00401 | mg/kg | Cobalt | 2.6 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Cobalt | 2.6 | U | No |
| GDH | SS | GDHSB03301 | mg/kg | Cobalt | 2.6 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Cobalt | 2.3 | U | No |
| GDH | SS | GDHSB02401 | mg/kg | Cobalt | 2.2 | U | No |
| GDH | SS | GDHSB03101 | mg/kg | Cobalt | 1.8 | U | No |
| GDH | SS | GDHSB10501 | mg/kg | Cobalt | 1.5 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB09101 | mg/kg | Cobalt | 1.4 | U | No |
| GDH | SS | GDHSB02701 | mg/kg | Cobalt | 1.4 | U | No |
| GDH | SS | GDHSB10701 | mg/kg | Cobalt | 1.4 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Cobalt | 1.1 | U | No |
| GDH | SS | GDHSB10401 | mg/kg | Cobalt | 1.1 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Cobalt | 0.99 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Cobalt | 0.92 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Cobalt | 0.72 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Cobalt | 0.52 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Cobalt | 0.45 | U | No |
| GDH | SS | GDHSB07501 | mg/kg | Copper | 126 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Copper | 68.7 | J | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Copper | 68.1 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Copper | 35.8 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Copper | 34.5 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Copper | 25.4 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Copper | 23.9 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Copper | 23.8 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Copper | 23.4 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Copper | 23.2 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Copper | 23.1 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Copper | 22.5 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Copper | 20.7 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Copper | 20.1 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Copper | 19.1 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Copper | 19 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Copper | 17.8 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Copper | 17.4 | J | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Copper | 17 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Copper | 16.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB03601 | mg/kg | Copper | 16.6 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Copper | 16.2 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Copper | 15.1 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Copper | 14.9 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Copper | 14.8 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Copper | 14.3 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Copper | 14.1 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Copper | 13.3 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Copper | 13 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Copper | 12.7 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Copper | 12.7 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Copper | 12.6 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Copper | 11.9 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Copper | 11.6 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Copper | 11.4 | J | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Copper | 11.1 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Copper | 11.1 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Copper | 10.3 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Copper | 10.3 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Copper | 10.1 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Copper | 9.7 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Copper | 9.4 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Copper | 9.2 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Copper | 9.2 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Copper | 8.5 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Copper | 8.2 | J | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Copper | 8.2 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Copper | 8.2 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Copper | 7.9 | J | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Copper | 7.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB01601 | mg/kg | Copper | 7.4 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Copper | 7 | J | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Copper | 7 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Copper | 6.6 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Copper | 6.5 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Copper | 6.4 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Copper | 6.4 | J | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Copper | 6.3 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Copper | 6 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Copper | 6 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Copper | 5.4 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Copper | 5.2 | J | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Copper | 5.1 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Copper | 4.7 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Copper | 4.7 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Copper | 4.6 | J | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Copper | 4.6 | J | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Copper | 4 | J | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Copper | 3.7 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Copper | 3.4 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Copper | 3.1 | J | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Copper | 3 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Copper | 2.9 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Copper | 2.7 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Copper | 2.6 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Copper | 1.9 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Copper | 1.3 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Copper | 1.1 | J | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Copper | 1.1 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Copper | 1.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB07301 | mg/kg | Copper | 0.97 | J | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Copper | 0.94 | J | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Copper | 20.7 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Copper | 16.2 | U | No |
| GDH | SS | GDHSB09201 | mg/kg | Copper | 12.9 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Copper | 10.2 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Copper | 10.1 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Copper | 5.5 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Copper | 5.4 | U | No |
| GDH | SS | GDHSB02301 | mg/kg | Copper | 5.3 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Copper | 5.2 | U | No |
| GDH | SS | GDHSB03101 | mg/kg | Copper | 4.4 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Copper | 3.6 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Copper | 3 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Copper | 2.6 | U | No |
| GDH | SS | GDHSB05301 | mg/kg | Copper | 2.4 | U | No |
| GDH | SS | GDHSB10701 | mg/kg | Copper | 0.55 | UJ | No |
| GDH | SS | GDHSB04101 | mg/kg | Iron | 38800 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Iron | 36700 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Iron | 32200 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Iron | 31800 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Iron | 30900 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Iron | 30300 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Iron | 28100 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Iron | 26400 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Iron | 25500 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Iron | 23700 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Iron | 19700 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Iron | 19400 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Iron | 19200 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06301 | mg/kg | Iron | 19100 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Iron | 18000 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Iron | 17500 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Iron | 17100 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Iron | 16600 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Iron | 16500 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Iron | 15000 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Iron | 14600 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Iron | 14500 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Iron | 12300 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Iron | 12000 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Iron | 11900 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Iron | 11500 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Iron | 10600 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Iron | 10600 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Iron | 9680 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Iron | 9090 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Iron | 8640 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Iron | 8610 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Iron | 8130 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Iron | 8100 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Iron | 7960 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Iron | 7940 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Iron | 7830 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Iron | 7760 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Iron | 7730 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Iron | 7670 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Iron | 7460 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Iron | 7340 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Iron | 7080 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB01501 | mg/kg | Iron | 6830 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Iron | 6780 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Iron | 6740 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Iron | 6530 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Iron | 6150 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Iron | 5970 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Iron | 5900 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Iron | 5880 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Iron | 5840 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Iron | 5780 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Iron | 5630 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Iron | 5540 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Iron | 5470 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Iron | 5450 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Iron | 5390 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Iron | 5130 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Iron | 4980 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Iron | 4830 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Iron | 4820 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Iron | 4800 | J | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Iron | 4480 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Iron | 4330 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Iron | 4150 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Iron | 4150 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Iron | 4140 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Iron | 4000 | = | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Iron | 3880 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Iron | 3880 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Iron | 3770 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Iron | 3700 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB00601 | mg/kg | Iron | 3530 | = | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Iron | 3400 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Iron | 3400 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Iron | 3330 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Iron | 3270 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Iron | 3250 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Iron | 3230 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Iron | 3170 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Iron | 3120 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Iron | 2990 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Iron | 2910 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Iron | 2880 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Iron | 2780 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Iron | 2620 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Iron | 2540 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Iron | 2510 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Iron | 2500 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Iron | 2340 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Iron | 2080 | = | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Iron | 1910 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Iron | 1850 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Iron | 1810 | = | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Iron | 1350 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Iron | 695 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Lead | 172 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Lead | 151 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Lead | 109 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Lead | 89.7 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Lead | 79.8 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Lead | 78.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06701 | mg/kg | Lead | 77.1 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Lead | 74 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Lead | 70.5 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Lead | 69.6 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Lead | 69.5 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Lead | 63.8 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Lead | 53.3 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Lead | 47.8 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Lead | 47 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Lead | 45.9 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Lead | 42.7 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Lead | 41.3 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Lead | 41.3 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Lead | 40.3 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Lead | 37.4 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Lead | 36.2 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Lead | 35.3 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Lead | 35 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Lead | 33.6 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Lead | 31.1 | J | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Lead | 29.2 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Lead | 29.2 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Lead | 28.4 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Lead | 27.5 | J | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Lead | 26.3 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Lead | 26.3 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Lead | 26.2 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Lead | 25 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Lead | 24.6 | J | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Lead | 24.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05601 | mg/kg | Lead | 24 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Lead | 23.7 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Lead | 22.9 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Lead | 21.2 | J | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Lead | 21.1 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Lead | 20.6 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Lead | 20.3 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Lead | 20.3 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Lead | 19.8 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Lead | 19.6 | J | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Lead | 19.5 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Lead | 18.8 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Lead | 17.9 | J | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Lead | 17.3 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Lead | 16.8 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Lead | 16.1 | J | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Lead | 15.8 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Lead | 15.7 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Lead | 14.4 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Lead | 13.7 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Lead | 13.1 | = | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Lead | 12.6 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Lead | 12.6 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Lead | 12 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Lead | 11.7 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Lead | 11.5 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Lead | 11.4 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Lead | 11.3 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Lead | 10.9 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Lead | 9.3 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08101 | mg/kg | Lead | 9.2 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Lead | 8.7 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Lead | 7.6 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Lead | 7.4 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Lead | 7.2 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Lead | 6.3 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Lead | 5.7 | = | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Lead | 4.9 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Lead | 4.6 | J | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Lead | 4.5 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Lead | 4.4 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Lead | 4.4 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Lead | 4.3 | J | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Lead | 2.4 | J | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Lead | 2.3 | J | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Lead | 1.8 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Lead | 32.3 | U | No |
| GDH | SS | GDHSB08401 | mg/kg | Lead | 27.2 | U | No |
| GDH | SS | GDHSB01801 | mg/kg | Lead | 24.4 | U | No |
| GDH | SS | GDHSB01701 | mg/kg | Lead | 23.2 | U | No |
| GDH | SS | GDHSB02101 | mg/kg | Lead | 22 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Lead | 21 | UJ | No |
| GDH | SS | GDHSB05001 | mg/kg | Lead | 16.3 | U | No |
| GDH | SS | GDHSB00401 | mg/kg | Lead | 15.6 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Lead | 11.7 | U | No |
| GDH | SS | GDHSB01901 | mg/kg | Lead | 11.3 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Lead | 8.7 | UJ | No |
| GDH | SS | GDHSB09101 | mg/kg | Lead | 8.2 | U | No |
| GDH | SS | GDHSB02001 | mg/kg | Lead | 7.2 | U | No |
| GDH | SS | GDHSB04201 | mg/kg | Lead | 1.6 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08601 | mg/kg | Lead | 1.6 | UJ | No |
| GDH | SS | GDHSB08701 | mg/kg | Magnesium | 7850 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Magnesium | 6210 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Magnesium | 6000 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Magnesium | 5960 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Magnesium | 5370 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Magnesium | 5310 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Magnesium | 4930 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Magnesium | 4780 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Magnesium | 4660 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Magnesium | 4570 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Magnesium | 4370 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Magnesium | 3810 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Magnesium | 3750 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Magnesium | 3680 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Magnesium | 3470 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Magnesium | 3450 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Magnesium | 3410 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Magnesium | 3390 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Magnesium | 3330 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Magnesium | 3330 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Magnesium | 3320 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Magnesium | 3320 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Magnesium | 3220 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Magnesium | 3210 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Magnesium | 3150 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Magnesium | 2990 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Magnesium | 2980 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Magnesium | 2950 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Magnesium | 2910 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB07501 | mg/kg | Magnesium | 2890 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Magnesium | 2850 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Magnesium | 2840 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Magnesium | 2840 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Magnesium | 2830 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Magnesium | 2710 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Magnesium | 2600 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Magnesium | 2570 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Magnesium | 2560 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Magnesium | 2330 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Magnesium | 2270 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Magnesium | 2230 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Magnesium | 2230 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Magnesium | 1920 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Magnesium | 1920 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Magnesium | 1790 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Magnesium | 1680 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Magnesium | 1600 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Magnesium | 1550 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Magnesium | 1480 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Magnesium | 1410 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Magnesium | 1340 | J | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Magnesium | 1330 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Magnesium | 1290 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Magnesium | 1270 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Magnesium | 1250 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Magnesium | 1230 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Magnesium | 1060 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Magnesium | 967 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Magnesium | 943 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06801 | mg/kg | Magnesium | 919 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Magnesium | 888 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Magnesium | 868 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Magnesium | 855 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Magnesium | 843 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Magnesium | 828 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Magnesium | 810 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Magnesium | 752 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Magnesium | 722 | = | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Magnesium | 717 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Magnesium | 712 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Magnesium | 707 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Magnesium | 677 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Magnesium | 632 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Magnesium | 616 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Magnesium | 607 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Magnesium | 593 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Magnesium | 585 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Magnesium | 559 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Magnesium | 551 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Magnesium | 490 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Magnesium | 468 | = | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Magnesium | 463 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Magnesium | 442 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Magnesium | 432 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Magnesium | 422 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Magnesium | 388 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Magnesium | 358 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Magnesium | 323 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Magnesium | 298 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB03001 | mg/kg | Magnesium | 287 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Magnesium | 237 | = | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Magnesium | 184 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Magnesium | 163 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Magnesium | 144 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Magnesium | 134 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Magnesium | 132 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Magnesium | 131 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Manganese | 1200 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Manganese | 983 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Manganese | 597 | J | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Manganese | 589 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Manganese | 518 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Manganese | 448 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Manganese | 444 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Manganese | 403 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Manganese | 401 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Manganese | 388 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Manganese | 376 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Manganese | 316 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Manganese | 284 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Manganese | 282 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Manganese | 281 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Manganese | 281 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Manganese | 275 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Manganese | 268 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Manganese | 254 | J | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Manganese | 243 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Manganese | 239 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Manganese | 228 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08401 | mg/kg | Manganese | 195 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Manganese | 195 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Manganese | 178 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Manganese | 177 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Manganese | 175 | J | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Manganese | 166 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Manganese | 155 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Manganese | 143 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Manganese | 142 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Manganese | 135 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Manganese | 128 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Manganese | 127 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Manganese | 124 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Manganese | 109 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Manganese | 107 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Manganese | 97.5 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Manganese | 87.9 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Manganese | 86.6 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Manganese | 86.4 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Manganese | 85.9 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Manganese | 85.7 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Manganese | 82 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Manganese | 79.9 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Manganese | 77.2 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Manganese | 74 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Manganese | 74 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Manganese | 69.2 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Manganese | 66.5 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Manganese | 62.8 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Manganese | 57 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB00901 | mg/kg | Manganese | 56.7 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Manganese | 55.8 | J | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Manganese | 53.6 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Manganese | 53.2 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Manganese | 51.1 | J | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Manganese | 51 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Manganese | 49.9 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Manganese | 49.5 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Manganese | 49.1 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Manganese | 47.4 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Manganese | 46.7 | J | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Manganese | 44.1 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Manganese | 43.4 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Manganese | 42.6 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Manganese | 41.9 | J | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Manganese | 40 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Manganese | 39.5 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Manganese | 37.7 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Manganese | 36.9 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Manganese | 36.4 | J | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Manganese | 36.1 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Manganese | 33.2 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Manganese | 31.8 | = | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Manganese | 31.7 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Manganese | 28.4 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Manganese | 27.5 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Manganese | 26.9 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Manganese | 26.2 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Manganese | 25.4 | J | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Manganese | 24.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB02101 | mg/kg | Manganese | 22.5 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Manganese | 21.4 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Manganese | 20.3 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Manganese | 19.6 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Manganese | 19.5 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Manganese | 16 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Manganese | 14.7 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Manganese | 14.1 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Manganese | 13.3 | = | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Manganese | 13.1 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Manganese | 13 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Manganese | 9.7 | = | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Manganese | 5.8 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Manganese | 5.6 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Manganese | 5.3 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Mercury | 3.8 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Mercury | 2.4 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Mercury | 1.6 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Mercury | 0.83 | J | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Mercury | 0.75 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Mercury | 0.6 | J | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Mercury | 0.51 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Mercury | 0.41 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Mercury | 0.37 | J | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Mercury | 0.34 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Mercury | 0.26 | J | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Mercury | 0.25 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Mercury | 0.25 | J | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Mercury | 0.25 | J | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Mercury | 0.23 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04101 | mg/kg | Mercury | 0.21 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Mercury | 0.21 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Mercury | 0.19 | J | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Mercury | 0.17 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Mercury | 0.17 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Mercury | 0.16 | J | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Mercury | 0.16 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Mercury | 0.16 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Mercury | 0.15 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Mercury | 0.15 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Mercury | 0.11 | J | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Mercury | 0.11 | J | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Mercury | 0.1 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Mercury | 0.09 | J | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Mercury | 0.09 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Mercury | 0.09 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Mercury | 0.09 | J | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Mercury | 0.09 | J | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Mercury | 0.09 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Mercury | 0.09 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Mercury | 0.08 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Mercury | 0.07 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Mercury | 0.06 | J | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Mercury | 0.06 | J | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Mercury | 0.06 | J | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Mercury | 0.06 | J | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Mercury | 0.06 | J | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Mercury | 0.06 | J | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Mercury | 0.05 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Mercury | 0.05 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06801 | mg/kg | Mercury | 0.05 | J | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Mercury | 0.05 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Mercury | 0.05 | J | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Mercury | 0.05 | J | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Mercury | 0.05 | J | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Mercury | 0.05 | J | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Mercury | 0.05 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Mercury | 0.03 | J | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Mercury | 0.03 | J | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Mercury | 0.03 | J | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Mercury | 0.03 | J | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Mercury | 0.25 | U | No |
| GDH | SS | GDHSB01901 | mg/kg | Mercury | 0.23 | U | No |
| GDH | SS | GDHSB10701 | mg/kg | Mercury | 0.19 | U | No |
| GDH | SS | GDHSB07701 | mg/kg | Mercury | 0.14 | U | No |
| GDH | SS | GDHSB07501 | mg/kg | Mercury | 0.13 | U | No |
| GDH | SS | GDHSB07401 | mg/kg | Mercury | 0.13 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08201 | mg/kg | Mercury | 0.12 | U | No |
| GDH | SS | GDHSB07601 | mg/kg | Mercury | 0.12 | U | No |
| GDH | SS | GDHSB08101 | mg/kg | Mercury | 0.11 | U | No |
| GDH | SS | GDHSB08001 | mg/kg | Mercury | 0.11 | U | No |
| GDH | SS | GDHSB08301 | mg/kg | Mercury | 0.11 | U | No |
| GDH | SS | GDHSB04301 | mg/kg | Mercury | 0.05 | U | No |
| GDH | SS | GDHSB06401 | mg/kg | Mercury | 0.04 | U | No |
| GDH | SS | GDHSB04201 | mg/kg | Mercury | 0.04 | U | No |
| GDH | SS | GDHSB04001 | mg/kg | Mercury | 0.04 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB08401 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB08501 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB04401 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB10501 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB03101 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SS | GDHSB05301 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SS | GDHSB07101 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SS | GDHSB06901 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SS | GDHSB07301 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Nickel | 91.8 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Nickel | 80.8 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Nickel | 39.9 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Nickel | 29.6 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Nickel | 29.2 | J | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Nickel | 21.3 | J | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Nickel | 21.1 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Nickel | 19.4 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04101 | mg/kg | Nickel | 18.4 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Nickel | 17.1 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Nickel | 17.1 | J | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Nickel | 17.1 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Nickel | 16.1 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Nickel | 13.9 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Nickel | 13.9 | J | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Nickel | 13.7 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Nickel | 13.5 | J | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Nickel | 12.9 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Nickel | 12.7 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Nickel | 12.4 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Nickel | 12.3 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Nickel | 11.7 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Nickel | 11.7 | J | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Nickel | 11.7 | J | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Nickel | 11.6 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Nickel | 11.3 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Nickel | 11 | J | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Nickel | 10.6 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Nickel | 10.5 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Nickel | 10.3 | J | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Nickel | 10 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Nickel | 9.9 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Nickel | 9.7 | J | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Nickel | 8.9 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Nickel | 8.7 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Nickel | 8.7 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Nickel | 8.6 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Nickel | 8.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB03301 | mg/kg | Nickel | 8.3 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Nickel | 8.2 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Nickel | 8.1 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Nickel | 7.9 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Nickel | 7.9 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Nickel | 7.8 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Nickel | 7.7 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Nickel | 7.6 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Nickel | 7.6 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Nickel | 7.5 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Nickel | 7.4 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Nickel | 7.2 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Nickel | 7.2 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Nickel | 6.9 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Nickel | 6.9 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Nickel | 6.8 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Nickel | 6.6 | J | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Nickel | 6.2 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Nickel | 6.2 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Nickel | 6.1 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Nickel | 5.9 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Nickel | 5.6 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Nickel | 5.3 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Nickel | 5.2 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Nickel | 5 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Nickel | 5 | J | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Nickel | 4.9 | J | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Nickel | 4.3 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Nickel | 3.8 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Nickel | 3.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06701 | mg/kg | Nickel | 3.6 | J | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Nickel | 3.5 | = | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Nickel | 3.4 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Nickel | 3.4 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Nickel | 3.4 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Nickel | 2.8 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Nickel | 2.6 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Nickel | 2.4 | J | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Nickel | 2.2 | J | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Nickel | 2.2 | J | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Nickel | 2.2 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Nickel | 1.9 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Nickel | 1.8 | J | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Nickel | 1.5 | J | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Nickel | 1.3 | J | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Nickel | 1.1 | J | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Nickel | 1 | J | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Nickel | 0.63 | J | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Nickel | 7.5 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Nickel | 6.7 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Nickel | 6.3 | U | No |
| GDH | SS | GDHSB05801 | mg/kg | Nickel | 6.2 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Nickel | 5.8 | U | No |
| GDH | SS | GDHSB02301 | mg/kg | Nickel | 5.7 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Nickel | 5.6 | U | No |
| GDH | SS | GDHSB07801 | mg/kg | Nickel | 3 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Nickel | 2.9 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Nickel | 1.9 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Nickel | 0.62 | UJ | No |
| GDH | SS | GDHSB04101 | mg/kg | Potassium | 2960 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06201 | mg/kg | Potassium | 2590 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Potassium | 2470 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Potassium | 2330 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Potassium | 2130 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Potassium | 2110 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Potassium | 2010 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Potassium | 1790 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Potassium | 1580 | J | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Potassium | 1470 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Potassium | 1450 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Potassium | 1320 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Potassium | 1310 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Potassium | 1210 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Potassium | 1190 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Potassium | 1120 | J | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Potassium | 1090 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Potassium | 1090 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Potassium | 1050 | J | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Potassium | 1010 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Potassium | 983 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Potassium | 972 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Potassium | 878 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Potassium | 859 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Potassium | 824 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Potassium | 814 | J | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Potassium | 810 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Potassium | 797 | J | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Potassium | 779 | J | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Potassium | 777 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Potassium | 769 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08801 | mg/kg | Potassium | 755 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Potassium | 742 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Potassium | 732 | J | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Potassium | 730 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Potassium | 698 | J | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Potassium | 693 | J | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Potassium | 684 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Potassium | 677 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Potassium | 675 | J | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Potassium | 665 | J | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Potassium | 660 | J | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Potassium | 638 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Potassium | 546 | J | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Potassium | 496 | J | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Potassium | 494 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Potassium | 454 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Potassium | 446 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Potassium | 425 | J | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Potassium | 419 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Potassium | 417 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Potassium | 403 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Potassium | 380 | J | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Potassium | 361 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Potassium | 336 | J | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Potassium | 336 | J | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Potassium | 336 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Potassium | 333 | J | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Potassium | 324 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Potassium | 312 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Potassium | 311 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB07401 | mg/kg | Potassium | 282 | J | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Potassium | 244 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Potassium | 235 | J | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Potassium | 233 | J | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Potassium | 217 | J | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Potassium | 216 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Potassium | 210 | J | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Potassium | 196 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Potassium | 195 | J | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Potassium | 189 | J | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Potassium | 185 | J | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Potassium | 155 | J | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Potassium | 141 | J | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Potassium | 132 | J | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Potassium | 113 | J | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Potassium | 112 | J | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Potassium | 104 | J | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Potassium | 83.2 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Potassium | 65 | J | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Potassium | 1580 | U | No |
| GDH | SS | GDHSB10501 | mg/kg | Potassium | 442 | U | No |
| GDH | SS | GDHSB06801 | mg/kg | Potassium | 367 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Potassium | 341 | U | No |
| GDH | SS | GDHSB01201 | mg/kg | Potassium | 265 | U | No |
| GDH | SS | GDHSB10401 | mg/kg | Potassium | 215 | U | No |
| GDH | SS | GDHSB06101 | mg/kg | Potassium | 214 | U | No |
| GDH | SS | GDHSB01101 | mg/kg | Potassium | 211 | U | No |
| GDH | SS | GDHSB06701 | mg/kg | Potassium | 186 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Potassium | 183 | UJ | No |
| GDH | SS | GDHSB07101 | mg/kg | Potassium | 154 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB10701 | mg/kg | Potassium | 127 | U | No |
| GDH | SS | GDHSB07301 | mg/kg | Potassium | 111 | U | No |
| GDH | SS | GDHSB06901 | mg/kg | Potassium | 106 | U | No |
| GDH | SS | GDHSB05301 | mg/kg | Potassium | 95.1 | U | No |
| GDH | SS | GDHSB05501 | mg/kg | Potassium | 92.6 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Potassium | 75.1 | U | No |
| GDH | SS | GDHSB08301 | mg/kg | Selenium | 2.6 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Selenium | 2.1 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Selenium | 2.1 | J | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Selenium | 2 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Selenium | 1.7 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Selenium | 1.6 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Selenium | 1.6 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Selenium | 1.2 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Selenium | 1.1 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Selenium | 0.93 | J | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Selenium | 0.89 | J | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Selenium | 0.82 | J | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Selenium | 0.81 | J | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Selenium | 0.79 | J | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Selenium | 0.66 | J | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Selenium | 0.66 | J | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Selenium | 0.48 | J | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Selenium | 0.47 | J | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Selenium | 0.47 | J | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Selenium | 0.41 | J | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Selenium | 0.41 | J | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Selenium | 0.37 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Selenium | 0.35 | J | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Selenium | 0.32 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05901 | mg/kg | Selenium | 0.28 | J | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Selenium | 1.5 | UJ | No |
| GDH | SS | GDHSW04D07 | mg/kg | Selenium | 1.5 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Selenium | 1.1 | UJ | No |
| GDH | SS | GDHSB09001 | mg/kg | Selenium | 1.1 | UJ | No |
| GDH | SS | GDHSB07401 | mg/kg | Selenium | 1.1 | U | No |
| GDH | SS | GDHSB07601 | mg/kg | Selenium | 0.99 | U | No |
| GDH | SS | GDHSB08201 | mg/kg | Selenium | 0.98 | U | No |
| GDH | SS | GDHSB07801 | mg/kg | Selenium | 0.92 | U | No |
| GDH | SS | GDHSB08101 | mg/kg | Selenium | 0.91 | U | No |
| GDH | SS | GDHSB03401 | mg/kg | Selenium | 0.57 | U | No |
| GDH | SS | GDHSB04801 | mg/kg | Selenium | 0.47 | U | No |
| GDH | SS | GDHSB04901 | mg/kg | Selenium | 0.42 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Selenium | 0.41 | UJ | No |
| GDH | SS | GDHSB03301 | mg/kg | Selenium | 0.4 | U | No |
| GDH | SS | GDHSB03901 | mg/kg | Selenium | 0.39 | U | No |
| GDH | SS | GDHSB07201 | mg/kg | Selenium | 0.38 | U | No |
| GDH | SS | GDHSB01201 | mg/kg | Selenium | 0.37 | UJ | No |
| GDH | SS | GDHSB03201 | mg/kg | Selenium | 0.36 | U | No |
| GDH | SS | GDHSB10401 | mg/kg | Selenium | 0.36 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Selenium | 0.36 | UJ | No |
| GDH | SS | GDHSB06401 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SS | GDHSB01001 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SS | GDHSB03701 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SS | GDHSB02701 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SS | GDHSB10701 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SS | GDHSB00101 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SS | GDHSB01901 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SS | GDHSB00701 | mg/kg | Selenium | 0.33 | U | No |
| GDH | SS | GDHSB01701 | mg/kg | Selenium | 0.33 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB01301 | mg/kg | Selenium | 0.32 | U | No |
| GDH | SS | GDHSB00901 | mg/kg | Selenium | 0.32 | U | No |
| GDH | SS | GDHSB00801 | mg/kg | Selenium | 0.32 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Selenium | 0.31 | U | No |
| GDH | SS | GDHSB02101 | mg/kg | Selenium | 0.31 | U | No |
| GDH | SS | GDHSB04301 | mg/kg | Selenium | 0.31 | U | No |
| GDH | SS | GDHSB01501 | mg/kg | Selenium | 0.3 | U | No |
| GDH | SS | GDHSB03801 | mg/kg | Selenium | 0.3 | U | No |
| GDH | SS | GDHSB02201 | mg/kg | Selenium | 0.29 | U | No |
| GDH | SS | GDHSB10501 | mg/kg | Selenium | 0.29 | U | No |
| GDH | SS | GDHSB04601 | mg/kg | Selenium | 0.28 | U | No |
| GDH | SS | GDHSB05801 | mg/kg | Selenium | 0.28 | U | No |
| GDH | SS | GDHSB05301 | mg/kg | Selenium | 0.28 | U | No |
| GDH | SS | GDHSB03101 | mg/kg | Selenium | 0.28 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Selenium | 0.28 | U | No |
| GDH | SS | GDHSB06801 | mg/kg | Selenium | 0.28 | U | No |
| GDH | SS | GDHSB06101 | mg/kg | Selenium | 0.27 | U | No |
| GDH | SS | GDHSB05201 | mg/kg | Selenium | 0.27 | U | No |
| GDH | SS | GDHSB04701 | mg/kg | Selenium | 0.27 | U | No |
| GDH | SS | GDHSB06601 | mg/kg | Selenium | 0.26 | U | No |
| GDH | SS | GDHSB02001 | mg/kg | Selenium | 0.26 | U | No |
| GDH | SS | GDHSB00601 | mg/kg | Selenium | 0.26 | U | No |
| GDH | SS | GDHSB01601 | mg/kg | Selenium | 0.25 | UJ | No |
| GDH | SS | GDHSB01401 | mg/kg | Selenium | 0.25 | U | No |
| GDH | SS | GDHSB07101 | mg/kg | Selenium | 0.25 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Selenium | 0.25 | U | No |
| GDH | SS | GDHSB06901 | mg/kg | Selenium | 0.24 | U | No |
| GDH | SS | GDHSB01801 | mg/kg | Selenium | 0.24 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Selenium | 0.23 | UJ | No |
| GDH | SS | GDHSB04501 | mg/kg | Selenium | 0.23 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB02301 | mg/kg | Selenium | 0.23 | U | No |
| GDH | SS | GDHSB05501 | mg/kg | Selenium | 0.23 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Selenium | 0.22 | U | No |
| GDH | SS | GDHSB05101 | mg/kg | Selenium | 0.22 | U | No |
| GDH | SS | GDHSB06701 | mg/kg | Selenium | 0.22 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Selenium | 0.21 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Selenium | 0.21 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Selenium | 0.21 | U | No |
| GDH | SS | GDHSB04401 | mg/kg | Selenium | 0.2 | U | No |
| GDH | SS | GDHSB06501 | mg/kg | Selenium | 0.19 | U | No |
| GDH | SS | GDHSB07301 | mg/kg | Selenium | 0.19 | U | No |
| GDH | SS | GDHSB05601 | mg/kg | Selenium | 0.19 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Selenium | 0.07 | UJ | No |
| GDH | SS | GDHSB03801 | mg/kg | Silver | 0.74 | J | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Silver | 0.55 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Silver | 4 | U | No |
| GDH | SS | GDHSB08401 | mg/kg | Silver | 3.4 | U | No |
| GDH | SS | GDHSB03701 | mg/kg | Silver | 2.9 | UJ | No |
| GDH | SS | GDHSB05001 | mg/kg | Silver | 2.6 | U | No |
| GDH | SS | GDHSB00401 | mg/kg | Silver | 2.5 | UJ | No |
| GDH | SS | GDHSW04D07 | mg/kg | Silver | 2.5 | U | No |
| GDH | SS | GDHSB05801 | mg/kg | Silver | 2.4 | U | No |
| GDH | SS | GDHSB08601 | mg/kg | Silver | 2.3 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Silver | 2 | U | No |
| GDH | SS | GDHSB05701 | mg/kg | Silver | 1.9 | U | No |
| GDH | SS | GDHSB06501 | mg/kg | Silver | 1.7 | U | No |
| GDH | SS | GDHSB07701 | mg/kg | Silver | 1.1 | U | No |
| GDH | SS | GDHSB07401 | mg/kg | Silver | 1.1 | U | No |
| GDH | SS | GDHSB07901 | mg/kg | Silver | 1.1 | U | No |
| GDH | SS | GDHSB07501 | mg/kg | Silver | 1.1 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB07601 | mg/kg | Silver | 0.99 | U | No |
| GDH | SS | GDHSB08201 | mg/kg | Silver | 0.98 | U | No |
| GDH | SS | GDHSB07801 | mg/kg | Silver | 0.92 | U | No |
| GDH | SS | GDHSB08301 | mg/kg | Silver | 0.92 | U | No |
| GDH | SS | GDHSB08001 | mg/kg | Silver | 0.91 | U | No |
| GDH | SS | GDHSB08101 | mg/kg | Silver | 0.91 | U | No |
| GDH | SS | GDHSB09001 | mg/kg | Silver | 0.49 | U | No |
| GDH | SS | GDHSB03501 | mg/kg | Silver | 0.41 | UJ | No |
| GDH | SS | GDHSB04801 | mg/kg | Silver | 0.41 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Silver | 0.41 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Silver | 0.37 | U | No |
| GDH | SS | GDHSB09201 | mg/kg | Silver | 0.36 | U | No |
| GDH | SS | GDHSB04901 | mg/kg | Silver | 0.36 | U | No |
| GDH | SS | GDHSB04101 | mg/kg | Silver | 0.36 | UJ | No |
| GDH | SS | GDHSB03301 | mg/kg | Silver | 0.35 | UJ | No |
| GDH | SS | GDHSB03901 | mg/kg | Silver | 0.34 | UJ | No |
| GDH | SS | GDHSB06001 | mg/kg | Silver | 0.33 | U | No |
| GDH | SS | GDHSB07201 | mg/kg | Silver | 0.33 | UJ | No |
| GDH | SS | GDHSB03601 | mg/kg | Silver | 0.32 | UJ | No |
| GDH | SS | GDHSB03201 | mg/kg | Silver | 0.31 | UJ | No |
| GDH | SS | GDHSB01001 | mg/kg | Silver | 0.3 | U | No |
| GDH | SS | GDHSB00301 | mg/kg | Silver | 0.3 | UJ | No |
| GDH | SS | GDHSB02701 | mg/kg | Silver | 0.3 | UJ | No |
| GDH | SS | GDHSB00101 | mg/kg | Silver | 0.3 | UJ | No |
| GDH | SS | GDHSB01901 | mg/kg | Silver | 0.3 | U | No |
| GDH | SS | GDHSB06401 | mg/kg | Silver | 0.29 | U | No |
| GDH | SS | GDHSB00701 | mg/kg | Silver | 0.29 | UJ | No |
| GDH | SS | GDHSB01701 | mg/kg | Silver | 0.29 | U | No |
| GDH | SS | GDHSB00801 | mg/kg | Silver | 0.28 | UJ | No |
| GDH | SS | GDHSB00901 | mg/kg | Silver | 0.28 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04001 | mg/kg | Silver | 0.28 | UJ | No |
| GDH | SS | GDHSB01301 | mg/kg | Silver | 0.28 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Silver | 0.27 | UJ | No |
| GDH | SS | GDHSB04301 | mg/kg | Silver | 0.27 | UJ | No |
| GDH | SS | GDHSB02101 | mg/kg | Silver | 0.27 | U | No |
| GDH | SS | GDHSB00201 | mg/kg | Silver | 0.26 | UJ | No |
| GDH | SS | GDHSB01501 | mg/kg | Silver | 0.26 | U | No |
| GDH | SS | GDHSB04201 | mg/kg | Silver | 0.26 | UJ | No |
| GDH | SS | GDHSB06201 | mg/kg | Silver | 0.26 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Silver | 0.26 | U | No |
| GDH | SS | GDHSB04601 | mg/kg | Silver | 0.25 | UJ | No |
| GDH | SS | GDHSB03101 | mg/kg | Silver | 0.25 | UJ | No |
| GDH | SS | GDHSB02201 | mg/kg | Silver | 0.25 | U | No |
| GDH | SS | GDHSB03401 | mg/kg | Silver | 0.25 | UJ | No |
| GDH | SS | GDHSB05301 | mg/kg | Silver | 0.25 | U | No |
| GDH | SS | GDHSB05401 | mg/kg | Silver | 0.25 | U | No |
| GDH | SS | GDHSB01201 | mg/kg | Silver | 0.25 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Silver | 0.24 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Silver | 0.24 | U | No |
| GDH | SS | GDHSB06801 | mg/kg | Silver | 0.24 | U | No |
| GDH | SS | GDHSB01101 | mg/kg | Silver | 0.24 | U | No |
| GDH | SS | GDHSB05201 | mg/kg | Silver | 0.24 | U | No |
| GDH | SS | GDHSB04701 | mg/kg | Silver | 0.24 | U | No |
| GDH | SS | GDHSB06101 | mg/kg | Silver | 0.23 | U | No |
| GDH | SS | GDHSB02001 | mg/kg | Silver | 0.23 | U | No |
| GDH | SS | GDHSB00601 | mg/kg | Silver | 0.23 | UJ | No |
| GDH | SS | GDHSB06301 | mg/kg | Silver | 0.22 | U | No |
| GDH | SS | GDHSB06601 | mg/kg | Silver | 0.22 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Silver | 0.22 | UJ | No |
| GDH | SS | GDHSB02401 | mg/kg | Silver | 0.22 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB00501 | mg/kg | Silver | 0.22 | UJ | No |
| GDH | SS | GDHSB07101 | mg/kg | Silver | 0.22 | U | No |
| GDH | SS | GDHSB01401 | mg/kg | Silver | 0.22 | U | No |
| GDH | SS | GDHSB01601 | mg/kg | Silver | 0.21 | U | No |
| GDH | SS | GDHSB01801 | mg/kg | Silver | 0.21 | U | No |
| GDH | SS | GDHSB10401 | mg/kg | Silver | 0.2 | U | No |
| GDH | SS | GDHSB04501 | mg/kg | Silver | 0.2 | UJ | No |
| GDH | SS | GDHSB06901 | mg/kg | Silver | 0.2 | U | No |
| GDH | SS | GDHSB05501 | mg/kg | Silver | 0.2 | U | No |
| GDH | SS | GDHSB02301 | mg/kg | Silver | 0.2 | UJ | No |
| GDH | SS | GDHSB05101 | mg/kg | Silver | 0.2 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Silver | 0.19 | UJ | No |
| GDH | SS | GDHSB06701 | mg/kg | Silver | 0.19 | U | No |
| GDH | SS | GDHSB02901 | mg/kg | Silver | 0.19 | UJ | No |
| GDH | SS | GDHSB10701 | mg/kg | Silver | 0.19 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Silver | 0.19 | UJ | No |
| GDH | SS | GDHSB04401 | mg/kg | Silver | 0.18 | UJ | No |
| GDH | SS | GDHSB05601 | mg/kg | Silver | 0.17 | U | No |
| GDH | SS | GDHSB07301 | mg/kg | Silver | 0.16 | U | No |
| GDH | SS | GDHSB10501 | mg/kg | Silver | 0.16 | U | No |
| GDH | SS | GDHSB06001 | mg/kg | Sodium | 1660 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Sodium | 1460 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Sodium | 1370 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Sodium | 1350 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Sodium | 1260 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Sodium | 1140 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Sodium | 1010 | J | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Sodium | 1000 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Sodium | 933 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Sodium | 845 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08701 | mg/kg | Sodium | 833 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Sodium | 729 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Sodium | 670 | J | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Sodium | 643 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Sodium | 639 | J | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Sodium | 636 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Sodium | 627 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Sodium | 601 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Sodium | 577 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Sodium | 566 | J | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Sodium | 561 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Sodium | 559 | J | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Sodium | 528 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Sodium | 475 | J | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Sodium | 422 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Sodium | 404 | J | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Sodium | 356 | J | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Sodium | 330 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Sodium | 330 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Sodium | 318 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Sodium | 302 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Sodium | 301 | J | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Sodium | 300 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Sodium | 295 | J | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Sodium | 290 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Sodium | 285 | J | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Sodium | 284 | J | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Sodium | 280 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Sodium | 276 | J | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Sodium | 270 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05101 | mg/kg | Sodium | 258 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Sodium | 244 | J | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Sodium | 240 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Sodium | 239 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Sodium | 207 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Sodium | 206 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Sodium | 192 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Sodium | 185 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Sodium | 183 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Sodium | 182 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Sodium | 182 | J | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Sodium | 181 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Sodium | 177 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Sodium | 167 | J | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Sodium | 165 | J | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Sodium | 160 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Sodium | 150 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Sodium | 147 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Sodium | 143 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Sodium | 142 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Sodium | 142 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Sodium | 136 | J | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Sodium | 134 | J | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Sodium | 134 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Sodium | 130 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Sodium | 126 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Sodium | 113 | J | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Sodium | 109 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Sodium | 107 | J | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Sodium | 102 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06701 | mg/kg | Sodium | 99.4 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Sodium | 96.4 | J | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Sodium | 95.4 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Sodium | 90.7 | J | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Sodium | 90.6 | J | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Sodium | 90.5 | J | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Sodium | 70.6 | J | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Sodium | 65.9 | J | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Sodium | 55.7 | J | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Sodium | 53.2 | J | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Sodium | 51.2 | J | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Sodium | 50.9 | J | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Sodium | 43.8 | J | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Sodium | 41.2 | J | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Sodium | 41.1 | J | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Sodium | 41 | J | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Sodium | 36.1 | J | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Sodium | 32.3 | J | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Sodium | 29.7 | J | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Sodium | 29.4 | J | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Sodium | 22.4 | J | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Sodium | 17 | J | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Sodium | 13.6 | J | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Sodium | 13.3 | J | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Sodium | 10.2 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Sodium | 1200 | U | No |
| GDH | SS | GDHSB08401 | mg/kg | Sodium | 638 | U | No |
| GDH | SS | GDHSB03601 | mg/kg | Thallium | 1.1 | J | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Thallium | 1.1 | J | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Thallium | 0.92 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB04201 | mg/kg | Thallium | 0.63 | J | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Thallium | 0.55 | J | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Thallium | 0.47 | J | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Thallium | 0.12 | J | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Thallium | 1.1 | U | No |
| GDH | SS | GDHSB07901 | mg/kg | Thallium | 1.1 | U | No |
| GDH | SS | GDHSB07401 | mg/kg | Thallium | 1.1 | U | No |
| GDH | SS | GDHSB07501 | mg/kg | Thallium | 1.1 | U | No |
| GDH | SS | GDHSB07601 | mg/kg | Thallium | 0.99 | U | No |
| GDH | SS | GDHSB08201 | mg/kg | Thallium | 0.98 | U | No |
| GDH | SS | GDHSB08301 | mg/kg | Thallium | 0.92 | U | No |
| GDH | SS | GDHSB07801 | mg/kg | Thallium | 0.92 | U | No |
| GDH | SS | GDHSB08001 | mg/kg | Thallium | 0.91 | U | No |
| GDH | SS | GDHSB08101 | mg/kg | Thallium | 0.91 | U | No |
| GDH | SS | GDHSB09001 | mg/kg | Thallium | 0.84 | UJ | No |
| GDH | SS | GDHSB08601 | mg/kg | Thallium | 0.77 | UJ | No |
| GDH | SS | GDHSB08701 | mg/kg | Thallium | 0.7 | UJ | No |
| GDH | SS | GDHSB08801 | mg/kg | Thallium | 0.7 | UJ | No |
| GDH | SS | GDHSB08901 | mg/kg | Thallium | 0.64 | UJ | No |
| GDH | SS | GDHSB03401 | mg/kg | Thallium | 0.57 | U | No |
| GDH | SS | GDHSB04801 | mg/kg | Thallium | 0.47 | U | No |
| GDH | SS | GDHSB03501 | mg/kg | Thallium | 0.47 | U | No |
| GDH | SS | GDHSB04901 | mg/kg | Thallium | 0.42 | U | No |
| GDH | SS | GDHSW04D07 | mg/kg | Thallium | 0.42 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Thallium | 0.4 | UJ | No |
| GDH | SS | GDHSB03301 | mg/kg | Thallium | 0.4 | U | No |
| GDH | SS | GDHSB10401 | mg/kg | Thallium | 0.39 | U | No |
| GDH | SS | GDHSB06001 | mg/kg | Thallium | 0.38 | UJ | No |
| GDH | SS | GDHSB07201 | mg/kg | Thallium | 0.38 | U | No |
| GDH | SS | GDHSB01201 | mg/kg | Thallium | 0.37 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB10701 | mg/kg | Thallium | 0.36 | U | No |
| GDH | SS | GDHSB03201 | mg/kg | Thallium | 0.36 | U | No |
| GDH | SS | GDHSB00301 | mg/kg | Thallium | 0.35 | U | No |
| GDH | SS | GDHSB01101 | mg/kg | Thallium | 0.35 | U | No |
| GDH | SS | GDHSB06401 | mg/kg | Thallium | 0.34 | UJ | No |
| GDH | SS | GDHSB03701 | mg/kg | Thallium | 0.34 | UJ | No |
| GDH | SS | GDHSB00101 | mg/kg | Thallium | 0.34 | U | No |
| GDH | SS | GDHSB01001 | mg/kg | Thallium | 0.34 | UJ | No |
| GDH | SS | GDHSB01901 | mg/kg | Thallium | 0.34 | UJ | No |
| GDH | SS | GDHSB02701 | mg/kg | Thallium | 0.34 | U | No |
| GDH | SS | GDHSB01701 | mg/kg | Thallium | 0.33 | UJ | No |
| GDH | SS | GDHSB00701 | mg/kg | Thallium | 0.33 | U | No |
| GDH | SS | GDHSB04001 | mg/kg | Thallium | 0.33 | UJ | No |
| GDH | SS | GDHSB00901 | mg/kg | Thallium | 0.32 | U | No |
| GDH | SS | GDHSB00801 | mg/kg | Thallium | 0.32 | U | No |
| GDH | SS | GDHSB01301 | mg/kg | Thallium | 0.32 | UJ | No |
| GDH | SS | GDHSB02101 | mg/kg | Thallium | 0.31 | UJ | No |
| GDH | SS | GDHSB04301 | mg/kg | Thallium | 0.31 | UJ | No |
| GDH | SS | GDHSB10501 | mg/kg | Thallium | 0.31 | U | No |
| GDH | SS | GDHSB02601 | mg/kg | Thallium | 0.31 | U | No |
| GDH | SS | GDHSB01501 | mg/kg | Thallium | 0.3 | UJ | No |
| GDH | SS | GDHSB00201 | mg/kg | Thallium | 0.3 | U | No |
| GDH | SS | GDHSB03801 | mg/kg | Thallium | 0.3 | UJ | No |
| GDH | SS | GDHSB06201 | mg/kg | Thallium | 0.3 | UJ | No |
| GDH | SS | GDHSB05001 | mg/kg | Thallium | 0.3 | U | No |
| GDH | SS | GDHSB00401 | mg/kg | Thallium | 0.29 | U | No |
| GDH | SS | GDHSB02201 | mg/kg | Thallium | 0.29 | UJ | No |
| GDH | SS | GDHSB05401 | mg/kg | Thallium | 0.28 | U | No |
| GDH | SS | GDHSB07001 | mg/kg | Thallium | 0.28 | UJ | No |
| GDH | SS | GDHSB06801 | mg/kg | Thallium | 0.28 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05801 | mg/kg | Thallium | 0.28 | U | No |
| GDH | SS | GDHSB04601 | mg/kg | Thallium | 0.28 | UJ | No |
| GDH | SS | GDHSB05301 | mg/kg | Thallium | 0.28 | U | No |
| GDH | SS | GDHSB03101 | mg/kg | Thallium | 0.28 | U | No |
| GDH | SS | GDHSB06101 | mg/kg | Thallium | 0.27 | U | No |
| GDH | SS | GDHSB05201 | mg/kg | Thallium | 0.27 | U | No |
| GDH | SS | GDHSB04701 | mg/kg | Thallium | 0.27 | U | No |
| GDH | SS | GDHSB06601 | mg/kg | Thallium | 0.26 | UJ | No |
| GDH | SS | GDHSB02001 | mg/kg | Thallium | 0.26 | UJ | No |
| GDH | SS | GDHSB00601 | mg/kg | Thallium | 0.26 | U | No |
| GDH | SS | GDHSB06301 | mg/kg | Thallium | 0.25 | UJ | No |
| GDH | SS | GDHSB01601 | mg/kg | Thallium | 0.25 | U | No |
| GDH | SS | GDHSB02401 | mg/kg | Thallium | 0.25 | U | No |
| GDH | SS | GDHSB02801 | mg/kg | Thallium | 0.25 | U | No |
| GDH | SS | GDHSB01401 | mg/kg | Thallium | 0.25 | UJ | No |
| GDH | SS | GDHSB07101 | mg/kg | Thallium | 0.25 | UJ | No |
| GDH | SS | GDHSB00501 | mg/kg | Thallium | 0.25 | U | No |
| GDH | SS | GDHSB01801 | mg/kg | Thallium | 0.24 | UJ | No |
| GDH | SS | GDHSB06901 | mg/kg | Thallium | 0.24 | UJ | No |
| GDH | SS | GDHSB04501 | mg/kg | Thallium | 0.23 | UJ | No |
| GDH | SS | GDHSB02301 | mg/kg | Thallium | 0.23 | U | No |
| GDH | SS | GDHSB05501 | mg/kg | Thallium | 0.23 | U | No |
| GDH | SS | GDHSB02501 | mg/kg | Thallium | 0.22 | U | No |
| GDH | SS | GDHSB05101 | mg/kg | Thallium | 0.22 | U | No |
| GDH | SS | GDHSB06701 | mg/kg | Thallium | 0.22 | UJ | No |
| GDH | SS | GDHSB05701 | mg/kg | Thallium | 0.21 | UJ | No |
| GDH | SS | GDHSB02901 | mg/kg | Thallium | 0.21 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Thallium | 0.21 | U | No |
| GDH | SS | GDHSB05901 | mg/kg | Thallium | 0.2 | UJ | No |
| GDH | SS | GDHSB04401 | mg/kg | Thallium | 0.2 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB06501 | mg/kg | Thallium | 0.19 | UJ | No |
| GDH | SS | GDHSB07301 | mg/kg | Thallium | 0.19 | UJ | No |
| GDH | SS | GDHSB05601 | mg/kg | Thallium | 0.19 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Thallium | 0.08 | UJ | No |
| GDH | SS | GDHSB04101 | mg/kg | Vanadium | 74.8 | = | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Vanadium | 71.7 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Vanadium | 69.1 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Vanadium | 68.3 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Vanadium | 66.5 | = | Yes |
| GDH | SS | GDHSB03401 | mg/kg | Vanadium | 60.1 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Vanadium | 55.5 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Vanadium | 49.8 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Vanadium | 48.7 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Vanadium | 46.6 | = | Yes |
| GDH | SS | GDHSB08901 | mg/kg | Vanadium | 45.9 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Vanadium | 44.4 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Vanadium | 42.3 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Vanadium | 39 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Vanadium | 38.7 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Vanadium | 38.1 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Vanadium | 36.3 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Vanadium | 35.9 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Vanadium | 35.5 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Vanadium | 35.4 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Vanadium | 33.5 | = | Yes |
| GDH | SS | GDHSB08701 | mg/kg | Vanadium | 32.1 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Vanadium | 31.6 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Vanadium | 31.4 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Vanadium | 30.8 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Vanadium | 29.9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08601 | mg/kg | Vanadium | 28.6 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Vanadium | 28.5 | = | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Vanadium | 27.3 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Vanadium | 27.2 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Vanadium | 26.3 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Vanadium | 25.6 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Vanadium | 25.3 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Vanadium | 25.3 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Vanadium | 25.1 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Vanadium | 24.8 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Vanadium | 24.5 | = | Yes |
| GDH | SS | GDHSB00301 | mg/kg | Vanadium | 24.3 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Vanadium | 24.1 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Vanadium | 23.6 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Vanadium | 23.6 | = | Yes |
| GDH | SS | GDHSB08201 | mg/kg | Vanadium | 23 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Vanadium | 22.5 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Vanadium | 21.8 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Vanadium | 21.7 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Vanadium | 21 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Vanadium | 20.6 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Vanadium | 20.4 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Vanadium | 20.3 | = | Yes |
| GDH | SS | GDHSB08801 | mg/kg | Vanadium | 19.7 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Vanadium | 19.4 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Vanadium | 19.4 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Vanadium | 19.3 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Vanadium | 19.1 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Vanadium | 18.2 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Vanadium | 18.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB00101 | mg/kg | Vanadium | 17.9 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Vanadium | 17.9 | = | Yes |
| GDH | SS | GDHSB01101 | mg/kg | Vanadium | 17.5 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Vanadium | 17.5 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Vanadium | 17.4 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Vanadium | 17.1 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Vanadium | 16.9 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Vanadium | 16.8 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Vanadium | 16.6 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Vanadium | 15.2 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Vanadium | 15.1 | = | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Vanadium | 14.8 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Vanadium | 14.3 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Vanadium | 14.1 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Vanadium | 13.9 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Vanadium | 13.1 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Vanadium | 12.6 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Vanadium | 12.4 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Vanadium | 12.2 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Vanadium | 12.2 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Vanadium | 12 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Vanadium | 11.7 | = | Yes |
| GDH | SS | GDHSB03001 | mg/kg | Vanadium | 11.6 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Vanadium | 10.1 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Vanadium | 10 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Vanadium | 9.9 | = | Yes |
| GDH | SS | GDHSB07101 | mg/kg | Vanadium | 9.6 | = | Yes |
| GDH | SS | GDHSB09101 | mg/kg | Vanadium | 8.5 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Vanadium | 8.4 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Vanadium | 8.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB05501 | mg/kg | Vanadium | 7.9 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Vanadium | 7.7 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Vanadium | 7.2 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Vanadium | 6.9 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Vanadium | 6.9 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Vanadium | 5.8 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Vanadium | 5.4 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Vanadium | 4.8 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Vanadium | 4.1 | = | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Vanadium | 4.1 | = | Yes |
| GDH | SS | GDHSB09301 | mg/kg | Vanadium | 6.8 | U | No |
| GDH | SS | GDHSB00301 | mg/kg | Zinc | 431 | = | Yes |
| GDH | SS | GDHSB03801 | mg/kg | Zinc | 202 | = | Yes |
| GDH | SS | GDHSB06301 | mg/kg | Zinc | 163 | = | Yes |
| GDH | SS | GDHSB07901 | mg/kg | Zinc | 160 | = | Yes |
| GDH | SS | GDHSB01401 | mg/kg | Zinc | 137 | = | Yes |
| GDH | SS | GDHSB07501 | mg/kg | Zinc | 125 | = | Yes |
| GDH | SS | GDHSB00101 | mg/kg | Zinc | 119 | J | Yes |
| GDH | SS | GDHSB09001 | mg/kg | Zinc | 112 | = | Yes |
| GDH | SS | GDHSB03901 | mg/kg | Zinc | 111 | = | Yes |
| GDH | SS | GDHSB04901 | mg/kg | Zinc | 108 | = | Yes |
| GDH | SS | GDHSB02701 | mg/kg | Zinc | 104 | = | Yes |
| GDH | SS | GDHSB02801 | mg/kg | Zinc | 104 | = | Yes |
| GDH | SS | GDHSB04101 | mg/kg | Zinc | 100 | = | Yes |
| GDH | SS | GDHSB02401 | mg/kg | Zinc | 92.4 | = | Yes |
| GDH | SS | GDHSB00701 | mg/kg | Zinc | 92.2 | = | Yes |
| GDH | SS | GDHSB02201 | mg/kg | Zinc | 90.3 | = | Yes |
| GDH | SS | GDHSB04801 | mg/kg | Zinc | 85.9 | = | Yes |
| GDH | SS | GDHSB03201 | mg/kg | Zinc | 85.8 | = | Yes |
| GDH | SS | GDHSB01201 | mg/kg | Zinc | 83.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB03401 | mg/kg | Zinc | 80.5 | = | Yes |
| GDH | SS | GDHSB08401 | mg/kg | Zinc | 79 | = | Yes |
| GDH | SS | GDHSB03501 | mg/kg | Zinc | 76.9 | = | Yes |
| GDH | SS | GDHSB05501 | mg/kg | Zinc | 74.4 | = | Yes |
| GDH | SS | GDHSB03601 | mg/kg | Zinc | 64.8 | = | Yes |
| GDH | SS | GDHSB01501 | mg/kg | Zinc | 64.2 | = | Yes |
| GDH | SS | GDHSB04701 | mg/kg | Zinc | 62.5 | = | Yes |
| GDH | SS | GDHSB05601 | mg/kg | Zinc | 62.3 | = | Yes |
| GDH | SS | GDHSB06001 | mg/kg | Zinc | 61.4 | = | Yes |
| GDH | SS | GDHSB06201 | mg/kg | Zinc | 59.1 | = | Yes |
| GDH | SS | GDHSB00401 | mg/kg | Zinc | 59 | = | Yes |
| GDH | SS | GDHSB06801 | mg/kg | Zinc | 58.8 | = | Yes |
| GDH | SS | GDHSB05801 | mg/kg | Zinc | 58.1 | = | Yes |
| GDH | SS | GDHSB05401 | mg/kg | Zinc | 56.2 | = | Yes |
| GDH | SS | GDHSB05901 | mg/kg | Zinc | 56 | = | Yes |
| GDH | SS | GDHSB08601 | mg/kg | Zinc | 54.2 | = | Yes |
| GDH | SS | GDHSB05001 | mg/kg | Zinc | 54 | = | Yes |
| GDH | SS | GDHSB09201 | mg/kg | Zinc | 53.8 | = | Yes |
| GDH | SS | GDHSB07201 | mg/kg | Zinc | 53.7 | = | Yes |
| GDH | SS | GDHSB03301 | mg/kg | Zinc | 52.3 | = | Yes |
| GDH | SS | GDHSB08001 | mg/kg | Zinc | 51.7 | = | Yes |
| GDH | SS | GDHSB04201 | mg/kg | Zinc | 50.6 | = | Yes |
| GDH | SS | GDHSB05201 | mg/kg | Zinc | 50.5 | = | Yes |
| GDH | SS | GDHSW04D07 | mg/kg | Zinc | 49.8 | = | Yes |
| GDH | SS | GDHSB00801 | mg/kg | Zinc | 49.4 | = | Yes |
| GDH | SS | GDHSB01001 | mg/kg | Zinc | 48.7 | = | Yes |
| GDH | SS | GDHSB07701 | mg/kg | Zinc | 47.7 | = | Yes |
| GDH | SS | GDHSB01701 | mg/kg | Zinc | 47 | = | Yes |
| GDH | SS | GDHSB03701 | mg/kg | Zinc | 44.1 | = | Yes |
| GDH | SS | GDHSB02601 | mg/kg | Zinc | 42.4 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB08201 | mg/kg | Zinc | 41.9 | = | Yes |
| GDH | SS | GDHSB00501 | mg/kg | Zinc | 41.8 | = | Yes |
| GDH | SS | GDHSB01801 | mg/kg | Zinc | 41.2 | = | Yes |
| GDH | SS | GDHSB04301 | mg/kg | Zinc | 40.4 | = | Yes |
| GDH | SS | GDHSB06501 | mg/kg | Zinc | 40 | = | Yes |
| GDH | SS | GDHSB07601 | mg/kg | Zinc | 39.2 | = | Yes |
| GDH | SS | GDHSB01601 | mg/kg | Zinc | 37.3 | = | Yes |
| GDH | SS | GDHSB06101 | mg/kg | Zinc | 36.7 | J | Yes |
| GDH | SS | GDHSB04601 | mg/kg | Zinc | 35.8 | = | Yes |
| GDH | SS | GDHSB00201 | mg/kg | Zinc | 34.6 | = | Yes |
| GDH | SS | GDHSB06401 | mg/kg | Zinc | 34.5 | = | Yes |
| GDH | SS | GDHSB01301 | mg/kg | Zinc | 34.4 | = | Yes |
| GDH | SS | GDHSB07801 | mg/kg | Zinc | 34.2 | = | Yes |
| GDH | SS | GDHSB10501 | mg/kg | Zinc | 33.5 | = | Yes |
| GDH | SS | GDHSB08301 | mg/kg | Zinc | 32.3 | = | Yes |
| GDH | SS | GDHSB02501 | mg/kg | Zinc | 31.2 | = | Yes |
| GDH | SS | GDHSB06701 | mg/kg | Zinc | 30.8 | = | Yes |
| GDH | SS | GDHSB02101 | mg/kg | Zinc | 30.1 | = | Yes |
| GDH | SS | GDHSB04501 | mg/kg | Zinc | 29.3 | = | Yes |
| GDH | SS | GDHSB05701 | mg/kg | Zinc | 28.3 | = | Yes |
| GDH | SS | GDHSB05101 | mg/kg | Zinc | 24.8 | = | Yes |
| GDH | SS | GDHSB02301 | mg/kg | Zinc | 24.6 | J | Yes |
| GDH | SS | GDHSB07401 | mg/kg | Zinc | 24.1 | = | Yes |
| GDH | SS | GDHSB08101 | mg/kg | Zinc | 19.7 | = | Yes |
| GDH | SS | GDHSB03101 | mg/kg | Zinc | 18.8 | = | Yes |
| GDH | SS | GDHSB00901 | mg/kg | Zinc | 17.4 | = | Yes |
| GDH | SS | GDHSB01901 | mg/kg | Zinc | 14.8 | = | Yes |
| GDH | SS | GDHSB10401 | mg/kg | Zinc | 14.2 | = | Yes |
| GDH | SS | GDHSB02901 | mg/kg | Zinc | 13.9 | = | Yes |
| GDH | SS | GDHSB02001 | mg/kg | Zinc | 11.7 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SS | GDHSB07101 | mg/kg | Zinc | 10.7 | = | Yes |
| GDH | SS | GDHSB05301 | mg/kg | Zinc | 10.5 | = | Yes |
| GDH | SS | GDHSB04001 | mg/kg | Zinc | 10.1 | = | Yes |
| GDH | SS | GDHSB07301 | mg/kg | Zinc | 8 | = | Yes |
| GDH | SS | GDHSB00601 | mg/kg | Zinc | 7.9 | = | Yes |
| GDH | SS | GDHSB10701 | mg/kg | Zinc | 7.5 | = | Yes |
| GDH | SS | GDHSB04401 | mg/kg | Zinc | 7 | = | Yes |
| GDH | SS | GDHSB06601 | mg/kg | Zinc | 6.3 | = | Yes |
| GDH | SS | GDHSB06901 | mg/kg | Zinc | 6.1 | = | Yes |
| GDH | SS | GDHSB07001 | mg/kg | Zinc | 5 | = | Yes |
| GDH | SS | GDHSB08501 | mg/kg | Zinc | 59.3 | U | No |
| GDH | SS | GDHSB08901 | mg/kg | Zinc | 57.9 | U | No |
| GDH | SS | GDHSB08701 | mg/kg | Zinc | 53.7 | U | No |
| GDH | SS | GDHSB08801 | mg/kg | Zinc | 34.4 | U | No |
| GDH | SS | GDHSB01101 | mg/kg | Zinc | 33.6 | U | No |
| GDH | SS | GDHSB09101 | mg/kg | Zinc | 15.2 | U | No |
| GDH | SS | GDHSB03001 | mg/kg | Zinc | 11.9 | U | No |
| GDH | SS | GDHSB09301 | mg/kg | Zinc | 6.9 | U | No |
| GDI | SS | GDISB00701 | mg/kg | Aluminum | 27400 | = | Yes |
| GDI | SS | GDISB00901 | mg/kg | Aluminum | 26400 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Aluminum | 25700 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Aluminum | 23100 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Aluminum | 19900 | = | Yes |
| GDI | SS | GDISB01301 | mg/kg | Aluminum | 11000 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Aluminum | 9860 | = | Yes |
| GDI | SS | GDISB01201 | mg/kg | Aluminum | 6170 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Aluminum | 5630 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Aluminum | 5360 | = | Yes |
| GDI | SS | GDISB01801b | mg/kg | Aluminum | 5230 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Aluminum | 4480 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01601 | mg/kg | Aluminum | 3470 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Antimony | 6.1 | UJ | No |
| GDI | SS | GDISB01001 | mg/kg | Antimony | 5.8 | UJ | No |
| GDI | SS | GDISB01101 | mg/kg | Antimony | 4.8 | UJ | No |
| GDI | SS | GDISB01301 | mg/kg | Antimony | 4.7 | UJ | No |
| GDI | SS | GDISB01601 | mg/kg | Antimony | 4.7 | UJ | No |
| GDI | SS | GDISB01201 | mg/kg | Antimony | 4.6 | UJ | No |
| GDI | SS | GDISB01801b | mg/kg | Antimony | 0.89 | UJ | No |
| GDI | SS | GDISB00601 | mg/kg | Antimony | 0.69 | UJ | No |
| GDI | SS | GDISB00201 | mg/kg | Antimony | 0.51 | UJ | No |
| GDI | SS | GDISB01701 | mg/kg | Antimony | 0.37 | UJ | No |
| GDI | SS | GDISB00801 | mg/kg | Antimony | 0.37 | UJ | No |
| GDI | SS | GDISB00701 | mg/kg | Antimony | 0.32 | UJ | No |
| GDI | SS | GDISB00501 | mg/kg | Antimony | 0.27 | UJ | No |
| GDI | SS | GDISB01701 | mg/kg | Arsenic | 19.7 | = | Yes |
| GDI | SS | GDISB00901 | mg/kg | Arsenic | 11 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Arsenic | 11 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Arsenic | 9.3 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Arsenic | 9.2 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Arsenic | 8.5 | = | Yes |
| GDI | SS | GDISB00601 | mg/kg | Arsenic | 7.2 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Arsenic | 4 | = | Yes |
| GDI | SS | GDISB01301 | mg/kg | Arsenic | 2.1 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Arsenic | 1.6 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Arsenic | 1 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Arsenic | 0.46 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Arsenic | 0.5 | U | No |
| GDI | SS | GDISB00801 | mg/kg | Barium | 43.4 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Barium | 40.3 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Barium | 38.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01001 | mg/kg | Barium | 37.9 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Barium | 31.5 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Barium | 29.1 | = | Yes |
| GDI | SS | GDISB00501 | mg/kg | Barium | 24.9 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Barium | 22.7 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Barium | 20.7 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Barium | 20.1 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Barium | 18.3 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Barium | 14.4 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Barium | 7.8 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Beryllium | 0.95 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Beryllium | 0.88 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Beryllium | 0.87 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Beryllium | 0.75 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Beryllium | 0.73 | = | Yes |
| GDI | SS | GDISB01701 | mg/kg | Beryllium | 0.46 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Beryllium | 0.4 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Beryllium | 0.34 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Beryllium | 0.29 | U | No |
| GDI | SS | GDISB01101 | mg/kg | Beryllium | 0.22 | U | No |
| GDI | SS | GDISB01201 | mg/kg | Beryllium | 0.22 | U | No |
| GDI | SS | GDISB01601 | mg/kg | Beryllium | 0.22 | U | No |
| GDI | SS | GDISB01301 | mg/kg | Beryllium | 0.18 | U | No |
| GDI | SS | GDISB00701 | mg/kg | Cadmium | 0.61 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Cadmium | 0.59 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Cadmium | 0.44 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Cadmium | 0.21 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Cadmium | 0.13 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Cadmium | 0.66 | UJ | No |
| GDI | SS | GDISB01001 | mg/kg | Cadmium | 0.63 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01101 | mg/kg | Cadmium | 0.51 | UJ | No |
| GDI | SS | GDISB01301 | mg/kg | Cadmium | 0.5 | UJ | No |
| GDI | SS | GDISB01601 | mg/kg | Cadmium | 0.5 | UJ | No |
| GDI | SS | GDISB01201 | mg/kg | Cadmium | 0.49 | UJ | No |
| GDI | SS | GDISB00501 | mg/kg | Cadmium | 0.07 | U | No |
| GDI | SS | GDISB01701 | mg/kg | Cadmium | 0.06 | U | No |
| GDI | SS | GDISB00201 | mg/kg | Calcium | 59500 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Calcium | 46200 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Calcium | 44000 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Calcium | 33600 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Calcium | 32800 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Calcium | 28200 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Calcium | 20700 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Calcium | 13300 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Calcium | 12900 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Calcium | 11400 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Calcium | 5580 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Calcium | 3550 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Calcium | 1670 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Chromium, Total | 53.7 | = | Yes |
| GDI | SS | GDISB00801 | mg/kg | Chromium, Total | 49.9 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Chromium, Total | 49.4 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Chromium, Total | 47 | = | Yes |
| GDI | SS | GDISB00601 | mg/kg | Chromium, Total | 45.5 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Chromium, Total | 25.4 | = | Yes |
| GDI | SS | GDISB01701 | mg/kg | Chromium, Total | 21.9 | = | Yes |
| GDI | SS | GDISB01201 | mg/kg | Chromium, Total | 18.7 | = | Yes |
| GDI | SS | GDISB01301 | mg/kg | Chromium, Total | 18.4 | = | Yes |
| GDI | SS | GDISB01801b | mg/kg | Chromium, Total | 18.1 | = | Yes |
| GDI | SS | GDISB01101 | mg/kg | Chromium, Total | 12.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01601 | mg/kg | Chromium, Total | 8.6 | = | Yes |
| GDI | SS | GDISB00501 | mg/kg | Chromium, Total | 7.5 | = | Yes |
| GDI | SS | GDISB00901 | mg/kg | Cobalt | 5.8 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Cobalt | 5.7 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Cobalt | 5.5 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Cobalt | 4.5 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Cobalt | 4.4 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Cobalt | 4.1 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Cobalt | 2.6 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Cobalt | 2.6 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Cobalt | 0.64 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Cobalt | 1.5 | U | No |
| GDI | SS | GDISB01601 | mg/kg | Cobalt | 1.4 | U | No |
| GDI | SS | GDISB01201 | mg/kg | Cobalt | 1.4 | U | No |
| GDI | SS | GDISB01301 | mg/kg | Cobalt | 1.4 | U | No |
| GDI | SS | GDISB01801b | mg/kg | Copper | 556 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Copper | 95.9 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Copper | 49.3 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Copper | 40.4 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Copper | 34.6 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Copper | 24.6 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Copper | 19.1 | = | Yes |
| GDI | SS | GDISB01301 | mg/kg | Copper | 18.9 | = | Yes |
| GDI | SS | GDISB01701 | mg/kg | Copper | 9 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Copper | 6 | = | Yes |
| GDI | SS | GDISB00501 | mg/kg | Copper | 4.3 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Copper | 4.2 | = | Yes |
| GDI | SS | GDISB01601 | mg/kg | Copper | 2.4 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Iron | 22700 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Iron | 21800 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB00801 | mg/kg | Iron | 21500 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Iron | 19200 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Iron | 16600 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Iron | 12700 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Iron | 7750 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Iron | 6080 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Iron | 5240 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Iron | 3920 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Iron | 3630 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Iron | 3620 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Iron | 1730 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Lead | 203 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Lead | 140 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Lead | 95.5 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Lead | 73.4 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Lead | 47 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Lead | 46.5 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Lead | 33.3 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Lead | 27.3 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Lead | 24.8 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Lead | 21.1 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Lead | 20.2 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Lead | 8.6 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Lead | 5 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Magnesium | 3820 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Magnesium | 3810 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Magnesium | 3690 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Magnesium | 3610 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Magnesium | 3430 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Magnesium | 1400 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01801b | mg/kg | Magnesium | 1350 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Magnesium | 1080 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Magnesium | 889 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Magnesium | 835 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Magnesium | 597 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Magnesium | 496 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Magnesium | 424 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Manganese | 426 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Manganese | 419 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Manganese | 291 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Manganese | 275 | = | Yes |
| GDI | SS | GDISB00901 | mg/kg | Manganese | 266 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Manganese | 187 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Manganese | 77.1 | = | Yes |
| GDI | SS | GDISB01801b | mg/kg | Manganese | 40.5 | = | Yes |
| GDI | SS | GDISB01201 | mg/kg | Manganese | 37.2 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Manganese | 33.3 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Manganese | 28.6 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Manganese | 21.5 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Manganese | 15.1 | = | Yes |
| GDI | SS | GDISB01801b | mg/kg | Mercury | 0.47 | = | Yes |
| GDI | SS | GDISB00801 | mg/kg | Mercury | 0.3 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Mercury | 0.29 | = | Yes |
| GDI | SS | GDISB00901 | mg/kg | Mercury | 0.23 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Mercury | 0.21 | = | Yes |
| GDI | SS | GDISB00601 | mg/kg | Mercury | 0.16 | = | Yes |
| GDI | SS | GDISB01301 | mg/kg | Mercury | 0.13 | = | Yes |
| GDI | SS | GDISB00501 | mg/kg | Mercury | 0.15 | U | No |
| GDI | SS | GDISB01601 | mg/kg | Mercury | 0.12 | U | No |
| GDI | SS | GDISB01201 | mg/kg | Mercury | 0.12 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01101 | mg/kg | Mercury | 0.12 | U | No |
| GDI | SS | GDISB01701 | mg/kg | Mercury | 0.12 | U | No |
| GDI | SS | GDISB00201 | mg/kg | Mercury | 0.12 | U | No |
| GDI | SS | GDISB01001 | mg/kg | Nickel | 18.1 | = | Yes |
| GDI | SS | GDISB00801 | mg/kg | Nickel | 16.3 | = | Yes |
| GDI | SS | GDISB00901 | mg/kg | Nickel | 15.9 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Nickel | 15.3 | = | Yes |
| GDI | SS | GDISB00601 | mg/kg | Nickel | 14.4 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Nickel | 11.4 | = | Yes |
| GDI | SS | GDISB01801b | mg/kg | Nickel | 11 | = | Yes |
| GDI | SS | GDISB01201 | mg/kg | Nickel | 5.6 | = | Yes |
| GDI | SS | GDISB01701 | mg/kg | Nickel | 5.5 | = | Yes |
| GDI | SS | GDISB01301 | mg/kg | Nickel | 5.4 | = | Yes |
| GDI | SS | GDISB01101 | mg/kg | Nickel | 4.2 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Nickel | 1.5 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Nickel | 2 | U | No |
| GDI | SS | GDISB00901 | mg/kg | Potassium | 2730 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Potassium | 2560 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Potassium | 2490 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Potassium | 2370 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Potassium | 2230 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Potassium | 954 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Potassium | 945 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Potassium | 839 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Potassium | 493 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Potassium | 530 | U | No |
| GDI | SS | GDISB01201 | mg/kg | Potassium | 431 | U | No |
| GDI | SS | GDISB01601 | mg/kg | Potassium | 393 | U | No |
| GDI | SS | GDISB01101 | mg/kg | Potassium | 359 | U | No |
| GDI | SS | GDISB00801 | mg/kg | Selenium | 1.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01801b | mg/kg | Selenium | 1.1 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Selenium | 1 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Selenium | 0.96 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Selenium | 0.9 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Selenium | 0.86 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Selenium | 0.7 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Selenium | 0.58 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Selenium | 0.5 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Selenium | 0.66 | UJ | No |
| GDI | SS | GDISB01101 | mg/kg | Selenium | 0.51 | UJ | No |
| GDI | SS | GDISB01301 | mg/kg | Selenium | 0.5 | UJ | No |
| GDI | SS | GDISB01601 | mg/kg | Selenium | 0.5 | UJ | No |
| GDI | SS | GDISB01801b | mg/kg | Silver | 1.5 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Silver | 0.67 | UJ | No |
| GDI | SS | GDISB01001 | mg/kg | Silver | 0.64 | UJ | No |
| GDI | SS | GDISB01101 | mg/kg | Silver | 0.53 | UJ | No |
| GDI | SS | GDISB01601 | mg/kg | Silver | 0.51 | UJ | No |
| GDI | SS | GDISB01301 | mg/kg | Silver | 0.51 | UJ | No |
| GDI | SS | GDISB01201 | mg/kg | Silver | 0.5 | UJ | No |
| GDI | SS | GDISB00801 | mg/kg | Silver | 0.09 | UJ | No |
| GDI | SS | GDISB00501 | mg/kg | Silver | 0.09 | UJ | No |
| GDI | SS | GDISB00701 | mg/kg | Silver | 0.09 | UJ | No |
| GDI | SS | GDISB00601 | mg/kg | Silver | 0.08 | UJ | No |
| GDI | SS | GDISB00201 | mg/kg | Silver | 0.07 | UJ | No |
| GDI | SS | GDISB01701 | mg/kg | Silver | 0.07 | UJ | No |
| GDI | SS | GDISB00501 | mg/kg | Sodium | 2030 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Sodium | 1180 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Sodium | 1080 | J | Yes |
| GDI | SS | GDISB01001 | mg/kg | Sodium | 951 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Sodium | 604 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB01101 | mg/kg | Sodium | 400 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Sodium | 400 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Sodium | 367 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Sodium | 324 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Sodium | 264 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Sodium | 209 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Sodium | 181 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Sodium | 155 | U | No |
| GDI | SS | GDISB00801 | mg/kg | Thallium | 0.84 | U | No |
| GDI | SS | GDISB00701 | mg/kg | Thallium | 0.83 | U | No |
| GDI | SS | GDISB00901 | mg/kg | Thallium | 0.82 | UJ | No |
| GDI | SS | GDISB00501 | mg/kg | Thallium | 0.79 | U | No |
| GDI | SS | GDISB01001 | mg/kg | Thallium | 0.78 | UJ | No |
| GDI | SS | GDISB00601 | mg/kg | Thallium | 0.76 | U | No |
| GDI | SS | GDISB01701 | mg/kg | Thallium | 0.68 | U | No |
| GDI | SS | GDISB01801b | mg/kg | Thallium | 0.66 | U | No |
| GDI | SS | GDISB00201 | mg/kg | Thallium | 0.64 | U | No |
| GDI | SS | GDISB01101 | mg/kg | Thallium | 0.64 | UJ | No |
| GDI | SS | GDISB01601 | mg/kg | Thallium | 0.63 | UJ | No |
| GDI | SS | GDISB01301 | mg/kg | Thallium | 0.63 | UJ | No |
| GDI | SS | GDISB01201 | mg/kg | Thallium | 0.61 | UJ | No |
| GDI | SS | GDISB01801b | mg/kg | Tin | 7.5 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Tin | 6.8 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Tin | 2.5 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Tin | 2.2 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Tin | 1 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Tin | 0.98 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Tin | 1.2 | U | No |
| GDI | SS | GDISB00701 | mg/kg | Tin | 1.2 | U | No |
| GDI | SS | GDISB00601 | mg/kg | Tin | 1.1 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SS | GDISB00501 | mg/kg | Tin | 1.1 | U | No |
| GDI | SS | GDISB01101 | mg/kg | Tin | 0.92 | U | No |
| GDI | SS | GDISB01601 | mg/kg | Tin | 0.9 | U | No |
| GDI | SS | GDISB01201 | mg/kg | Tin | 0.88 | U | No |
| GDI | SS | GDISB00901 | mg/kg | Vanadium | 53.3 | = | Yes |
| GDI | SS | GDISB00801 | mg/kg | Vanadium | 51.6 | = | Yes |
| GDI | SS | GDISB00701 | mg/kg | Vanadium | 49.3 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Vanadium | 43.9 | = | Yes |
| GDI | SS | GDISB00601 | mg/kg | Vanadium | 41.1 | = | Yes |
| GDI | SS | GDISB01701 | mg/kg | Vanadium | 25.5 | = | Yes |
| GDI | SS | GDISB01201 | mg/kg | Vanadium | 20.6 | = | Yes |
| GDI | SS | GDISB01301 | mg/kg | Vanadium | 19.4 | = | Yes |
| GDI | SS | GDISB01101 | mg/kg | Vanadium | 15.3 | = | Yes |
| GDI | SS | GDISB00201 | mg/kg | Vanadium | 15 | = | Yes |
| GDI | SS | GDISB01801b | mg/kg | Vanadium | 12.9 | = | Yes |
| GDI | SS | GDISB00501 | mg/kg | Vanadium | 8.6 | = | Yes |
| GDI | SS | GDISB01601 | mg/kg | Vanadium | 8.5 | = | Yes |
| GDI | SS | GDISB01001 | mg/kg | Zinc | 150 | J | Yes |
| GDI | SS | GDISB01801b | mg/kg | Zinc | 113 | J | Yes |
| GDI | SS | GDISB00801 | mg/kg | Zinc | 92.2 | J | Yes |
| GDI | SS | GDISB00701 | mg/kg | Zinc | 84.8 | J | Yes |
| GDI | SS | GDISB00601 | mg/kg | Zinc | 80.4 | J | Yes |
| GDI | SS | GDISB00901 | mg/kg | Zinc | 62.9 | J | Yes |
| GDI | SS | GDISB00201 | mg/kg | Zinc | 46 | J | Yes |
| GDI | SS | GDISB01701 | mg/kg | Zinc | 37.4 | J | Yes |
| GDI | SS | GDISB01301 | mg/kg | Zinc | 28 | J | Yes |
| GDI | SS | GDISB01201 | mg/kg | Zinc | 22.1 | J | Yes |
| GDI | SS | GDISB01101 | mg/kg | Zinc | 16.7 | J | Yes |
| GDI | SS | GDISB01601 | mg/kg | Zinc | 11.4 | J | Yes |
| GDI | SS | GDISB00501 | mg/kg | Zinc | 5.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB00401 | mg/kg | Aluminum | 8320 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Aluminum | 6760 | = | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Aluminum | 5740 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Aluminum | 5470 | = | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Aluminum | 5080 | = | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Aluminum | 5030 | = | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Aluminum | 4970 | = | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Aluminum | 4780 | = | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Aluminum | 4050 | = | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Antimony | 0.59 | J | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Antimony | 0.42 | UJ | No |
| GDK-A | SS | GDKSB00401 | mg/kg | Antimony | 0.42 | UJ | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Antimony | 0.4 | UJ | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Antimony | 0.4 | UJ | No |
| GDK-A | SS | GDKSB00601 | mg/kg | Antimony | 0.32 | UJ | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Antimony | 0.31 | UJ | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Antimony | 0.31 | UJ | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Antimony | 0.31 | UJ | No |
| GDK-A | SS | GDKSB01401 | mg/kg | Arsenic | 92.3 | = | Yes |
| GDK-A | SS | GDKSB01601 | mg/kg | Arsenic | 55.2 | = | Yes |
| GDK-A | SS | GDKSB01701 | mg/kg | Arsenic | 2.76 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Arsenic | 2.5 | = | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Arsenic | 2.3 | = | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Arsenic | 1.9 | J | Yes |
| GDK-A | SS | GDKSB01801 | mg/kg | Arsenic | 1.82 | = | Yes |
| GDK-A | SS | GDKSB01501 | mg/kg | Arsenic | 1.58 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Arsenic | 1.5 | J | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Arsenic | 1.3 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Arsenic | 1.3 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Arsenic | 1.2 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB01901 | mg/kg | Arsenic | 1.02 | = | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Arsenic | 0.88 | J | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Arsenic | 0.6 | J | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Barium | 20 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Barium | 17.9 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Barium | 14.4 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Barium | 14.3 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Barium | 13.3 | J | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Barium | 13.1 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Barium | 8.9 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Barium | 6.9 | J | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Barium | 6.6 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Beryllium | 0.32 | J | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Beryllium | 0.13 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Beryllium | 0.08 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Beryllium | 0.07 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Beryllium | 0.06 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Beryllium | 0.05 | U | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Beryllium | 0.04 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Beryllium | 0.04 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Beryllium | 0.04 | U | No |
| GDK-A | SS | GDKSB00301 | mg/kg | Cadmium | 0.08 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Cadmium | 0.21 | U | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Cadmium | 0.2 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Cadmium | 0.2 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Cadmium | 0.2 | U | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Cadmium | 0.05 | U | No |
| GDK-A | SS | GDKSB00401 | mg/kg | Cadmium | 0.05 | U | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Cadmium | 0.04 | U | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Cadmium | 0.04 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB00601 | mg/kg | Calcium | 2960 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Calcium | 2080 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Calcium | 676 | J | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Calcium | 617 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Calcium | 510 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Calcium | 480 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Calcium | 416 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Calcium | 396 | J | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Calcium | 275 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Chromium, Total | 6.3 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Chromium, Total | 5.2 | = | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Chromium, Total | 4.9 | = | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Chromium, Total | 4.3 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Chromium, Total | 4 | = | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Chromium, Total | 4 | = | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Chromium, Total | 3.3 | = | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Chromium, Total | 3.1 | = | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Chromium, Total | 2.8 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Cobalt | 0.46 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Cobalt | 0.2 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Cobalt | 0.16 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Cobalt | 0.28 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Cobalt | 0.27 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Cobalt | 0.27 | U | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Cobalt | 0.26 | U | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Cobalt | 0.14 | UJ | No |
| GDK-A | SS | GDKSB00301 | mg/kg | Cobalt | 0.14 | UJ | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Copper | 4.8 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Copper | 3.8 | J | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Copper | 2.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB01601 | mg/kg | Copper | 2.53 | = | Yes |
| GDK-A | SS | GDKSB01801 | mg/kg | Copper | 1.67 | = | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Copper | 1.6 | J | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Copper | 1.5 | J | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Copper | 0.9 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Copper | 1.8 | UJ | No |
| GDK-A | SS | GDKSB01401 | mg/kg | Copper | 1.67 | U | No |
| GDK-A | SS | GDKSB00401 | mg/kg | Copper | 1 | UJ | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Copper | 0.96 | UJ | No |
| GDK-A | SS | GDKSB01701 | mg/kg | Copper | 0.811 | U | No |
| GDK-A | SS | GDKSB01901 | mg/kg | Copper | 0.465 | U | No |
| GDK-A | SS | GDKSB01501 | mg/kg | Copper | 0.443 | U | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Iron | 7990 | = | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Iron | 5140 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Iron | 3860 | = | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Iron | 3660 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Iron | 3620 | = | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Iron | 2430 | = | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Iron | 2130 | = | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Iron | 1730 | = | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Iron | 1200 | = | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Lead | 259 | = | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Lead | 32.5 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Lead | 28.9 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Lead | 23.3 | = | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Lead | 19.7 | = | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Lead | 17.8 | = | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Lead | 16.2 | = | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Lead | 10.9 | = | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Lead | 8.9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB00301 | mg/kg | Magnesium | 251 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Magnesium | 172 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Magnesium | 159 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Magnesium | 141 | J | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Magnesium | 134 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Magnesium | 112 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Magnesium | 98.5 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Magnesium | 88.6 | J | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Magnesium | 65.6 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Manganese | 45 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Manganese | 17.1 | = | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Manganese | 17 | = | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Manganese | 11.4 | = | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Manganese | 7.6 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Manganese | 7.1 | = | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Manganese | 6 | = | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Manganese | 4 | = | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Manganese | 3.2 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Mercury | 0.06 | U | No |
| GDK-A | SS | GDKSB00301 | mg/kg | Mercury | 0.06 | U | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SS | GDKSB00601 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Nickel | 2 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Nickel | 1.7 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Nickel | 1.7 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB00301 | mg/kg | Nickel | 1.4 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Nickel | 0.39 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Nickel | 0.25 | UJ | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Nickel | 0.24 | UJ | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Nickel | 0.24 | UJ | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Nickel | 0.24 | UJ | No |
| GDK-A | SS | GDKSB00301 | mg/kg | Potassium | 112 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Potassium | 81.4 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Potassium | 74 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Potassium | 55.9 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Potassium | 49.2 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Potassium | 42.2 | J | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Potassium | 69.2 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Potassium | 69.1 | U | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Potassium | 68.2 | U | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Selenium | 0.71 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Selenium | 0.69 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Selenium | 0.63 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Selenium | 1.2 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Selenium | 0.51 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Selenium | 0.5 | U | No |
| GDK-A | SS | GDKSB00601 | mg/kg | Selenium | 0.48 | U | No |
| GDK-A | SS | GDKSB00301 | mg/kg | Selenium | 0.45 | U | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Selenium | 0.42 | U | No |
| GDK-A | SS | GDKSB00401 | mg/kg | Silver | 0.88 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Silver | 0.24 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Silver | 0.28 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Silver | 0.27 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Silver | 0.27 | U | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Silver | 0.26 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB00301 | mg/kg | Silver | 0.21 | UJ | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Silver | 0.21 | UJ | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Silver | 0.2 | UJ | No |
| GDK-A | SS | GDKSB00301 | mg/kg | Sodium | 21.1 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Sodium | 19.1 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Sodium | 15.1 | J | Yes |
| GDK-A | SS | GDKSB00401 | mg/kg | Sodium | 14.2 | J | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Sodium | 12.6 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Sodium | 11 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Sodium | 12.5 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Sodium | 11.9 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Sodium | 11.4 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Thallium | 1.2 | U | No |
| GDK-A | SS | GDKSB00601 | mg/kg | Thallium | 1.2 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Thallium | 1.2 | U | No |
| GDK-A | SS | GDKSB00801 | mg/kg | Thallium | 1.2 | U | No |
| GDK-A | SS | GDKSB00301 | mg/kg | Thallium | 0.66 | UJ | No |
| GDK-A | SS | GDKSB00401 | mg/kg | Thallium | 0.65 | UJ | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Thallium | 0.65 | UJ | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Thallium | 0.63 | UJ | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Thallium | 0.62 | UJ | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Tin | 32 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Tin | 12.7 | J | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Tin | 10.5 | J | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Tin | 11.6 | UJ | No |
| GDK-A | SS | GDKSB00401 | mg/kg | Tin | 11.5 | UJ | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Tin | 11.5 | UJ | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Tin | 11 | UJ | No |
| GDK-A | SS | GDKSB00601 | mg/kg | Tin | 9.3 | UJ | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Tin | 9 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SS | GDKSB00401 | mg/kg | Vanadium | 12.5 | = | Yes |
| GDK-A | SS | GDKSB00501 | mg/kg | Vanadium | 10.3 | J | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Vanadium | 8.9 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Vanadium | 8.5 | J | Yes |
| GDK-A | SS | GDKSB00701 | mg/kg | Vanadium | 7.6 | J | Yes |
| GDK-A | SS | GDKSB00601 | mg/kg | Vanadium | 6.2 | J | Yes |
| GDK-A | SS | GDKSB00101 | mg/kg | Vanadium | 6 | J | Yes |
| GDK-A | SS | GDKSB00901 | mg/kg | Vanadium | 5.8 | J | Yes |
| GDK-A | SS | GDKSB00201 | mg/kg | Vanadium | 5.3 | J | Yes |
| GDK-A | SS | GDKSB00801 | mg/kg | Zinc | 23.8 | = | Yes |
| GDK-A | SS | GDKSB00301 | mg/kg | Zinc | 17.1 | U | No |
| GDK-A | SS | GDKSB00701 | mg/kg | Zinc | 14.2 | U | No |
| GDK-A | SS | GDKSB00401 | mg/kg | Zinc | 13.6 | U | No |
| GDK-A | SS | GDKSB00101 | mg/kg | Zinc | 11.8 | U | No |
| GDK-A | SS | GDKSB00601 | mg/kg | Zinc | 10.9 | U | No |
| GDK-A | SS | GDKSB00501 | mg/kg | Zinc | 9.6 | U | No |
| GDK-A | SS | GDKSB00201 | mg/kg | Zinc | 4.2 | U | No |
| GDK-A | SS | GDKSB00901 | mg/kg | Zinc | 4.1 | U | No |
| GDK-C | SS | GDKSBCL301 | mg/kg | | 0.27 | UJ | No |
| GDK-C | SS | GDKSBCL401 | mg/kg | | 0.27 | UJ | No |
| GDK-C | SS | GDKSBCL101 | mg/kg | | 0.26 | UJ | No |
| GDK-C | SS | GDKSBCL201 | mg/kg | | 0.22 | UJ | No |
| GDK-C | SS | GDKSBCL101 | mg/kg | Aluminum | 24700 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Aluminum | 18500 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Aluminum | 10400 | = | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Aluminum | 5020 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Antimony | 2.2 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Antimony | 0.57 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Antimony | 0.48 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Antimony | 0.3 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-C | SS | GDKSBCL401 | mg/kg | Arsenic | 13.8 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Arsenic | 13.5 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Arsenic | 7.7 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Arsenic | 7.2 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Barium | 51.3 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Barium | 32.9 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Barium | 17.1 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Barium | 16.5 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Beryllium | 0.99 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Beryllium | 0.73 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Beryllium | 0.55 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Beryllium | 0.31 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Cadmium | 0.42 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Cadmium | 0.29 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Cadmium | 0.23 | U | No |
| GDK-C | SS | GDKSBCL201 | mg/kg | Cadmium | 0.19 | U | No |
| GDK-C | SS | GDKSBCL301 | mg/kg | Calcium | 59000 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Calcium | 47000 | = | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Calcium | 45700 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Calcium | 8100 | = | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Chromium, Total | 45.9 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Chromium, Total | 36.5 | = | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Chromium, Total | 21.3 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Chromium, Total | 20.9 | = | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Cobalt | 4.5 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Cobalt | 3.7 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Cobalt | 3 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Cobalt | 0.35 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Copper | 94.5 | = | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Copper | 44.2 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-C | SS | GDKSBCL101 | mg/kg | Copper | 39.8 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Copper | 11.3 | = | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Iron | 23400 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Iron | 19000 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Iron | 13500 | = | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Iron | 10400 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Lead | 70.8 | = | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Lead | 38.9 | = | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Lead | 37.7 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Lead | 15.8 | = | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Magnesium | 4240 | = | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Magnesium | 3140 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Magnesium | 3010 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Magnesium | 2110 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Manganese | 1050 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Manganese | 396 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Manganese | 368 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Manganese | 229 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Mercury | 0.52 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Mercury | 0.26 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Mercury | 0.17 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Mercury | 0.05 | UJ | No |
| GDK-C | SS | GDKSBCL101 | mg/kg | Nickel | 16.1 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Nickel | 16 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Nickel | 6.3 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Nickel | 4.6 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Potassium | 2010 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Potassium | 1320 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Potassium | 969 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Potassium | 859 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
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| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-C | SS | GDKSBCL401 | mg/kg | Selenium | 1.1 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Selenium | 0.51 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Selenium | 0.46 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Selenium | 0.49 | U | No |
| GDK-C | SS | GDKSBCL101 | mg/kg | Silver | 0.31 | J | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Silver | 0.31 | UJ | No |
| GDK-C | SS | GDKSBCL301 | mg/kg | Silver | 0.3 | UJ | No |
| GDK-C | SS | GDKSBCL201 | mg/kg | Silver | 0.25 | UJ | No |
| GDK-C | SS | GDKSBCL401 | mg/kg | Sodium | 2530 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Sodium | 2170 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Sodium | 551 | J | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Sodium | 150 | J | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Thallium | 1.4 | U | No |
| GDK-C | SS | GDKSBCL301 | mg/kg | Thallium | 1.4 | U | No |
| GDK-C | SS | GDKSBCL401 | mg/kg | Thallium | 1.4 | U | No |
| GDK-C | SS | GDKSBCL201 | mg/kg | Thallium | 1.1 | U | No |
| GDK-C | SS | GDKSBCL301 | mg/kg | Tin | 46 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Tin | 12.7 | U | No |
| GDK-C | SS | GDKSBCL101 | mg/kg | Tin | 12.6 | U | No |
| GDK-C | SS | GDKSBCL201 | mg/kg | Tin | 10.3 | U | No |
| GDK-C | SS | GDKSBCL101 | mg/kg | Vanadium | 51.2 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Vanadium | 43.9 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Vanadium | 26.3 | = | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Vanadium | 18.8 | = | Yes |
| GDK-C | SS | GDKSBCL401 | mg/kg | Zinc | 145 | = | Yes |
| GDK-C | SS | GDKSBCL101 | mg/kg | Zinc | 124 | J | Yes |
| GDK-C | SS | GDKSBCL301 | mg/kg | Zinc | 84.4 | = | Yes |
| GDK-C | SS | GDKSBCL201 | mg/kg | Zinc | 37 | = | Yes |
| RR | SS | GDLSB01301 | mg/kg | Arsenic | 91.8 | J | Yes |
| RR | SS | GDLSB01201 | mg/kg | Arsenic | 74.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| RR | SS | GDLSB02201 | mg/kg | Arsenic | 70.7 | J | Yes |
| RR | SS | GDLSB01001 | mg/kg | Arsenic | 68.3 | J | Yes |
| RR | SS | GDLSB02001 | mg/kg | Arsenic | 41.1 | J | Yes |
| RR | SS | GDLSB01701 | mg/kg | Arsenic | 34.3 | J | Yes |
| RR | SS | GDLSB01801 | mg/kg | Arsenic | 27.9 | J | Yes |
| RR | SS | GDLSB01401 | mg/kg | Arsenic | 26.2 | J | Yes |
| RR | SS | GDLSB01601 | mg/kg | Arsenic | 17.4 | J | Yes |
| RR | SS | GDLSB00501 | mg/kg | Arsenic | 16.6 | J | Yes |
| RR | SS | GDLSB00701 | mg/kg | Arsenic | 15.5 | J | Yes |
| RR | SS | GDLSB01901 | mg/kg | Arsenic | 14.5 | J | Yes |
| RR | SS | GDLSB00601 | mg/kg | Arsenic | 13.7 | J | Yes |
| RR | SS | GDLSB00901 | mg/kg | Arsenic | 9.07 | J | Yes |
| RR | SS | GDLSB00101 | mg/kg | Arsenic | 8.2 | J | Yes |
| RR | SS | GDLSB01501 | mg/kg | Arsenic | 7.29 | J | Yes |
| RR | SS | GDLSB00301 | mg/kg | Arsenic | 5.95 | J | Yes |
| RR | SS | GDLSB00201 | mg/kg | Arsenic | 4.82 | J | Yes |
| RR | SS | GDLSB00801 | mg/kg | Arsenic | 2.95 | J | Yes |
| RR | SS | GDLSB02101 | mg/kg | Arsenic | 2.04 | J | Yes |
| RR | SS | GDLSB00401 | mg/kg | Arsenic | 1.9 | J | Yes |
| RR | SS | GDLSB01001 | mg/kg | Copper | 109 | J | Yes |
| RR | SS | GDLSB00901 | mg/kg | Copper | 94.1 | J | Yes |
| RR | SS | GDLSB01901 | mg/kg | Copper | 88.7 | J | Yes |
| RR | SS | GDLSB00501 | mg/kg | Copper | 49.4 | J | Yes |
| RR | SS | GDLSB01401 | mg/kg | Copper | 49 | J | Yes |
| RR | SS | GDLSB01301 | mg/kg | Copper | 43.3 | J | Yes |
| RR | SS | GDLSB01701 | mg/kg | Copper | 38.5 | J | Yes |
| RR | SS | GDLSB01801 | mg/kg | Copper | 37.8 | J | Yes |
| RR | SS | GDLSB02201 | mg/kg | Copper | 36.3 | J | Yes |
| RR | SS | GDLSB02001 | mg/kg | Copper | 34.5 | J | Yes |
| RR | SS | GDLSB00701 | mg/kg | Copper | 31 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| RR | SS | GDLSB01201 | mg/kg | Copper | 30.8 | J | Yes |
| RR | SS | GDLSB01501 | mg/kg | Copper | 24.7 | J | Yes |
| RR | SS | GDLSB00601 | mg/kg | Copper | 19.4 | J | Yes |
| RR | SS | GDLSB01601 | mg/kg | Copper | 18.1 | J | Yes |
| RR | SS | GDLSB00401 | mg/kg | Copper | 15.3 | J | Yes |
| RR | SS | GDLSB00201 | mg/kg | Copper | 14.9 | J | Yes |
| RR | SS | GDLSB00101 | mg/kg | Copper | 14.9 | J | Yes |
| RR | SS | GDLSB00801 | mg/kg | Copper | 14.4 | J | Yes |
| RR | SS | GDLSB00301 | mg/kg | Copper | 13.2 | J | Yes |
| RR | SS | GDLSB02101 | mg/kg | Copper | 5.03 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Aluminum | 17500 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Aluminum | 14200 | = | Yes |
| GDA | SB | GDASB00302 | mg/kg | Aluminum | 11700 | = | Yes |
| GDA | SB | GDASB00702 | mg/kg | Aluminum | 11000 | = | Yes |
| GDA | SB | GDASB00602 | mg/kg | Aluminum | 9430 | = | Yes |
| GDA | SB | GDASB00102 | mg/kg | Aluminum | 8180 | = | Yes |
| GDA | SB | GDASB00202 | mg/kg | Aluminum | 7750 | = | Yes |
| GDA | SB | GDASB01102 | mg/kg | Aluminum | 7570 | = | Yes |
| GDA | SB | GDASB01402 | mg/kg | Aluminum | 7400 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Aluminum | 5780 | = | Yes |
| GDA | SB | GDASB01302 | mg/kg | Aluminum | 4630 | = | Yes |
| GDA | SB | GDASB00802 | mg/kg | Aluminum | 3850 | = | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Arsenic | 1.7 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Arsenic | 1.2 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Arsenic | 0.96 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Arsenic | 0.92 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Arsenic | 0.84 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Arsenic | 0.83 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Barium | 65 | J | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Barium | 58.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB01202 | mg/kg | Barium | 47.3 | = | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Barium | 38.1 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Barium | 25.2 | J | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Barium | 23.1 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Barium | 23.1 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Barium | 22.2 | J | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Barium | 20.1 | J | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Barium | 19.7 | J | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Barium | 15.5 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Barium | 14.8 | J | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Barium | 13.2 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Barium | 11.5 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Beryllium | 1.7 | J | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Beryllium | 1.1 | J | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Beryllium | 0.55 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Beryllium | 0.48 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Beryllium | 0.39 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Beryllium | 0.29 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Beryllium | 0.28 | J | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Beryllium | 0.29 | U | No |
| GDB | SB | GDBSB01402 | mg/kg | Beryllium | 0.24 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Beryllium | 0.23 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Beryllium | 0.23 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Beryllium | 0.22 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Beryllium | 0.21 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Beryllium | 0.21 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Cadmium | 2.5 | U | No |
| GDB | SB | GDBSB00202 | mg/kg | Cadmium | 1.8 | U | No |
| GDB | SB | GDBSB01002 | mg/kg | Cadmium | 1.4 | U | No |
| GDB | SB | GDBSB01102 | mg/kg | Cadmium | 1.4 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB01302 | mg/kg | Cadmium | 1.3 | U | No |
| GDB | SB | GDBSB00702 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SB | GDBSB01402 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SB | GDBSB00602 | mg/kg | Cadmium | 1.2 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SB | GDBSB01202 | mg/kg | Cadmium | 1.1 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Cadmium | 1 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Cadmium | 1 | U | No |
| GDB | SB | GDBSB01002 | mg/kg | Calcium | 182000 | = | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Calcium | 24900 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Calcium | 24100 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Calcium | 7340 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Calcium | 982 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Calcium | 691 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Calcium | 589 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Calcium | 580 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Calcium | 559 | J | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Calcium | 499 | J | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Calcium | 425 | J | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Calcium | 331 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Calcium | 329 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Calcium | 279 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Chromium, Total | 75.7 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Chromium, Total | 48.5 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Chromium, Total | 48.1 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Chromium, Total | 26.6 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Chromium, Total | 23.7 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Chromium, Total | 11.4 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB00702 | mg/kg | Chromium, Total | 10.4 | = | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Chromium, Total | 5.9 | = | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Chromium, Total | 4.8 | = | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Chromium, Total | 4.5 | = | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Chromium, Total | 4.4 | = | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Chromium, Total | 4.4 | = | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Chromium, Total | 2.6 | = | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Chromium, Total | 2.5 | = | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Cobalt | 10.6 | J | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Cobalt | 8 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Cobalt | 3 | J | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Cobalt | 2.4 | J | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Cobalt | 1.9 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Cobalt | 1.6 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Cobalt | 1.4 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Cobalt | 1.4 | U | No |
| GDB | SB | GDBSB01402 | mg/kg | Cobalt | 1.4 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Cobalt | 1.3 | U | No |
| GDB | SB | GDBSB01202 | mg/kg | Cobalt | 1.3 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Cobalt | 1.2 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Cobalt | 1.2 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Copper | 47 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Copper | 36.8 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Copper | 15.8 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Copper | 14.1 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Copper | 2.9 | J | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Copper | 2.5 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Copper | 2.4 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Copper | 2.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB01202 | mg/kg | Copper | 1.8 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Copper | 1.7 | J | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Copper | 1.3 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Copper | 1.1 | J | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Copper | 1.1 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Copper | 0.8 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Iron | 49100 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Iron | 29100 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Iron | 26000 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Iron | 15100 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Iron | 13800 | = | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Iron | 7520 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Iron | 6470 | = | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Iron | 3380 | = | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Iron | 3380 | = | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Iron | 2300 | = | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Iron | 2170 | = | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Iron | 1900 | = | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Iron | 1650 | = | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Iron | 1470 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Lead | 145 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Lead | 78.6 | J | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Lead | 24.4 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Lead | 9.8 | J | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Lead | 9 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Lead | 5.5 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Lead | 4.1 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Lead | 3.4 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Lead | 3.2 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Lead | 2.6 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB01502 | mg/kg | Lead | 2.4 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Lead | 2.4 | J | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Lead | 2.2 | J | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Lead | 1.4 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Magnesium | 9070 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Magnesium | 6120 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Magnesium | 4640 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Magnesium | 1620 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Magnesium | 1500 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Magnesium | 881 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Magnesium | 573 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Magnesium | 407 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Magnesium | 319 | J | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Magnesium | 288 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Magnesium | 252 | J | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Magnesium | 212 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Magnesium | 178 | J | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Magnesium | 147 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Manganese | 744 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Manganese | 288 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Manganese | 152 | = | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Manganese | 135 | = | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Manganese | 128 | = | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Manganese | 99.2 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Manganese | 53.8 | = | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Manganese | 46.1 | = | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Manganese | 45.7 | = | Yes |
| GDA | SB | GDASB01102 | mg/kg | Antimony | 15.4 | U | No |
| GDA | SB | GDASB00502 | mg/kg | Antimony | 15.2 | U | No |
| GDA | SB | GDASB00102 | mg/kg | Antimony | 14.5 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB00902 | mg/kg | Antimony | 13 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Antimony | 12.8 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Antimony | 12.6 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Antimony | 12.4 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Antimony | 12.3 | U | No |
| GDA | SB | GDASB00702 | mg/kg | Antimony | 12.2 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Antimony | 11.9 | U | No |
| GDA | SB | GDASB00202 | mg/kg | Antimony | 11.7 | U | No |
| GDA | SB | GDASB01402 | mg/kg | Antimony | 11.7 | U | No |
| GDA | SB | GDASB00102 | mg/kg | Arsenic | 6.9 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Arsenic | 6.2 | = | Yes |
| GDA | SB | GDASB01202 | mg/kg | Arsenic | 6 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Arsenic | 5.6 | = | Yes |
| GDA | SB | GDASB01102 | mg/kg | Arsenic | 5.5 | = | Yes |
| GDA | SB | GDASB00702 | mg/kg | Arsenic | 4.1 | = | Yes |
| GDA | SB | GDASB00302 | mg/kg | Arsenic | 4 | = | Yes |
| GDA | SB | GDASB00602 | mg/kg | Arsenic | 3.3 | = | Yes |
| GDA | SB | GDASB01402 | mg/kg | Arsenic | 2.4 | = | Yes |
| GDA | SB | GDASB00802 | mg/kg | Arsenic | 1.6 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Arsenic | 1.1 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Arsenic | 0.94 | U | No |
| GDA | SB | GDASB01402 | mg/kg | Barium | 31 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Barium | 24.5 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Barium | 22.6 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Barium | 20.2 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Barium | 16.2 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Barium | 15.4 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Barium | 13.8 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Barium | 13.1 | J | Yes |
| GDA | SB | GDASB00902 | mg/kg | Barium | 13 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB00502 | mg/kg | Barium | 10.9 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Barium | 10.7 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Barium | 5.7 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Beryllium | 0.3 | U | No |
| GDA | SB | GDASB00502 | mg/kg | Beryllium | 0.3 | U | No |
| GDA | SB | GDASB00102 | mg/kg | Beryllium | 0.28 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Beryllium | 0.25 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Beryllium | 0.25 | U | No |
| GDA | SB | GDASB00902 | mg/kg | Beryllium | 0.25 | U | No |
| GDA | SB | GDASB00702 | mg/kg | Beryllium | 0.24 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Beryllium | 0.24 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Beryllium | 0.24 | U | No |
| GDA | SB | GDASB00202 | mg/kg | Beryllium | 0.23 | U | No |
| GDA | SB | GDASB01402 | mg/kg | Beryllium | 0.23 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Beryllium | 0.23 | U | No |
| GDA | SB | GDASB01102 | mg/kg | Cadmium | 1.5 | U | No |
| GDA | SB | GDASB00502 | mg/kg | Cadmium | 1.5 | U | No |
| GDA | SB | GDASB00102 | mg/kg | Cadmium | 1.4 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Cadmium | 1.3 | U | No |
| GDA | SB | GDASB00902 | mg/kg | Cadmium | 1.3 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SB | GDASB00702 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SB | GDASB00202 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Cadmium | 1.2 | U | No |
| GDA | SB | GDASB01402 | mg/kg | Cadmium | 1.1 | U | No |
| GDA | SB | GDASB00502 | mg/kg | Calcium | 262000 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Calcium | 233000 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Calcium | 166000 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB01402 | mg/kg | Calcium | 31700 | = | Yes |
| GDA | SB | GDASB01202 | mg/kg | Calcium | 4580 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Calcium | 3500 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Calcium | 2740 | = | Yes |
| GDA | SB | GDASB01302 | mg/kg | Calcium | 2630 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Calcium | 1090 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Calcium | 1010 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Calcium | 837 | J | Yes |
| GDA | SB | GDASB00902 | mg/kg | Calcium | 491 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Chromium, Total | 63.4 | J | Yes |
| GDA | SB | GDASB00502 | mg/kg | Chromium, Total | 55.4 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Chromium, Total | 41.6 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Chromium, Total | 36.3 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Chromium, Total | 31.8 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Chromium, Total | 13.8 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Chromium, Total | 13.4 | = | Yes |
| GDA | SB | GDASB00602 | mg/kg | Chromium, Total | 13.3 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Chromium, Total | 12.6 | = | Yes |
| GDA | SB | GDASB01302 | mg/kg | Chromium, Total | 7.6 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Chromium, Total | 7.4 | = | Yes |
| GDA | SB | GDASB00802 | mg/kg | Chromium, Total | 6.3 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDA | SB | GDASB00502 | mg/kg | Cobalt | 1.8 | U | No |
| GDA | SB | GDASB01102 | mg/kg | Cobalt | 1.8 | U | No |
| GDA | SB | GDASB00102 | mg/kg | Cobalt | 1.7 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Cobalt | 1.5 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Cobalt | 1.5 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Cobalt | 1.5 | U | No |
| GDA | SB | GDASB00902 | mg/kg | Cobalt | 1.5 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB00202 | mg/kg | Cobalt | 1.4 | U | No |
| GDA | SB | GDASB00702 | mg/kg | Cobalt | 1.4 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Cobalt | 1.4 | U | No |
| GDA | SB | GDASB01102 | mg/kg | Copper | 12.9 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Copper | 11.2 | = | Yes |
| GDA | SB | GDASB01402 | mg/kg | Copper | 9.2 | = | Yes |
| GDA | SB | GDASB00102 | mg/kg | Copper | 8.8 | = | Yes |
| GDA | SB | GDASB01202 | mg/kg | Copper | 4.1 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Copper | 3.2 | J | Yes |
| GDA | SB | GDASB00902 | mg/kg | Copper | 2.9 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Copper | 2.7 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Copper | 2.7 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Copper | 2.3 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Copper | 2.1 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Copper | 1.1 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Iron | 37400 | J | Yes |
| GDA | SB | GDASB00902 | mg/kg | Iron | 20900 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Iron | 9870 | = | Yes |
| GDA | SB | GDASB01402 | mg/kg | Iron | 9060 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Iron | 8550 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Iron | 8170 | = | Yes |
| GDA | SB | GDASB00702 | mg/kg | Iron | 7810 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Iron | 7180 | J | Yes |
| GDA | SB | GDASB00502 | mg/kg | Iron | 5180 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Iron | 2610 | = | Yes |
| GDA | SB | GDASB01302 | mg/kg | Iron | 2560 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Iron | 2550 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Lead | 25.6 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Lead | 13.8 | = | Yes |
| GDA | SB | GDASB00602 | mg/kg | Lead | 12.2 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB01202 | mg/kg | Lead | 9.6 | = | Yes |
| GDA | SB | GDASB01302 | mg/kg | Lead | 8.5 | = | Yes |
| GDA | SB | GDASB00702 | mg/kg | Lead | 8.5 | = | Yes |
| GDA | SB | GDASB00302 | mg/kg | Lead | 5.6 | = | Yes |
| GDA | SB | GDASB00202 | mg/kg | Lead | 4.3 | = | Yes |
| GDA | SB | GDASB00102 | mg/kg | Lead | 4.2 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Lead | 2.8 | = | Yes |
| GDA | SB | GDASB00802 | mg/kg | Lead | 2.6 | = | Yes |
| GDA | SB | GDASB01102 | mg/kg | Lead | 2.4 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Magnesium | 10200 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Magnesium | 9520 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Magnesium | 4270 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Magnesium | 1380 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Magnesium | 1300 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Magnesium | 859 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Magnesium | 474 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Magnesium | 438 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Magnesium | 356 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Magnesium | 307 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Magnesium | 269 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Magnesium | 245 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Manganese | 91 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Manganese | 40.7 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Manganese | 38.9 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Manganese | 30.3 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Manganese | 21.7 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Manganese | 21.2 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Manganese | 16.5 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Manganese | 15.7 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Manganese | 12.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB01302 | mg/kg | Manganese | 11.1 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Manganese | 10.4 | = | Yes |
| GDA | SB | GDASB00702 | mg/kg | Manganese | 7.5 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Mercury | 0.15 | UJ | No |
| GDA | SB | GDASB00502 | mg/kg | Mercury | 0.15 | UJ | No |
| GDA | SB | GDASB00102 | mg/kg | Mercury | 0.15 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Mercury | 0.13 | UJ | No |
| GDA | SB | GDASB00902 | mg/kg | Mercury | 0.13 | UJ | No |
| GDA | SB | GDASB00302 | mg/kg | Mercury | 0.12 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Mercury | 0.12 | UJ | No |
| GDA | SB | GDASB00602 | mg/kg | Mercury | 0.12 | UJ | No |
| GDA | SB | GDASB00702 | mg/kg | Mercury | 0.12 | UJ | No |
| GDA | SB | GDASB00202 | mg/kg | Mercury | 0.12 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Mercury | 0.12 | UJ | No |
| GDA | SB | GDASB01402 | mg/kg | Mercury | 0.11 | U | No |
| GDA | SB | GDASB01102 | mg/kg | Nickel | 35 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Nickel | 28.5 | = | Yes |
| GDA | SB | GDASB00102 | mg/kg | Nickel | 15.1 | = | Yes |
| GDA | SB | GDASB01402 | mg/kg | Nickel | 9.1 | = | Yes |
| GDA | SB | GDASB01202 | mg/kg | Nickel | 4.5 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Nickel | 3.8 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Nickel | 3.6 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Nickel | 3.4 | J | Yes |
| GDA | SB | GDASB00902 | mg/kg | Nickel | 3.6 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Nickel | 3.5 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Nickel | 3.4 | U | No |
| GDA | SB | GDASB00702 | mg/kg | Nickel | 3.3 | U | No |
| GDA | SB | GDASB01102 | mg/kg | Potassium | 1470 | J | Yes |
| GDA | SB | GDASB00502 | mg/kg | Potassium | 1100 | J | Yes |
| GDA | SB | GDASB00902 | mg/kg | Potassium | 804 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB01202 | mg/kg | Potassium | 593 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Potassium | 566 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Potassium | 312 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Potassium | 291 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Potassium | 279 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Potassium | 248 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Potassium | 126 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Potassium | 121 | U | No |
| GDA | SB | GDASB00202 | mg/kg | Potassium | 120 | UJ | No |
| GDA | SB | GDASB00102 | mg/kg | Selenium | 2.6 | = | Yes |
| GDA | SB | GDASB01102 | mg/kg | Selenium | 1.3 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Selenium | 1.2 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Selenium | 1.1 | J | Yes |
| GDA | SB | GDASB00502 | mg/kg | Selenium | 0.95 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Selenium | 0.86 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Selenium | 0.83 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Selenium | 0.77 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Selenium | 0.75 | J | Yes |
| GDA | SB | GDASB00902 | mg/kg | Selenium | 0.76 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Selenium | 0.71 | UJ | No |
| GDA | SB | GDASB00202 | mg/kg | Selenium | 0.71 | U | No |
| GDA | SB | GDASB00202 | mg/kg | Silver | 1 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Silver | 0.91 | U | No |
| GDA | SB | GDASB00502 | mg/kg | Silver | 0.89 | U | No |
| GDA | SB | GDASB00102 | mg/kg | Silver | 0.85 | U | No |
| GDA | SB | GDASB00902 | mg/kg | Silver | 0.76 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Silver | 0.75 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Silver | 0.74 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Silver | 0.73 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Silver | 0.72 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB00702 | mg/kg | Silver | 0.72 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Silver | 0.7 | U | No |
| GDA | SB | GDASB01402 | mg/kg | Silver | 0.69 | U | No |
| GDA | SB | GDASB00502 | mg/kg | Sodium | 1550 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Sodium | 1460 | = | Yes |
| GDA | SB | GDASB01102 | mg/kg | Sodium | 1220 | J | Yes |
| GDA | SB | GDASB00102 | mg/kg | Sodium | 823 | J | Yes |
| GDA | SB | GDASB01402 | mg/kg | Sodium | 353 | J | Yes |
| GDA | SB | GDASB00302 | mg/kg | Sodium | 261 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Sodium | 259 | J | Yes |
| GDA | SB | GDASB01202 | mg/kg | Sodium | 259 | J | Yes |
| GDA | SB | GDASB00702 | mg/kg | Sodium | 256 | J | Yes |
| GDA | SB | GDASB00602 | mg/kg | Sodium | 248 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Sodium | 205 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Sodium | 195 | J | Yes |
| GDA | SB | GDASB00502 | mg/kg | Thallium | 1.2 | U | No |
| GDA | SB | GDASB01102 | mg/kg | Thallium | 1.2 | U | No |
| GDA | SB | GDASB00102 | mg/kg | Thallium | 1.2 | U | No |
| GDA | SB | GDASB00902 | mg/kg | Thallium | 1 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Thallium | 1 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Thallium | 0.97 | U | No |
| GDA | SB | GDASB00202 | mg/kg | Thallium | 0.95 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Thallium | 0.94 | U | No |
| GDA | SB | GDASB00702 | mg/kg | Thallium | 0.94 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Thallium | 0.93 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Thallium | 0.93 | U | No |
| GDA | SB | GDASB01402 | mg/kg | Thallium | 0.91 | U | No |
| GDA | SB | GDASB01302 | mg/kg | Tin | 9.2 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Tin | 11.2 | U | No |
| GDA | SB | GDASB00502 | mg/kg | Tin | 11 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB00102 | mg/kg | Tin | 10.5 | U | No |
| GDA | SB | GDASB00902 | mg/kg | Tin | 9.4 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Tin | 9.3 | U | No |
| GDA | SB | GDASB00302 | mg/kg | Tin | 9.1 | U | No |
| GDA | SB | GDASB00602 | mg/kg | Tin | 8.9 | U | No |
| GDA | SB | GDASB00702 | mg/kg | Tin | 8.9 | U | No |
| GDA | SB | GDASB00802 | mg/kg | Tin | 8.6 | U | No |
| GDA | SB | GDASB01402 | mg/kg | Tin | 8.5 | U | No |
| GDA | SB | GDASB00202 | mg/kg | Tin | 8.5 | U | No |
| GDA | SB | GDASB01202 | mg/kg | Vanadium | 48.8 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Vanadium | 41.4 | = | Yes |
| GDA | SB | GDASB01102 | mg/kg | Vanadium | 35 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Vanadium | 33.4 | = | Yes |
| GDA | SB | GDASB00102 | mg/kg | Vanadium | 24 | = | Yes |
| GDA | SB | GDASB00702 | mg/kg | Vanadium | 22.9 | = | Yes |
| GDA | SB | GDASB00302 | mg/kg | Vanadium | 18.7 | = | Yes |
| GDA | SB | GDASB00602 | mg/kg | Vanadium | 18.6 | = | Yes |
| GDA | SB | GDASB01402 | mg/kg | Vanadium | 10.9 | J | Yes |
| GDA | SB | GDASB00202 | mg/kg | Vanadium | 9.3 | J | Yes |
| GDA | SB | GDASB00802 | mg/kg | Vanadium | 5.6 | J | Yes |
| GDA | SB | GDASB01302 | mg/kg | Vanadium | 5.5 | J | Yes |
| GDA | SB | GDASB01102 | mg/kg | Zinc | 65.6 | = | Yes |
| GDA | SB | GDASB00502 | mg/kg | Zinc | 60.7 | = | Yes |
| GDA | SB | GDASB00102 | mg/kg | Zinc | 39.1 | = | Yes |
| GDA | SB | GDASB01302 | mg/kg | Zinc | 31.3 | = | Yes |
| GDA | SB | GDASB01402 | mg/kg | Zinc | 27.1 | = | Yes |
| GDA | SB | GDASB00902 | mg/kg | Zinc | 16.6 | = | Yes |
| GDA | SB | GDASB01202 | mg/kg | Zinc | 15.5 | = | Yes |
| GDA | SB | GDASB00602 | mg/kg | Zinc | 14.7 | = | Yes |
| GDA | SB | GDASB00802 | mg/kg | Zinc | 12.9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDA | SB | GDASB00302 | mg/kg | Zinc | 9.2 | = | Yes |
| GDA | SB | GDASB00702 | mg/kg | Zinc | 8 | = | Yes |
| GDA | SB | GDASB00202 | mg/kg | Zinc | 6 | = | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Aluminum | 55600 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Aluminum | 32900 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Aluminum | 17200 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Aluminum | 14900 | = | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Aluminum | 11200 | = | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Aluminum | 10100 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Aluminum | 9640 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Aluminum | 6630 | = | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Aluminum | 4930 | = | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Aluminum | 3790 | = | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Aluminum | 3530 | = | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Aluminum | 2730 | = | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Aluminum | 2130 | = | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Aluminum | 1970 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Antimony | 22.6 | = | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Antimony | 25.3 | U | No |
| GDB | SB | GDBSB01002 | mg/kg | Antimony | 14.6 | U | No |
| GDB | SB | GDBSB01102 | mg/kg | Antimony | 13.9 | U | No |
| GDB | SB | GDBSB01302 | mg/kg | Antimony | 13.5 | U | No |
| GDB | SB | GDBSB00702 | mg/kg | Antimony | 12.2 | U | No |
| GDB | SB | GDBSB01402 | mg/kg | Antimony | 12.1 | U | No |
| GDB | SB | GDBSB00602 | mg/kg | Antimony | 12.1 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Antimony | 12 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Antimony | 11.8 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Antimony | 11.2 | U | No |
| GDB | SB | GDBSB01202 | mg/kg | Antimony | 11.1 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Antimony | 10.6 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB00402 | mg/kg | Antimony | 10.6 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Arsenic | 33.9 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Arsenic | 15.8 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Arsenic | 11.7 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Arsenic | 10.8 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Arsenic | 4.7 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Arsenic | 3.8 | = | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Arsenic | 3.4 | = | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Arsenic | 1.7 | J | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Manganese | 37.5 | = | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Manganese | 31.2 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Manganese | 22.9 | = | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Manganese | 20.6 | = | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Manganese | 8.6 | = | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Mercury | 2 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Mercury | 0.73 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Mercury | 0.18 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Mercury | 0.15 | U | No |
| GDB | SB | GDBSB01102 | mg/kg | Mercury | 0.14 | U | No |
| GDB | SB | GDBSB00602 | mg/kg | Mercury | 0.12 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Mercury | 0.12 | U | No |
| GDB | SB | GDBSB00702 | mg/kg | Mercury | 0.12 | U | No |
| GDB | SB | GDBSB01402 | mg/kg | Mercury | 0.12 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Mercury | 0.12 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SB | GDBSB01202 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Mercury | 0.11 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Nickel | 25 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Nickel | 20.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB00202 | mg/kg | Nickel | 15.5 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Nickel | 13.7 | = | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Nickel | 7.5 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Nickel | 7.3 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Nickel | 7.1 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Nickel | 6.5 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Nickel | 4.6 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Nickel | 3.3 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Nickel | 3.2 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Nickel | 3.1 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Nickel | 2.9 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Nickel | 2.9 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Potassium | 4720 | J | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Potassium | 2250 | J | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Potassium | 970 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Potassium | 690 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Potassium | 609 | J | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Potassium | 471 | J | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Potassium | 254 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Potassium | 216 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Potassium | 176 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Potassium | 123 | UJ | No |
| GDB | SB | GDBSB00902 | mg/kg | Potassium | 114 | UJ | No |
| GDB | SB | GDBSB01202 | mg/kg | Potassium | 114 | UJ | No |
| GDB | SB | GDBSB00802 | mg/kg | Potassium | 108 | UJ | No |
| GDB | SB | GDBSB00402 | mg/kg | Potassium | 108 | UJ | No |
| GDB | SB | GDBSB01002 | mg/kg | Selenium | 3.8 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Selenium | 2.1 | = | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Selenium | 2.1 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Selenium | 0.72 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB01102 | mg/kg | Selenium | 0.81 | U | No |
| GDB | SB | GDBSB01302 | mg/kg | Selenium | 0.81 | U | No |
| GDB | SB | GDBSB01402 | mg/kg | Selenium | 0.72 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Selenium | 0.72 | U | No |
| GDB | SB | GDBSB00702 | mg/kg | Selenium | 0.71 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Selenium | 0.69 | U | No |
| GDB | SB | GDBSB01202 | mg/kg | Selenium | 0.67 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Selenium | 0.65 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Selenium | 0.63 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Selenium | 0.63 | U | No |
| GDB | SB | GDBSB01302 | mg/kg | Silver | 1.8 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Silver | 1.7 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Silver | 1.5 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Silver | 1.4 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Silver | 1.3 | J | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Silver | 1.3 | J | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Silver | 1.2 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Silver | 1.5 | U | No |
| GDB | SB | GDBSB00202 | mg/kg | Silver | 1.1 | U | No |
| GDB | SB | GDBSB01002 | mg/kg | Silver | 0.86 | U | No |
| GDB | SB | GDBSB00602 | mg/kg | Silver | 0.71 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Silver | 0.7 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Silver | 0.69 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Silver | 0.62 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Sodium | 12600 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Sodium | 1600 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Sodium | 934 | J | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Sodium | 844 | J | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Sodium | 290 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Sodium | 207 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB01502 | mg/kg | Sodium | 193 | J | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Sodium | 193 | J | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Sodium | 191 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Sodium | 185 | J | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Sodium | 183 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Sodium | 170 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Sodium | 166 | J | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Sodium | 159 | J | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Thallium | 2 | U | No |
| GDB | SB | GDBSB00202 | mg/kg | Thallium | 1.4 | U | No |
| GDB | SB | GDBSB01002 | mg/kg | Thallium | 1.2 | U | No |
| GDB | SB | GDBSB01102 | mg/kg | Thallium | 1.1 | U | No |
| GDB | SB | GDBSB01302 | mg/kg | Thallium | 1.1 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Thallium | 0.96 | U | No |
| GDB | SB | GDBSB01402 | mg/kg | Thallium | 0.96 | U | No |
| GDB | SB | GDBSB00702 | mg/kg | Thallium | 0.95 | U | No |
| GDB | SB | GDBSB00602 | mg/kg | Thallium | 0.93 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Thallium | 0.92 | U | No |
| GDB | SB | GDBSB01202 | mg/kg | Thallium | 0.89 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Thallium | 0.87 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Thallium | 0.84 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Thallium | 0.83 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Tin | 20.4 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Tin | 8.2 | J | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Tin | 13.3 | U | No |
| GDB | SB | GDBSB01002 | mg/kg | Tin | 10.6 | U | No |
| GDB | SB | GDBSB01102 | mg/kg | Tin | 10.1 | U | No |
| GDB | SB | GDBSB01302 | mg/kg | Tin | 9.8 | U | No |
| GDB | SB | GDBSB00702 | mg/kg | Tin | 8.9 | U | No |
| GDB | SB | GDBSB00602 | mg/kg | Tin | 8.8 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB01402 | mg/kg | Tin | 8.8 | U | No |
| GDB | SB | GDBSB00502 | mg/kg | Tin | 8.7 | U | No |
| GDB | SB | GDBSB01502 | mg/kg | Tin | 8.5 | U | No |
| GDB | SB | GDBSB00902 | mg/kg | Tin | 8.1 | U | No |
| GDB | SB | GDBSB00802 | mg/kg | Tin | 7.7 | U | No |
| GDB | SB | GDBSB00402 | mg/kg | Tin | 7.7 | U | No |
| GDB | SB | GDBSB00102 | mg/kg | Vanadium | 102 | = | Yes |
| GDB | SB | GDBSB00202 | mg/kg | Vanadium | 64.5 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Vanadium | 32.2 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Vanadium | 31.4 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Vanadium | 28.3 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Vanadium | 16.2 | = | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Vanadium | 12.2 | J | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Vanadium | 4.9 | J | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Vanadium | 4.6 | J | Yes |
| GDB | SB | GDBSB00402 | mg/kg | Vanadium | 4.2 | J | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Vanadium | 3.9 | J | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Vanadium | 3.3 | J | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Vanadium | 0.95 | UJ | No |
| GDB | SB | GDBSB00802 | mg/kg | Vanadium | 0.83 | UJ | No |
| GDB | SB | GDBSB00202 | mg/kg | Zinc | 238 | = | Yes |
| GDB | SB | GDBSB00102 | mg/kg | Zinc | 199 | = | Yes |
| GDB | SB | GDBSB01002 | mg/kg | Zinc | 70.2 | = | Yes |
| GDB | SB | GDBSB01302 | mg/kg | Zinc | 66.4 | = | Yes |
| GDB | SB | GDBSB00602 | mg/kg | Zinc | 19.2 | = | Yes |
| GDB | SB | GDBSB00702 | mg/kg | Zinc | 14 | = | Yes |
| GDB | SB | GDBSB01102 | mg/kg | Zinc | 8.8 | = | Yes |
| GDB | SB | GDBSB01202 | mg/kg | Zinc | 8.1 | = | Yes |
| GDB | SB | GDBSB01502 | mg/kg | Zinc | 8 | = | Yes |
| GDB | SB | GDBSB00902 | mg/kg | Zinc | 7.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDB | SB | GDBSB00402 | mg/kg | Zinc | 7.2 | = | Yes |
| GDB | SB | GDBSB00502 | mg/kg | Zinc | 6 | = | Yes |
| GDB | SB | GDBSB00802 | mg/kg | Zinc | 4.5 | = | Yes |
| GDB | SB | GDBSB01402 | mg/kg | Zinc | 3.7 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Aluminum | 25400 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Aluminum | 17300 | = | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Aluminum | 16600 | = | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Aluminum | 14000 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Aluminum | 9320 | = | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Aluminum | 8460 | = | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Aluminum | 8280 | = | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Aluminum | 7530 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Aluminum | 6590 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Aluminum | 5940 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Aluminum | 5740 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Aluminum | 5630 | = | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Aluminum | 5220 | = | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Aluminum | 5050 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Aluminum | 5020 | = | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Aluminum | 4970 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Aluminum | 4060 | = | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Aluminum | 4020 | = | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Aluminum | 4010 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Aluminum | 3950 | = | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Aluminum | 3860 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Aluminum | 3630 | = | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Aluminum | 3470 | = | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Aluminum | 3350 | = | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Aluminum | 3120 | = | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Aluminum | 2990 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03802b | mg/kg | Aluminum | 2260 | = | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Aluminum | 1720 | = | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Aluminum | 1480 | = | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Aluminum | 1450 | = | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Antimony | 0.92 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Antimony | 0.59 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Antimony | 0.22 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Antimony | 0.54 | UJ | No |
| GDC | SB | GDCSB00402a | mg/kg | Antimony | 0.36 | UJ | No |
| GDC | SB | GDCSB01002 | mg/kg | Antimony | 0.34 | UJ | No |
| GDC | SB | GDCSB02702 | mg/kg | Antimony | 0.26 | UJ | No |
| GDC | SB | GDCSB03602 | mg/kg | Antimony | 0.25 | UJ | No |
| GDC | SB | GDCSB02402 | mg/kg | Antimony | 0.24 | UJ | No |
| GDC | SB | GDCSB03502 | mg/kg | Antimony | 0.24 | UJ | No |
| GDC | SB | GDCSB03102 | mg/kg | Antimony | 0.23 | UJ | No |
| GDC | SB | GDCSB00802a | mg/kg | Antimony | 0.23 | UJ | No |
| GDC | SB | GDCSB02802 | mg/kg | Antimony | 0.22 | UJ | No |
| GDC | SB | GDCSB01902 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SB | GDCSB01502 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SB | GDCSB02502 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SB | GDCSB02602 | mg/kg | Antimony | 0.21 | UJ | No |
| GDC | SB | GDCSB02302 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB03802b | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB02202 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB03202 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB03402 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB03702 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB00102b | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB03302 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB01402 | mg/kg | Antimony | 0.2 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02002 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB01202 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB01302 | mg/kg | Antimony | 0.2 | UJ | No |
| GDC | SB | GDCSB02102 | mg/kg | Antimony | 0.19 | UJ | No |
| GDC | SB | GDCSB03002 | mg/kg | Arsenic | 31.6 | = | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Arsenic | 14.1 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Arsenic | 12.1 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Arsenic | 11.2 | = | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Arsenic | 6.4 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Arsenic | 5.4 | = | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Arsenic | 3.1 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Arsenic | 2.7 | = | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Arsenic | 1.9 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Arsenic | 1.9 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Arsenic | 0.62 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Arsenic | 0.44 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Arsenic | 0.36 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Arsenic | 4.9 | U | No |
| GDC | SB | GDCSB02902 | mg/kg | Arsenic | 1.6 | U | No |
| GDC | SB | GDCSB03102 | mg/kg | Arsenic | 0.83 | U | No |
| GDC | SB | GDCSB02402 | mg/kg | Arsenic | 0.4 | U | No |
| GDC | SB | GDCSB00102b | mg/kg | Arsenic | 0.37 | U | No |
| GDC | SB | GDCSB02602 | mg/kg | Arsenic | 0.36 | UJ | No |
| GDC | SB | GDCSB01902 | mg/kg | Arsenic | 0.36 | UJ | No |
| GDC | SB | GDCSB03702 | mg/kg | Arsenic | 0.34 | U | No |
| GDC | SB | GDCSB02002 | mg/kg | Arsenic | 0.34 | UJ | No |
| GDC | SB | GDCSB03302 | mg/kg | Arsenic | 0.34 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Arsenic | 0.34 | U | No |
| GDC | SB | GDCSB01302 | mg/kg | Arsenic | 0.34 | U | No |
| GDC | SB | GDCSB02202 | mg/kg | Arsenic | 0.33 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB01402 | mg/kg | Arsenic | 0.33 | UJ | No |
| GDC | SB | GDCSB02102 | mg/kg | Arsenic | 0.33 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Arsenic | 0.33 | U | No |
| GDC | SB | GDCSB02302 | mg/kg | Arsenic | 0.33 | U | No |
| GDC | SB | GDCSB03602 | mg/kg | Barium | 64.6 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Barium | 39.6 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Barium | 30.2 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Barium | 30 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Barium | 29.8 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Barium | 24.5 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Barium | 24.5 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Barium | 22.2 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Barium | 18.7 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Barium | 18.5 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Barium | 18.2 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Barium | 18 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Barium | 17.5 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Barium | 17.1 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Barium | 16.9 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Barium | 16.7 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Barium | 14.9 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Barium | 12.9 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Barium | 11.5 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Barium | 10.5 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Barium | 9.8 | J | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Barium | 8.6 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Barium | 7.8 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Barium | 7.6 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Barium | 7.3 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Barium | 6.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02402 | mg/kg | Barium | 5 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Barium | 3.9 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Barium | 3.7 | J | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Barium | 3.6 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Beryllium | 0.98 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Beryllium | 0.86 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Beryllium | 0.61 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Beryllium | 0.24 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Beryllium | 0.43 | U | No |
| GDC | SB | GDCSB03502 | mg/kg | Beryllium | 0.32 | U | No |
| GDC | SB | GDCSB01902 | mg/kg | Beryllium | 0.21 | UJ | No |
| GDC | SB | GDCSB01502 | mg/kg | Beryllium | 0.21 | UJ | No |
| GDC | SB | GDCSB03202 | mg/kg | Beryllium | 0.17 | UJ | No |
| GDC | SB | GDCSB02502 | mg/kg | Beryllium | 0.17 | UJ | No |
| GDC | SB | GDCSB00902 | mg/kg | Beryllium | 0.16 | UJ | No |
| GDC | SB | GDCSB03002 | mg/kg | Beryllium | 0.13 | U | No |
| GDC | SB | GDCSB02002 | mg/kg | Beryllium | 0.13 | UJ | No |
| GDC | SB | GDCSB03702 | mg/kg | Beryllium | 0.13 | U | No |
| GDC | SB | GDCSB02802 | mg/kg | Beryllium | 0.12 | U | No |
| GDC | SB | GDCSB02602 | mg/kg | Beryllium | 0.12 | UJ | No |
| GDC | SB | GDCSB02902 | mg/kg | Beryllium | 0.11 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Beryllium | 0.1 | U | No |
| GDC | SB | GDCSB03902 | mg/kg | Beryllium | 0.08 | U | No |
| GDC | SB | GDCSB01402 | mg/kg | Beryllium | 0.08 | UJ | No |
| GDC | SB | GDCSB00102b | mg/kg | Beryllium | 0.07 | U | No |
| GDC | SB | GDCSB01202 | mg/kg | Beryllium | 0.07 | U | No |
| GDC | SB | GDCSB02302 | mg/kg | Beryllium | 0.06 | U | No |
| GDC | SB | GDCSB02202 | mg/kg | Beryllium | 0.06 | U | No |
| GDC | SB | GDCSB01302 | mg/kg | Beryllium | 0.06 | U | No |
| GDC | SB | GDCSB03102 | mg/kg | Beryllium | 0.06 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03302 | mg/kg | Beryllium | 0.06 | U | No |
| GDC | SB | GDCSB02402 | mg/kg | Beryllium | 0.06 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Beryllium | 0.03 | U | No |
| GDC | SB | GDCSB02102 | mg/kg | Beryllium | 0.03 | U | No |
| GDC | SB | GDCSB02702 | mg/kg | Cadmium | 0.28 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Cadmium | 0.23 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Cadmium | 0.13 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Cadmium | 0.34 | UJ | No |
| GDC | SB | GDCSB00402a | mg/kg | Cadmium | 0.3 | U | No |
| GDC | SB | GDCSB02502 | mg/kg | Cadmium | 0.28 | UJ | No |
| GDC | SB | GDCSB00802a | mg/kg | Cadmium | 0.06 | U | No |
| GDC | SB | GDCSB03902 | mg/kg | Cadmium | 0.05 | U | No |
| GDC | SB | GDCSB00102b | mg/kg | Cadmium | 0.05 | U | No |
| GDC | SB | GDCSB03502 | mg/kg | Cadmium | 0.04 | U | No |
| GDC | SB | GDCSB02402 | mg/kg | Cadmium | 0.04 | U | No |
| GDC | SB | GDCSB00902 | mg/kg | Cadmium | 0.04 | U | No |
| GDC | SB | GDCSB03102 | mg/kg | Cadmium | 0.04 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB01902 | mg/kg | Cadmium | 0.03 | UJ | No |
| GDC | SB | GDCSB01502 | mg/kg | Cadmium | 0.03 | UJ | No |
| GDC | SB | GDCSB02302 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB02602 | mg/kg | Cadmium | 0.03 | UJ | No |
| GDC | SB | GDCSB02902 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB01302 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB02102 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB03702 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB02802 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB02002 | mg/kg | Cadmium | 0.03 | UJ | No |
| GDC | SB | GDCSB03202 | mg/kg | Cadmium | 0.03 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB01402 | mg/kg | Cadmium | 0.03 | UJ | No |
| GDC | SB | GDCSB02202 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB03302 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB01202 | mg/kg | Cadmium | 0.03 | U | No |
| GDC | SB | GDCSB00402a | mg/kg | Calcium | 40300 | = | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Calcium | 23400 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Calcium | 20700 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Calcium | 17200 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Calcium | 9380 | = | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Calcium | 8740 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Calcium | 2870 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Calcium | 2600 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Calcium | 2490 | = | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Calcium | 1740 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Calcium | 1590 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Calcium | 1250 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Calcium | 884 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Calcium | 742 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Calcium | 738 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Calcium | 713 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Calcium | 638 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Calcium | 537 | = | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Calcium | 490 | J | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Calcium | 404 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Calcium | 392 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Calcium | 331 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Calcium | 269 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Calcium | 248 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Calcium | 181 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Calcium | 141 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02102 | mg/kg | Calcium | 96.4 | UJ | No |
| GDC | SB | GDCSB02302 | mg/kg | Calcium | 89.2 | UJ | No |
| GDC | SB | GDCSB03402 | mg/kg | Calcium | 86.7 | U | No |
| GDC | SB | GDCSB01202 | mg/kg | Calcium | 64.4 | UJ | No |
| GDC | SB | GDCSB01002 | mg/kg | Chromium, Total | 39.8 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Chromium, Total | 34.2 | = | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Chromium, Total | 31.8 | = | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Chromium, Total | 30 | = | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Chromium, Total | 11.1 | = | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Chromium, Total | 11.1 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Chromium, Total | 9.8 | = | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Chromium, Total | 9.4 | = | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Chromium, Total | 8 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Chromium, Total | 7.3 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Chromium, Total | 7.3 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Chromium, Total | 7.1 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Chromium, Total | 6.5 | = | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Chromium, Total | 6.2 | = | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Chromium, Total | 6.1 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Chromium, Total | 5.9 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Chromium, Total | 5.5 | = | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Chromium, Total | 5.5 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Chromium, Total | 5.1 | = | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Chromium, Total | 5 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Chromium, Total | 4.8 | = | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Chromium, Total | 4.2 | = | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Chromium, Total | 4.1 | = | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Chromium, Total | 3.8 | = | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Chromium, Total | 3.7 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Chromium, Total | 3.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03102 | mg/kg | Chromium, Total | 3.1 | = | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Chromium, Total | 2.5 | = | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Chromium, Total | 2.4 | = | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Chromium, Total | 2 | = | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Cobalt | 7.1 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Cobalt | 6 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Cobalt | 4.7 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Cobalt | 4.4 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Cobalt | 1.4 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Cobalt | 1 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Cobalt | 0.86 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Cobalt | 0.86 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Cobalt | 0.68 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Cobalt | 0.67 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Cobalt | 0.6 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Cobalt | 0.56 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Cobalt | 0.46 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Cobalt | 0.44 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Cobalt | 0.4 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Cobalt | 0.35 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Cobalt | 0.34 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Cobalt | 0.29 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Cobalt | 0.26 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Cobalt | 0.24 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Cobalt | 0.23 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Cobalt | 0.23 | J | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Cobalt | 0.14 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Cobalt | 0.14 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Cobalt | 0.66 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03202 | mg/kg | Cobalt | 0.65 | UJ | No |
| GDC | SB | GDCSB02002 | mg/kg | Cobalt | 0.58 | UJ | No |
| GDC | SB | GDCSB01402 | mg/kg | Cobalt | 0.38 | UJ | No |
| GDC | SB | GDCSB03802b | mg/kg | Cobalt | 0.06 | U | No |
| GDC | SB | GDCSB01002 | mg/kg | Copper | 31.5 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Copper | 18.6 | = | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Copper | 17.5 | = | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Copper | 15.5 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Copper | 11.4 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Copper | 5.9 | = | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Copper | 5.3 | = | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Copper | 4.8 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Copper | 3.7 | = | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Copper | 3.7 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Copper | 3 | = | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Copper | 2 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Copper | 1.7 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Copper | 1.7 | = | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Copper | 1.5 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Copper | 1.3 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Copper | 1.1 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Copper | 1 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Copper | 0.79 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Copper | 0.72 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Copper | 0.71 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Copper | 0.55 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Copper | 0.35 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Copper | 1.1 | U | No |
| GDC | SB | GDCSB03102 | mg/kg | Copper | 0.83 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Copper | 0.68 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB01302 | mg/kg | Copper | 0.6 | UJ | No |
| GDC | SB | GDCSB02202 | mg/kg | Copper | 0.57 | UJ | No |
| GDC | SB | GDCSB03302 | mg/kg | Copper | 0.54 | UJ | No |
| GDC | SB | GDCSB03402 | mg/kg | Copper | 0.26 | UJ | No |
| GDC | SB | GDCSB03602 | mg/kg | Iron | 36700 | = | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Iron | 26200 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Iron | 20900 | = | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Iron | 16500 | = | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Iron | 6410 | = | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Iron | 4700 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Iron | 4530 | = | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Iron | 4280 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Iron | 4180 | = | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Iron | 3820 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Iron | 3460 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Iron | 3350 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Iron | 3220 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Iron | 2910 | = | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Iron | 2810 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Iron | 2740 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Iron | 2450 | = | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Iron | 2410 | = | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Iron | 2320 | = | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Iron | 2160 | = | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Iron | 1980 | = | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Iron | 1880 | = | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Iron | 1570 | = | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Iron | 1390 | = | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Iron | 1360 | = | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Iron | 1290 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02102 | mg/kg | Iron | 1170 | = | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Iron | 1010 | = | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Iron | 732 | = | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Iron | 726 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Lead | 94.6 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Lead | 57.4 | = | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Lead | 32.6 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Lead | 30 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Lead | 24.8 | = | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Lead | 21.1 | = | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Lead | 20.3 | = | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Lead | 14.9 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Lead | 13 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Lead | 11.7 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Lead | 9.6 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Lead | 8.6 | = | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Lead | 7.9 | = | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Lead | 7.1 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Lead | 6.9 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Lead | 6.4 | = | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Lead | 5.5 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Lead | 5.3 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Lead | 4.8 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Lead | 4.5 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Lead | 4.3 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Lead | 4.3 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Lead | 3.7 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Lead | 3.2 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Lead | 3 | J | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Lead | 2.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB01402 | mg/kg | Lead | 2.8 | J | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Lead | 2.5 | = | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Lead | 2.4 | = | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Lead | 1.9 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Magnesium | 3940 | = | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Magnesium | 3870 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Magnesium | 2480 | = | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Magnesium | 1070 | = | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Magnesium | 896 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Magnesium | 494 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Magnesium | 489 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Magnesium | 425 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Magnesium | 374 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Magnesium | 331 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Magnesium | 330 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Magnesium | 307 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Magnesium | 299 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Magnesium | 247 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Magnesium | 210 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Magnesium | 203 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Magnesium | 191 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Magnesium | 180 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Magnesium | 156 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Magnesium | 144 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Magnesium | 142 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Magnesium | 138 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Magnesium | 137 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Magnesium | 130 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Magnesium | 109 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Magnesium | 101 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03802b | mg/kg | Magnesium | 95.1 | J | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Magnesium | 74.3 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Magnesium | 69 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Magnesium | 62.2 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Manganese | 520 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Manganese | 502 | = | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Manganese | 72.8 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Manganese | 57.4 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Manganese | 42.3 | = | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Manganese | 40.5 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Manganese | 38 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Manganese | 31.7 | = | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Manganese | 31.6 | = | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Manganese | 30.9 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Manganese | 26 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Manganese | 24.3 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Manganese | 18.9 | = | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Manganese | 18.3 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Manganese | 18.1 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Manganese | 17.8 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Manganese | 15.2 | = | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Manganese | 13.4 | = | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Manganese | 11.9 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Manganese | 11.4 | = | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Manganese | 9.8 | = | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Manganese | 9.5 | = | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Manganese | 9.4 | = | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Manganese | 8.6 | = | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Manganese | 6.9 | = | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Manganese | 5.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02102 | mg/kg | Manganese | 5 | = | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Manganese | 3.8 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Manganese | 3.2 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Manganese | 3.2 | = | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Mercury | 8.5 | = | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Mercury | 0.3 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Mercury | 0.26 | = | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Mercury | 0.19 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Mercury | 0.18 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Mercury | 0.14 | = | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Mercury | 0.13 | U | No |
| GDC | SB | GDCSB02402 | mg/kg | Mercury | 0.12 | U | No |
| GDC | SB | GDCSB03502 | mg/kg | Mercury | 0.12 | U | No |
| GDC | SB | GDCSB03102 | mg/kg | Mercury | 0.12 | U | No |
| GDC | SB | GDCSB00802a | mg/kg | Mercury | 0.12 | U | No |
| GDC | SB | GDCSB02802 | mg/kg | Mercury | 0.12 | U | No |
| GDC | SB | GDCSB01502 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB03302 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB01902 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB02602 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB02902 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB03202 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB03902 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB02002 | mg/kg | Mercury | 0.11 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SB | GDCSB01402 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SB | GDCSB03702 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SB | GDCSB02102 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SB | GDCSB01202 | mg/kg | Mercury | 0.1 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB01302 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SB | GDCSB02302 | mg/kg | Mercury | 0.1 | U | No |
| GDC | SB | GDCSB02202 | mg/kg | Mercury | 0.09 | U | No |
| GDC | SB | GDCSB00102b | mg/kg | Mercury | 0.09 | U | No |
| GDC | SB | GDCSB01002 | mg/kg | Nickel | 12.5 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Nickel | 9.3 | = | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Nickel | 7.4 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Nickel | 4.6 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Nickel | 4.1 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Nickel | 4.1 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Nickel | 3.8 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Nickel | 3.3 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Nickel | 2.1 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Nickel | 2.1 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Nickel | 1.9 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Nickel | 1.8 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Nickel | 1.7 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Nickel | 1.6 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Nickel | 1.4 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Nickel | 1.2 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Nickel | 0.79 | J | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Nickel | 0.75 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Nickel | 0.68 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Nickel | 0.6 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Nickel | 1.6 | U | No |
| GDC | SB | GDCSB03702 | mg/kg | Nickel | 1.3 | U | No |
| GDC | SB | GDCSB02302 | mg/kg | Nickel | 0.97 | U | No |
| GDC | SB | GDCSB03302 | mg/kg | Nickel | 0.85 | U | No |
| GDC | SB | GDCSB02202 | mg/kg | Nickel | 0.81 | U | No |
| GDC | SB | GDCSB01302 | mg/kg | Nickel | 0.79 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02102 | mg/kg | Nickel | 0.76 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Nickel | 0.62 | U | No |
| GDC | SB | GDCSB02402 | mg/kg | Nickel | 0.5 | U | No |
| GDC | SB | GDCSB00102b | mg/kg | Nickel | 0.16 | UJ | No |
| GDC | SB | GDCSB00402a | mg/kg | Potassium | 2460 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Potassium | 2170 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Potassium | 1690 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Potassium | 615 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Potassium | 307 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Potassium | 302 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Potassium | 278 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Potassium | 253 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Potassium | 237 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Potassium | 166 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Potassium | 160 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Potassium | 153 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Potassium | 149 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Potassium | 135 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Potassium | 125 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Potassium | 116 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Potassium | 111 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Potassium | 109 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Potassium | 105 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Potassium | 103 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Potassium | 77.2 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Potassium | 75.2 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Potassium | 70 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Potassium | 68.4 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Potassium | 67.2 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Potassium | 67.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03802b | mg/kg | Potassium | 63.6 | J | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Potassium | 55.5 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Potassium | 52.7 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Potassium | 41.3 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Selenium | 2.9 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Selenium | 2 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Selenium | 1.5 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Selenium | 1.2 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Selenium | 0.77 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Selenium | 0.72 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Selenium | 0.69 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Selenium | 0.63 | = | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Selenium | 0.61 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Selenium | 0.58 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Selenium | 0.49 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Selenium | 0.55 | UJ | No |
| GDC | SB | GDCSB03102 | mg/kg | Selenium | 0.53 | UJ | No |
| GDC | SB | GDCSB00902 | mg/kg | Selenium | 0.52 | UJ | No |
| GDC | SB | GDCSB02802 | mg/kg | Selenium | 0.51 | UJ | No |
| GDC | SB | GDCSB02602 | mg/kg | Selenium | 0.49 | UJ | No |
| GDC | SB | GDCSB03702 | mg/kg | Selenium | 0.47 | UJ | No |
| GDC | SB | GDCSB01302 | mg/kg | Selenium | 0.47 | UJ | No |
| GDC | SB | GDCSB03302 | mg/kg | Selenium | 0.47 | UJ | No |
| GDC | SB | GDCSB03202 | mg/kg | Selenium | 0.47 | UJ | No |
| GDC | SB | GDCSB02002 | mg/kg | Selenium | 0.47 | UJ | No |
| GDC | SB | GDCSB02202 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SB | GDCSB03402 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SB | GDCSB02902 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SB | GDCSB00102b | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SB | GDCSB01202 | mg/kg | Selenium | 0.46 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03002 | mg/kg | Selenium | 0.46 | UJ | No |
| GDC | SB | GDCSB03802b | mg/kg | Selenium | 0.46 | U | No |
| GDC | SB | GDCSB02302 | mg/kg | Selenium | 0.45 | UJ | No |
| GDC | SB | GDCSB02102 | mg/kg | Selenium | 0.45 | UJ | No |
| GDC | SB | GDCSB01002 | mg/kg | Silver | 0.09 | UJ | No |
| GDC | SB | GDCSB00402a | mg/kg | Silver | 0.09 | U | No |
| GDC | SB | GDCSB03902 | mg/kg | Silver | 0.07 | U | No |
| GDC | SB | GDCSB03602 | mg/kg | Silver | 0.07 | U | No |
| GDC | SB | GDCSB00802a | mg/kg | Silver | 0.07 | UJ | No |
| GDC | SB | GDCSB02702 | mg/kg | Silver | 0.07 | U | No |
| GDC | SB | GDCSB00102b | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SB | GDCSB02602 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SB | GDCSB01502 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SB | GDCSB02502 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SB | GDCSB03102 | mg/kg | Silver | 0.06 | U | No |
| GDC | SB | GDCSB01902 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SB | GDCSB02402 | mg/kg | Silver | 0.06 | U | No |
| GDC | SB | GDCSB02802 | mg/kg | Silver | 0.06 | U | No |
| GDC | SB | GDCSB03502 | mg/kg | Silver | 0.06 | U | No |
| GDC | SB | GDCSB00902 | mg/kg | Silver | 0.06 | UJ | No |
| GDC | SB | GDCSB03002 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB01302 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB01202 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB02902 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB01402 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SB | GDCSB02202 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB02002 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SB | GDCSB03702 | mg/kg | Silver | 0.05 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03202 | mg/kg | Silver | 0.05 | UJ | No |
| GDC | SB | GDCSB02302 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB03302 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB02102 | mg/kg | Silver | 0.05 | U | No |
| GDC | SB | GDCSB00402a | mg/kg | Sodium | 2160 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Sodium | 406 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Sodium | 290 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Sodium | 237 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Sodium | 201 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Sodium | 136 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Sodium | 133 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Sodium | 126 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Sodium | 125 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Sodium | 113 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Sodium | 109 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Sodium | 107 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Sodium | 214 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Sodium | 189 | U | No |
| GDC | SB | GDCSB00802a | mg/kg | Sodium | 130 | U | No |
| GDC | SB | GDCSB02502 | mg/kg | Sodium | 128 | U | No |
| GDC | SB | GDCSB02402 | mg/kg | Sodium | 125 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Sodium | 124 | U | No |
| GDC | SB | GDCSB00102b | mg/kg | Sodium | 124 | U | No |
| GDC | SB | GDCSB01502 | mg/kg | Sodium | 118 | U | No |
| GDC | SB | GDCSB02102 | mg/kg | Sodium | 117 | U | No |
| GDC | SB | GDCSB01302 | mg/kg | Sodium | 114 | U | No |
| GDC | SB | GDCSB02002 | mg/kg | Sodium | 114 | U | No |
| GDC | SB | GDCSB02602 | mg/kg | Sodium | 113 | U | No |
| GDC | SB | GDCSB02202 | mg/kg | Sodium | 109 | U | No |
| GDC | SB | GDCSB03702 | mg/kg | Sodium | 108 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03302 | mg/kg | Sodium | 108 | U | No |
| GDC | SB | GDCSB02302 | mg/kg | Sodium | 106 | U | No |
| GDC | SB | GDCSB01402 | mg/kg | Sodium | 101 | U | No |
| GDC | SB | GDCSB01202 | mg/kg | Sodium | 91.9 | U | No |
| GDC | SB | GDCSB03602 | mg/kg | Thallium | 0.93 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Thallium | 0.85 | U | No |
| GDC | SB | GDCSB01002 | mg/kg | Thallium | 0.8 | U | No |
| GDC | SB | GDCSB00802a | mg/kg | Thallium | 0.68 | U | No |
| GDC | SB | GDCSB02702 | mg/kg | Thallium | 0.63 | U | No |
| GDC | SB | GDCSB00102b | mg/kg | Thallium | 0.58 | U | No |
| GDC | SB | GDCSB03502 | mg/kg | Thallium | 0.57 | U | No |
| GDC | SB | GDCSB02402 | mg/kg | Thallium | 0.56 | U | No |
| GDC | SB | GDCSB03102 | mg/kg | Thallium | 0.54 | U | No |
| GDC | SB | GDCSB00902 | mg/kg | Thallium | 0.53 | U | No |
| GDC | SB | GDCSB02802 | mg/kg | Thallium | 0.52 | U | No |
| GDC | SB | GDCSB01902 | mg/kg | Thallium | 0.51 | U | No |
| GDC | SB | GDCSB02602 | mg/kg | Thallium | 0.5 | U | No |
| GDC | SB | GDCSB02502 | mg/kg | Thallium | 0.5 | U | No |
| GDC | SB | GDCSB01502 | mg/kg | Thallium | 0.5 | U | No |
| GDC | SB | GDCSB01302 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SB | GDCSB02002 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SB | GDCSB03702 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SB | GDCSB03202 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SB | GDCSB03302 | mg/kg | Thallium | 0.48 | U | No |
| GDC | SB | GDCSB01202 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SB | GDCSB03402 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SB | GDCSB02902 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SB | GDCSB03802b | mg/kg | Thallium | 0.47 | U | No |
| GDC | SB | GDCSB03002 | mg/kg | Thallium | 0.47 | U | No |
| GDC | SB | GDCSB02202 | mg/kg | Thallium | 0.47 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02302 | mg/kg | Thallium | 0.46 | U | No |
| GDC | SB | GDCSB02102 | mg/kg | Thallium | 0.46 | U | No |
| GDC | SB | GDCSB01402 | mg/kg | Thallium | 0.46 | U | No |
| GDC | SB | GDCSB03902 | mg/kg | Thallium | 0.39 | U | No |
| GDC | SB | GDCSB02502 | mg/kg | Tin | 2 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Tin | 1.9 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Tin | 1.6 | J | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Tin | 1.6 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Tin | 1.5 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Tin | 1.5 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Tin | 1.3 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Tin | 1.3 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Tin | 1.3 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Tin | 1.1 | J | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Tin | 1.1 | J | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Tin | 1 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Tin | 1 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Tin | 0.86 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Tin | 0.86 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Tin | 0.64 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Tin | 2.8 | U | No |
| GDC | SB | GDCSB00902 | mg/kg | Tin | 2.4 | U | No |
| GDC | SB | GDCSB02802 | mg/kg | Tin | 1.7 | U | No |
| GDC | SB | GDCSB03102 | mg/kg | Tin | 1.6 | U | No |
| GDC | SB | GDCSB02902 | mg/kg | Tin | 1.6 | U | No |
| GDC | SB | GDCSB00402a | mg/kg | Tin | 1.1 | UJ | No |
| GDC | SB | GDCSB00102b | mg/kg | Tin | 0.83 | U | No |
| GDC | SB | GDCSB02702 | mg/kg | Tin | 0.82 | U | No |
| GDC | SB | GDCSB03602 | mg/kg | Tin | 0.79 | U | No |
| GDC | SB | GDCSB03502 | mg/kg | Tin | 0.74 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02602 | mg/kg | Tin | 0.66 | UJ | No |
| GDC | SB | GDCSB01902 | mg/kg | Tin | 0.66 | UJ | No |
| GDC | SB | GDCSB01502 | mg/kg | Tin | 0.65 | UJ | No |
| GDC | SB | GDCSB01402 | mg/kg | Tin | 0.61 | UJ | No |
| GDC | SB | GDCSB01002 | mg/kg | Vanadium | 56.9 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Vanadium | 51.2 | = | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Vanadium | 40.4 | = | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Vanadium | 35.2 | = | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Vanadium | 16.9 | = | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Vanadium | 11 | = | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Vanadium | 10.6 | = | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Vanadium | 8.8 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Vanadium | 8.7 | = | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Vanadium | 7.1 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Vanadium | 6.4 | = | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Vanadium | 6.3 | = | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Vanadium | 5.9 | J | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Vanadium | 5.8 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Vanadium | 5.3 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Vanadium | 5.2 | = | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Vanadium | 5 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Vanadium | 4.7 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Vanadium | 4.1 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Vanadium | 4 | J | Yes |
| GDC | SB | GDCSB02302 | mg/kg | Vanadium | 3.9 | J | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Vanadium | 3.3 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Vanadium | 2.9 | J | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Vanadium | 2.7 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Vanadium | 2.5 | J | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Vanadium | 2.4 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB03302 | mg/kg | Vanadium | 2.3 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Vanadium | 1.9 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Vanadium | 1.7 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Vanadium | 1.5 | J | Yes |
| GDC | SB | GDCSB03902 | mg/kg | Zinc | 168 | = | Yes |
| GDC | SB | GDCSB01002 | mg/kg | Zinc | 149 | J | Yes |
| GDC | SB | GDCSB03002 | mg/kg | Zinc | 86.9 | J | Yes |
| GDC | SB | GDCSB00402a | mg/kg | Zinc | 82.3 | = | Yes |
| GDC | SB | GDCSB02502 | mg/kg | Zinc | 58.1 | J | Yes |
| GDC | SB | GDCSB02702 | mg/kg | Zinc | 57.5 | J | Yes |
| GDC | SB | GDCSB00902 | mg/kg | Zinc | 49.1 | = | Yes |
| GDC | SB | GDCSB02402 | mg/kg | Zinc | 47.6 | J | Yes |
| GDC | SB | GDCSB03302 | mg/kg | Zinc | 26.8 | J | Yes |
| GDC | SB | GDCSB03602 | mg/kg | Zinc | 23.4 | J | Yes |
| GDC | SB | GDCSB03502 | mg/kg | Zinc | 19.3 | J | Yes |
| GDC | SB | GDCSB00802a | mg/kg | Zinc | 17.7 | J | Yes |
| GDC | SB | GDCSB02902 | mg/kg | Zinc | 17.4 | J | Yes |
| GDC | SB | GDCSB01502 | mg/kg | Zinc | 11.4 | J | Yes |
| GDC | SB | GDCSB02602 | mg/kg | Zinc | 10.2 | J | Yes |
| GDC | SB | GDCSB03202 | mg/kg | Zinc | 9.7 | J | Yes |
| GDC | SB | GDCSB02802 | mg/kg | Zinc | 8.2 | J | Yes |
| GDC | SB | GDCSB02002 | mg/kg | Zinc | 7.4 | J | Yes |
| GDC | SB | GDCSB02202 | mg/kg | Zinc | 6.6 | J | Yes |
| GDC | SB | GDCSB01302 | mg/kg | Zinc | 6.1 | J | Yes |
| GDC | SB | GDCSB01202 | mg/kg | Zinc | 5 | J | Yes |
| GDC | SB | GDCSB03102 | mg/kg | Zinc | 4.8 | J | Yes |
| GDC | SB | GDCSB01902 | mg/kg | Zinc | 4.7 | J | Yes |
| GDC | SB | GDCSB03702 | mg/kg | Zinc | 4.6 | J | Yes |
| GDC | SB | GDCSB00102b | mg/kg | Zinc | 3.6 | = | Yes |
| GDC | SB | GDCSB02102 | mg/kg | Zinc | 3.6 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDC | SB | GDCSB02302 | mg/kg | Zinc | 3.2 | J | Yes |
| GDC | SB | GDCSB03802b | mg/kg | Zinc | 3 | J | Yes |
| GDC | SB | GDCSB03402 | mg/kg | Zinc | 2.1 | J | Yes |
| GDC | SB | GDCSB01402 | mg/kg | Zinc | 1.3 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Aluminum | 12800 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Aluminum | 4600 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Aluminum | 4450 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Aluminum | 3160 | = | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Aluminum | 2920 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Aluminum | 2850 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Antimony | 0.6 | UJ | No |
| GDD | SB | GDDSB00202 | mg/kg | Antimony | 0.51 | UJ | No |
| GDD | SB | GDDSB00102 | mg/kg | Antimony | 0.46 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Antimony | 0.4 | UJ | No |
| GDD | SB | GDDSB00402 | mg/kg | Antimony | 0.32 | UJ | No |
| GDD | SB | GDDSB00302 | mg/kg | Antimony | 0.32 | UJ | No |
| GDD | SB | GDDSB00502 | mg/kg | Arsenic | 5.8 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Arsenic | 1.9 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Arsenic | 1.6 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Arsenic | 1.2 | J | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Arsenic | 1 | J | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Arsenic | 0.74 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Barium | 28.9 | J | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Barium | 15.2 | J | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Barium | 13.9 | J | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Barium | 13.1 | J | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Barium | 10.4 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Barium | 7.7 | J | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Beryllium | 0.96 | = | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Beryllium | 0.83 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SB | GDDSB00102 | mg/kg | Beryllium | 0.12 | J | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Beryllium | 0.31 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Beryllium | 0.2 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Beryllium | 0.14 | U | No |
| GDD | SB | GDDSB00602 | mg/kg | Cadmium | 0.76 | = | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Cadmium | 0.3 | J | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Cadmium | 0.05 | U | No |
| GDD | SB | GDDSB00102 | mg/kg | Cadmium | 0.05 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Cadmium | 0.04 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Cadmium | 0.04 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Calcium | 82400 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Calcium | 2300 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Calcium | 870 | = | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Calcium | 544 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Calcium | 483 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Calcium | 142 | = | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Chromium, Total | 40.7 | J | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Chromium, Total | 8.1 | J | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Chromium, Total | 5.4 | J | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Chromium, Total | 5.3 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Chromium, Total | 4.8 | J | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Chromium, Total | 2.5 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Cobalt | 5.9 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Cobalt | 1.1 | J | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Cobalt | 0.74 | J | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Cobalt | 0.59 | J | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Cobalt | 0.3 | J | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Cobalt | 0.06 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Copper | 6.2 | U | No |
| GDD | SB | GDDSB00602 | mg/kg | Copper | 2.6 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SB | GDDSB00102 | mg/kg | Copper | 2 | U | No |
| GDD | SB | GDDSB00202 | mg/kg | Copper | 1.4 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Copper | 0.94 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Copper | 0.6 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Iron | 11100 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Iron | 1920 | = | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Iron | 1890 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Iron | 1620 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Iron | 1360 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Iron | 916 | = | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Lead | 9.2 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Lead | 7.1 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Lead | 2.2 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Lead | 2.1 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Lead | 1.6 | = | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Lead | 1.4 | = | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Magnesium | 5290 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Magnesium | 310 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Magnesium | 245 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Magnesium | 240 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Magnesium | 215 | = | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Magnesium | 102 | = | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Manganese | 50.6 | J | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Manganese | 13.9 | J | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Manganese | 9.1 | J | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Manganese | 6.4 | J | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Manganese | 5.2 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Manganese | 4.6 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Mercury | 0.05 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Mercury | 0.04 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SB | GDDSB00602 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SB | GDDSB00202 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Mercury | 0.04 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Nickel | 11.9 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Nickel | 3.3 | J | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Nickel | 2.3 | J | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Nickel | 1 | J | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Nickel | 0.95 | J | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Nickel | 0.84 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Potassium | 1240 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Potassium | 252 | U | No |
| GDD | SB | GDDSB00102 | mg/kg | Potassium | 249 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Potassium | 215 | U | No |
| GDD | SB | GDDSB00602 | mg/kg | Potassium | 214 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Potassium | 212 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Selenium | 1.9 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Selenium | 1.2 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Selenium | 0.6 | J | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Selenium | 0.34 | J | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Selenium | 0.37 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Selenium | 0.32 | U | No |
| GDD | SB | GDDSB00602 | mg/kg | Silver | 0.5 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Silver | 0.25 | U | No |
| GDD | SB | GDDSB00202 | mg/kg | Silver | 0.24 | U | No |
| GDD | SB | GDDSB00102 | mg/kg | Silver | 0.24 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Silver | 0.2 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Silver | 0.2 | U | No |
| GDD | SB | GDDSB00102 | mg/kg | Sodium | 179 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Sodium | 1740 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDD | SB | GDDSB00602 | mg/kg | Sodium | 180 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Sodium | 146 | U | No |
| GDD | SB | GDDSB00202 | mg/kg | Sodium | 145 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Sodium | 122 | U | No |
| GDD | SB | GDDSB00602 | mg/kg | Thallium | 0.68 | J | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Thallium | 0.45 | U | No |
| GDD | SB | GDDSB00202 | mg/kg | Thallium | 0.43 | U | No |
| GDD | SB | GDDSB00102 | mg/kg | Thallium | 0.42 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Thallium | 0.37 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Thallium | 0.36 | U | No |
| GDD | SB | GDDSB00602 | mg/kg | Tin | 1.7 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Tin | 1.4 | U | No |
| GDD | SB | GDDSB00302 | mg/kg | Tin | 1.2 | U | No |
| GDD | SB | GDDSB00202 | mg/kg | Tin | 1.2 | U | No |
| GDD | SB | GDDSB00102 | mg/kg | Tin | 1.1 | U | No |
| GDD | SB | GDDSB00402 | mg/kg | Tin | 0.53 | U | No |
| GDD | SB | GDDSB00502 | mg/kg | Vanadium | 28.6 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Vanadium | 5 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Vanadium | 4.2 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Vanadium | 3.7 | = | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Vanadium | 2 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Vanadium | 1.9 | = | Yes |
| GDD | SB | GDDSB00502 | mg/kg | Zinc | 40.4 | = | Yes |
| GDD | SB | GDDSB00602 | mg/kg | Zinc | 14.4 | = | Yes |
| GDD | SB | GDDSB00202 | mg/kg | Zinc | 12.8 | = | Yes |
| GDD | SB | GDDSB00402 | mg/kg | Zinc | 11 | = | Yes |
| GDD | SB | GDDSB00102 | mg/kg | Zinc | 10 | = | Yes |
| GDD | SB | GDDSB00302 | mg/kg | Zinc | 3.5 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Aluminum | 29900 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Aluminum | 25600 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB01002 | mg/kg | Aluminum | 16100 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Aluminum | 14900 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Aluminum | 13900 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Aluminum | 13700 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Aluminum | 10100 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Aluminum | 8170 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Aluminum | 7670 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Aluminum | 6100 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Aluminum | 6050 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Aluminum | 5640 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Aluminum | 5620 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Aluminum | 4750 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Aluminum | 4530 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Aluminum | 4530 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Aluminum | 3510 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Aluminum | 3480 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Aluminum | 3260 | = | Yes |
| GDE | SB | GDESB02502 | mg/kg | Aluminum | 2890 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Aluminum | 2740 | = | Yes |
| GDE | SB | GDESB01802 | mg/kg | Aluminum | 2370 | = | Yes |
| GDE | SB | GDESB02002 | mg/kg | Aluminum | 2210 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Aluminum | 1220 | = | Yes |
| GDE | SB | GDESB02602 | mg/kg | Aluminum | 17300 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Aluminum | 6170 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Aluminum | 5440 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Aluminum | 1680 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Antimony | 1.6 | J | Yes |
| GDE | SB | GDESB01002 | mg/kg | Antimony | 1.3 | J | Yes |
| GDE | SB | GDESB00702 | mg/kg | Antimony | 0.83 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Antimony | 0.82 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB02502 | mg/kg | Antimony | 0.73 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Antimony | 0.72 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Antimony | 0.52 | J | Yes |
| GDE | SB | GDESB00802 | mg/kg | Antimony | 4.9 | UJ | No |
| GDE | SB | GDESB00102 | mg/kg | Antimony | 4.3 | UJ | No |
| GDE | SB | GDESB00302 | mg/kg | Antimony | 3.6 | UJ | No |
| GDE | SB | GDESB00202 | mg/kg | Antimony | 3.6 | UJ | No |
| GDE | SB | GDESB00502 | mg/kg | Antimony | 3.3 | UJ | No |
| GDE | SB | GDESB02102 | mg/kg | Antimony | 0.58 | U | No |
| GDE | SB | GDESB00902b | mg/kg | Antimony | 0.54 | U | No |
| GDE | SB | GDESB00902a | mg/kg | Antimony | 0.54 | U | No |
| GDE | SB | GDESB01802 | mg/kg | Antimony | 0.51 | U | No |
| GDE | SB | GDESB01102 | mg/kg | Antimony | 0.49 | UJ | No |
| GDE | SB | GDESB00402 | mg/kg | Antimony | 0.47 | U | No |
| GDE | SB | GDESB02402 | mg/kg | Antimony | 0.46 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Antimony | 0.46 | UJ | No |
| GDE | SB | GDESB01202 | mg/kg | Antimony | 0.45 | U | No |
| GDE | SB | GDESB01302 | mg/kg | Antimony | 0.44 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Antimony | 0.44 | UJ | No |
| GDE | SB | GDESB01902 | mg/kg | Antimony | 0.42 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Antimony | 0.38 | U | No |
| GDE | SB | GDESB02602 | mg/kg | Antimony | 0.36 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Antimony | 0.36 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Antimony | 0.32 | U | No |
| GDE | SB | GDESB01002 | mg/kg | Arsenic | 26.3 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Arsenic | 23.6 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Arsenic | 22.6 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Arsenic | 21.3 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Arsenic | 13.8 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Arsenic | 13.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB02102 | mg/kg | Arsenic | 12.6 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Arsenic | 10.5 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Arsenic | 8.6 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Arsenic | 7.7 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Arsenic | 6.6 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Arsenic | 6.6 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Arsenic | 6.3 | = | Yes |
| GDE | SB | GDESB02502 | mg/kg | Arsenic | 5.3 | = | Yes |
| GDE | SB | GDESB01202 | mg/kg | Arsenic | 4.6 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Arsenic | 4.5 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Arsenic | 4.1 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Arsenic | 3 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Arsenic | 2.9 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Arsenic | 2.5 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Arsenic | 2.3 | = | Yes |
| GDE | SB | GDESB01802 | mg/kg | Arsenic | 0.9 | J | Yes |
| GDE | SB | GDESB01702 | mg/kg | Arsenic | 0.83 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Arsenic | 8.1 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Arsenic | 1.7 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Arsenic | 1.1 | U | No |
| GDE | SB | GDESB01902 | mg/kg | Arsenic | 0.53 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Arsenic | 0.42 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Barium | 91 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Barium | 60.9 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Barium | 44.1 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Barium | 40.8 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Barium | 37.3 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Barium | 34.7 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Barium | 33.5 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Barium | 29 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00202 | mg/kg | Barium | 23.9 | J | Yes |
| GDE | SB | GDESB00102 | mg/kg | Barium | 22.8 | J | Yes |
| GDE | SB | GDESB01702 | mg/kg | Barium | 20.8 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Barium | 20.4 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Barium | 18.7 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Barium | 17.8 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Barium | 17.2 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Barium | 16.1 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Barium | 15.6 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Barium | 15.4 | J | Yes |
| GDE | SB | GDESB00902b | mg/kg | Barium | 15.3 | J | Yes |
| GDE | SB | GDESB00902a | mg/kg | Barium | 15.3 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Barium | 12.6 | J | Yes |
| GDE | SB | GDESB00702 | mg/kg | Barium | 11.5 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Barium | 8.9 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Barium | 6.1 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Barium | 37.3 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Barium | 12.5 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Barium | 6.1 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Barium | 4.8 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Beryllium | 1.6 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Beryllium | 1.2 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Beryllium | 1.2 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Beryllium | 1.1 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Beryllium | 0.88 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Beryllium | 0.75 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Beryllium | 0.66 | J | Yes |
| GDE | SB | GDESB00902a | mg/kg | Beryllium | 0.66 | J | Yes |
| GDE | SB | GDESB00102 | mg/kg | Beryllium | 0.66 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Beryllium | 0.65 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00702 | mg/kg | Beryllium | 0.6 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Beryllium | 0.47 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Beryllium | 0.35 | J | Yes |
| GDE | SB | GDESB01102 | mg/kg | Beryllium | 0.33 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Beryllium | 0.32 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Beryllium | 0.32 | J | Yes |
| GDE | SB | GDESB01702 | mg/kg | Beryllium | 0.31 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Beryllium | 0.28 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Beryllium | 0.21 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Beryllium | 0.18 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Beryllium | 0.18 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Beryllium | 0.17 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Beryllium | 0.15 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Beryllium | 0.46 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Beryllium | 0.14 | U | No |
| GDE | SB | GDESB01902 | mg/kg | Beryllium | 0.11 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Beryllium | 0.1 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Beryllium | 0.07 | U | No |
| GDE | SB | GDESB01102 | mg/kg | Cadmium | 0.96 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Cadmium | 0.92 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Cadmium | 0.77 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Cadmium | 0.66 | J | Yes |
| GDE | SB | GDESB00702 | mg/kg | Cadmium | 0.49 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Cadmium | 0.49 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Cadmium | 0.4 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Cadmium | 0.3 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Cadmium | 0.16 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Cadmium | 0.13 | J | Yes |
| GDE | SB | GDESB00802 | mg/kg | Cadmium | 0.66 | U | No |
| GDE | SB | GDESB00102 | mg/kg | Cadmium | 0.58 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00502 | mg/kg | Cadmium | 0.44 | U | No |
| GDE | SB | GDESB01002 | mg/kg | Cadmium | 0.19 | U | No |
| GDE | SB | GDESB02102 | mg/kg | Cadmium | 0.15 | U | No |
| GDE | SB | GDESB00902b | mg/kg | Cadmium | 0.14 | U | No |
| GDE | SB | GDESB00902a | mg/kg | Cadmium | 0.14 | U | No |
| GDE | SB | GDESB01802 | mg/kg | Cadmium | 0.13 | U | No |
| GDE | SB | GDESB00402 | mg/kg | Cadmium | 0.12 | U | No |
| GDE | SB | GDESB02602 | mg/kg | Cadmium | 0.12 | U | No |
| GDE | SB | GDESB01902 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SB | GDESB01202 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SB | GDESB02402 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SB | GDESB01302 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Cadmium | 0.11 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Cadmium | 0.06 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Cadmium | 0.05 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Cadmium | 0.04 | U | No |
| GDE | SB | GDESB00702 | mg/kg | Calcium | 229000 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Calcium | 87900 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Calcium | 39700 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Calcium | 34600 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Calcium | 31800 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Calcium | 24400 | J | Yes |
| GDE | SB | GDESB01002 | mg/kg | Calcium | 23000 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Calcium | 12400 | = | Yes |
| GDE | SB | GDESB02502 | mg/kg | Calcium | 11000 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Calcium | 10700 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Calcium | 10700 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Calcium | 10300 | J | Yes |
| GDE | SB | GDESB00802 | mg/kg | Calcium | 9710 | J | Yes |
| GDE | SB | GDESB00102 | mg/kg | Calcium | 8110 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00502 | mg/kg | Calcium | 6180 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Calcium | 4800 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Calcium | 3520 | = | Yes |
| GDE | SB | GDESB02002 | mg/kg | Calcium | 3120 | = | Yes |
| GDE | SB | GDESB01302 | mg/kg | Calcium | 1440 | = | Yes |
| GDE | SB | GDESB01902 | mg/kg | Calcium | 1100 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Calcium | 658 | = | Yes |
| GDE | SB | GDESB01202 | mg/kg | Calcium | 451 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Calcium | 390 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Calcium | 323 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Calcium | 1430 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Calcium | 522 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Calcium | 272 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Calcium | 220 | U | No |
| GDE | SB | GDESB00602 | mg/kg | Chromium, Total | 75.2 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Chromium, Total | 59.9 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Chromium, Total | 46.7 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Chromium, Total | 43.1 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Chromium, Total | 36.2 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Chromium, Total | 34.5 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Chromium, Total | 27.4 | = | Yes |
| GDE | SB | GDESB02602 | mg/kg | Chromium, Total | 23.8 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Chromium, Total | 22.3 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Chromium, Total | 19.5 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Chromium, Total | 15 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Chromium, Total | 12.1 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Chromium, Total | 12.1 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Chromium, Total | 10.9 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Chromium, Total | 9.5 | = | Yes |
| GDE | SB | GDESB01302 | mg/kg | Chromium, Total | 9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB02502 | mg/kg | Chromium, Total | 8.9 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Chromium, Total | 7.9 | = | Yes |
| GDE | SB | GDESB03002 | mg/kg | Chromium, Total | 6.8 | = | Yes |
| GDE | SB | GDESB01202 | mg/kg | Chromium, Total | 6.8 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Chromium, Total | 6.2 | J | Yes |
| GDE | SB | GDESB02902 | mg/kg | Chromium, Total | 5.4 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Chromium, Total | 5.2 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Chromium, Total | 3.9 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Chromium, Total | 3 | = | Yes |
| GDE | SB | GDESB01802 | mg/kg | Chromium, Total | 1.9 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Chromium, Total | 1.6 | J | Yes |
| GDE | SB | GDESB02802 | mg/kg | Chromium, Total | 2.3 | U | No |
| GDE | SB | GDESB02102 | mg/kg | Cobalt | 14.9 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Cobalt | 12.7 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Cobalt | 9.4 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Cobalt | 8.7 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Cobalt | 7.8 | J | Yes |
| GDE | SB | GDESB00802 | mg/kg | Cobalt | 7.5 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Cobalt | 5.8 | J | Yes |
| GDE | SB | GDESB00902b | mg/kg | Cobalt | 3.5 | J | Yes |
| GDE | SB | GDESB00902a | mg/kg | Cobalt | 3.5 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Cobalt | 2.8 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Cobalt | 2.4 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Cobalt | 2.1 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Cobalt | 1.8 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Cobalt | 1.6 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Cobalt | 1.5 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Cobalt | 1.4 | J | Yes |
| GDE | SB | GDESB01102 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDE | SB | GDESB00702 | mg/kg | Cobalt | 0.94 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB01302 | mg/kg | Cobalt | 0.86 | J | Yes |
| GDE | SB | GDESB01702 | mg/kg | Cobalt | 0.8 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Cobalt | 0.65 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Cobalt | 0.62 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Cobalt | 0.46 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Cobalt | 0.41 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Cobalt | 2.6 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Cobalt | 0.95 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Cobalt | 0.48 | UJ | No |
| GDE | SB | GDESB02802 | mg/kg | Cobalt | 0.31 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Copper | 192 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Copper | 121 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Copper | 42.8 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Copper | 42.4 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Copper | 38.7 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Copper | 28.3 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Copper | 26.5 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Copper | 26 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Copper | 22 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Copper | 18.7 | = | Yes |
| GDE | SB | GDESB02502 | mg/kg | Copper | 13.4 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Copper | 13.2 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Copper | 12.8 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Copper | 10.4 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Copper | 9.3 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Copper | 8.7 | = | Yes |
| GDE | SB | GDESB01302 | mg/kg | Copper | 4.5 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Copper | 3.1 | = | Yes |
| GDE | SB | GDESB01802 | mg/kg | Copper | 2.5 | J | Yes |
| GDE | SB | GDESB00902b | mg/kg | Copper | 2.5 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00902a | mg/kg | Copper | 2.5 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Copper | 1.6 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Copper | 1.4 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Copper | 1.3 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Copper | 2.1 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Copper | 1.9 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Copper | 1.2 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Copper | 0.97 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Iron | 35800 | J | Yes |
| GDE | SB | GDESB01502 | mg/kg | Iron | 30400 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Iron | 24200 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Iron | 18800 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Iron | 16600 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Iron | 15000 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Iron | 14400 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Iron | 13500 | = | Yes |
| GDE | SB | GDESB01202 | mg/kg | Iron | 10600 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Iron | 9280 | J | Yes |
| GDE | SB | GDESB00902a | mg/kg | Iron | 8110 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Iron | 8110 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Iron | 6470 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Iron | 5570 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Iron | 5370 | = | Yes |
| GDE | SB | GDESB01302 | mg/kg | Iron | 5040 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Iron | 4590 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Iron | 4560 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Iron | 3790 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Iron | 3580 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Iron | 2750 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Iron | 1700 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB01902 | mg/kg | Iron | 1330 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Iron | 924 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Iron | 19000 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Iron | 2010 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Iron | 1810 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Iron | 1350 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Lead | 322 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Lead | 173 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Lead | 121 | = | Yes |
| GDE | SB | GDESB02002 | mg/kg | Lead | 82.4 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Lead | 80.6 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Lead | 70 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Lead | 61.2 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Lead | 54 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Lead | 47.3 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Lead | 40.3 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Lead | 35 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Lead | 29.2 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Lead | 26.8 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Lead | 25.8 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Lead | 23.4 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Lead | 12 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Lead | 9.2 | = | Yes |
| GDE | SB | GDESB01802 | mg/kg | Lead | 4.9 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Lead | 4.3 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Lead | 4.3 | = | Yes |
| GDE | SB | GDESB01202 | mg/kg | Lead | 2.9 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Lead | 2.4 | = | Yes |
| GDE | SB | GDESB01902 | mg/kg | Lead | 2.1 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Lead | 1.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB02602 | mg/kg | Lead | 13.2 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Lead | 4.3 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Lead | 3.9 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Lead | 1.4 | U | No |
| GDE | SB | GDESB00702 | mg/kg | Magnesium | 9140 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Magnesium | 4830 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Magnesium | 4100 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Magnesium | 3750 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Magnesium | 3580 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Magnesium | 2960 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Magnesium | 2110 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Magnesium | 1860 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Magnesium | 1430 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Magnesium | 1380 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Magnesium | 1170 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Magnesium | 1160 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Magnesium | 1160 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Magnesium | 1120 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Magnesium | 705 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Magnesium | 400 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Magnesium | 395 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Magnesium | 392 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Magnesium | 345 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Magnesium | 298 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Magnesium | 254 | J | Yes |
| GDE | SB | GDESB01702 | mg/kg | Magnesium | 158 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Magnesium | 85.7 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Magnesium | 76.5 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Magnesium | 916 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Magnesium | 280 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB02902 | mg/kg | Magnesium | 156 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Magnesium | 73.5 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Manganese | 625 | J | Yes |
| GDE | SB | GDESB00802 | mg/kg | Manganese | 478 | J | Yes |
| GDE | SB | GDESB00102 | mg/kg | Manganese | 288 | J | Yes |
| GDE | SB | GDESB01002 | mg/kg | Manganese | 207 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Manganese | 160 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Manganese | 139 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Manganese | 89.7 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Manganese | 89.7 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Manganese | 88.6 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Manganese | 87.5 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Manganese | 74.1 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Manganese | 65.9 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Manganese | 65.7 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Manganese | 65.5 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Manganese | 64.3 | J | Yes |
| GDE | SB | GDESB01102 | mg/kg | Manganese | 61.8 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Manganese | 38.9 | = | Yes |
| GDE | SB | GDESB02002 | mg/kg | Manganese | 28.4 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Manganese | 27.8 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Manganese | 24.8 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Manganese | 23.2 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Manganese | 22.5 | J | Yes |
| GDE | SB | GDESB01702 | mg/kg | Manganese | 7.8 | = | Yes |
| GDE | SB | GDESB01802 | mg/kg | Manganese | 4.9 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Manganese | 77.9 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Manganese | 14.8 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Manganese | 5.8 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Manganese | 4.9 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00302 | mg/kg | Mercury | 0.9 | J | Yes |
| GDE | SB | GDESB01502 | mg/kg | Mercury | 0.5 | J | Yes |
| GDE | SB | GDESB00802 | mg/kg | Mercury | 0.41 | J | Yes |
| GDE | SB | GDESB01002 | mg/kg | Mercury | 0.34 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Mercury | 0.29 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Mercury | 0.21 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Mercury | 0.21 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Mercury | 0.16 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Mercury | 0.15 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Mercury | 0.14 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Mercury | 0.14 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Mercury | 0.11 | J | Yes |
| GDE | SB | GDESB03002 | mg/kg | Mercury | 0.07 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Mercury | 0.07 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Mercury | 0.06 | = | Yes |
| GDE | SB | GDESB02902 | mg/kg | Mercury | 0.06 | = | Yes |
| GDE | SB | GDESB02002 | mg/kg | Mercury | 0.06 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Mercury | 0.05 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Mercury | 0.04 | = | Yes |
| GDE | SB | GDESB02802 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Mercury | 0.04 | U | No |
| GDE | SB | GDESB01802 | mg/kg | Mercury | 0.03 | U | No |
| GDE | SB | GDESB00902b | mg/kg | Mercury | 0.03 | U | No |
| GDE | SB | GDESB00902a | mg/kg | Mercury | 0.03 | U | No |
| GDE | SB | GDESB00702 | mg/kg | Mercury | 0.03 | U | No |
| GDE | SB | GDESB01902 | mg/kg | Mercury | 0.02 | U | No |
| GDE | SB | GDESB02402 | mg/kg | Mercury | 0.02 | U | No |
| GDE | SB | GDESB01202 | mg/kg | Mercury | 0.02 | U | No |
| GDE | SB | GDESB01002 | mg/kg | Nickel | 19.7 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Nickel | 19.4 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00602 | mg/kg | Nickel | 15.4 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Nickel | 14.8 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Nickel | 14.6 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Nickel | 12.8 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Nickel | 9.6 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Nickel | 9.1 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Nickel | 8.6 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Nickel | 7.9 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Nickel | 7.8 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Nickel | 5.2 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Nickel | 3.7 | J | Yes |
| GDE | SB | GDESB00902b | mg/kg | Nickel | 3.7 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Nickel | 3.5 | J | Yes |
| GDE | SB | GDESB01102 | mg/kg | Nickel | 3.4 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Nickel | 2.9 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Nickel | 2.7 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Nickel | 2 | J | Yes |
| GDE | SB | GDESB01702 | mg/kg | Nickel | 1.8 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Nickel | 1.3 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Nickel | 0.93 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Nickel | 0.85 | J | Yes |
| GDE | SB | GDESB02602 | mg/kg | Nickel | 5.5 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Nickel | 2 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Nickel | 2 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Nickel | 2 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Nickel | 0.57 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Potassium | 3440 | J | Yes |
| GDE | SB | GDESB01502 | mg/kg | Potassium | 2370 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Potassium | 2060 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Potassium | 1770 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
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| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00102 | mg/kg | Potassium | 1680 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Potassium | 1510 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Potassium | 1280 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Potassium | 1220 | J | Yes |
| GDE | SB | GDESB00902b | mg/kg | Potassium | 1160 | J | Yes |
| GDE | SB | GDESB00902a | mg/kg | Potassium | 1160 | J | Yes |
| GDE | SB | GDESB00702 | mg/kg | Potassium | 1150 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Potassium | 887 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Potassium | 827 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Potassium | 807 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Potassium | 635 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Potassium | 438 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Potassium | 248 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Potassium | 106 | J | Yes |
| GDE | SB | GDESB01002 | mg/kg | Potassium | 2460 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Potassium | 835 | U | No |
| GDE | SB | GDESB01202 | mg/kg | Potassium | 730 | U | No |
| GDE | SB | GDESB02502 | mg/kg | Potassium | 663 | U | No |
| GDE | SB | GDESB01302 | mg/kg | Potassium | 512 | U | No |
| GDE | SB | GDESB02602 | mg/kg | Potassium | 492 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Potassium | 270 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Potassium | 255 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Potassium | 243 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Potassium | 214 | U | No |
| GDE | SB | GDESB00702 | mg/kg | Selenium | 2.4 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Selenium | 1.7 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Selenium | 1.1 | = | Yes |
| GDE | SB | GDESB02602 | mg/kg | Selenium | 1.1 | J | Yes |
| GDE | SB | GDESB01102 | mg/kg | Selenium | 0.62 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Selenium | 0.59 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB01002 | mg/kg | Selenium | 0.93 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Selenium | 0.82 | U | No |
| GDE | SB | GDESB02102 | mg/kg | Selenium | 0.73 | U | No |
| GDE | SB | GDESB00102 | mg/kg | Selenium | 0.72 | U | No |
| GDE | SB | GDESB00902b | mg/kg | Selenium | 0.68 | U | No |
| GDE | SB | GDESB00902a | mg/kg | Selenium | 0.68 | U | No |
| GDE | SB | GDESB01602 | mg/kg | Selenium | 0.66 | U | No |
| GDE | SB | GDESB01802 | mg/kg | Selenium | 0.64 | U | No |
| GDE | SB | GDESB02502 | mg/kg | Selenium | 0.64 | U | No |
| GDE | SB | GDESB00302 | mg/kg | Selenium | 0.6 | U | No |
| GDE | SB | GDESB00202 | mg/kg | Selenium | 0.6 | U | No |
| GDE | SB | GDESB00402 | mg/kg | Selenium | 0.58 | U | No |
| GDE | SB | GDESB01202 | mg/kg | Selenium | 0.57 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Selenium | 0.57 | U | No |
| GDE | SB | GDESB02402 | mg/kg | Selenium | 0.57 | U | No |
| GDE | SB | GDESB01302 | mg/kg | Selenium | 0.56 | U | No |
| GDE | SB | GDESB02302 | mg/kg | Selenium | 0.56 | U | No |
| GDE | SB | GDESB00502 | mg/kg | Selenium | 0.55 | U | No |
| GDE | SB | GDESB01902 | mg/kg | Selenium | 0.53 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Selenium | 0.38 | UJ | No |
| GDE | SB | GDESB03002 | mg/kg | Selenium | 0.36 | UJ | No |
| GDE | SB | GDESB02802 | mg/kg | Selenium | 0.32 | UJ | No |
| GDE | SB | GDESB01002 | mg/kg | Silver | 0.37 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Silver | 0.33 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Silver | 0.33 | U | No |
| GDE | SB | GDESB00602 | mg/kg | Silver | 0.32 | U | No |
| GDE | SB | GDESB02102 | mg/kg | Silver | 0.29 | U | No |
| GDE | SB | GDESB00102 | mg/kg | Silver | 0.29 | U | No |
| GDE | SB | GDESB00902b | mg/kg | Silver | 0.27 | U | No |
| GDE | SB | GDESB00702 | mg/kg | Silver | 0.27 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00902a | mg/kg | Silver | 0.27 | U | No |
| GDE | SB | GDESB01802 | mg/kg | Silver | 0.26 | U | No |
| GDE | SB | GDESB02502 | mg/kg | Silver | 0.26 | U | No |
| GDE | SB | GDESB01602 | mg/kg | Silver | 0.26 | U | No |
| GDE | SB | GDESB01102 | mg/kg | Silver | 0.25 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Silver | 0.24 | U | No |
| GDE | SB | GDESB00302 | mg/kg | Silver | 0.24 | U | No |
| GDE | SB | GDESB00202 | mg/kg | Silver | 0.24 | U | No |
| GDE | SB | GDESB00402 | mg/kg | Silver | 0.23 | U | No |
| GDE | SB | GDESB02402 | mg/kg | Silver | 0.23 | U | No |
| GDE | SB | GDESB02302 | mg/kg | Silver | 0.23 | U | No |
| GDE | SB | GDESB01202 | mg/kg | Silver | 0.23 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Silver | 0.23 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Silver | 0.23 | U | No |
| GDE | SB | GDESB02602 | mg/kg | Silver | 0.23 | U | No |
| GDE | SB | GDESB00502 | mg/kg | Silver | 0.22 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Silver | 0.22 | U | No |
| GDE | SB | GDESB01302 | mg/kg | Silver | 0.22 | U | No |
| GDE | SB | GDESB01902 | mg/kg | Silver | 0.21 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Silver | 0.2 | U | No |
| GDE | SB | GDESB00702 | mg/kg | Sodium | 1430 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Sodium | 1340 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Sodium | 1180 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Sodium | 1040 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Sodium | 624 | J | Yes |
| GDE | SB | GDESB00902b | mg/kg | Sodium | 624 | J | Yes |
| GDE | SB | GDESB01102 | mg/kg | Sodium | 535 | J | Yes |
| GDE | SB | GDESB01602 | mg/kg | Sodium | 426 | J | Yes |
| GDE | SB | GDESB01502 | mg/kg | Sodium | 404 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Sodium | 375 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00302 | mg/kg | Sodium | 359 | J | Yes |
| GDE | SB | GDESB00102 | mg/kg | Sodium | 254 | J | Yes |
| GDE | SB | GDESB01202 | mg/kg | Sodium | 209 | J | Yes |
| GDE | SB | GDESB01302 | mg/kg | Sodium | 200 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Sodium | 180 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Sodium | 161 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Sodium | 139 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Sodium | 117 | J | Yes |
| GDE | SB | GDESB02102 | mg/kg | Sodium | 109 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Sodium | 91.2 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Sodium | 20.8 | J | Yes |
| GDE | SB | GDESB02902 | mg/kg | Sodium | 191 | U | No |
| GDE | SB | GDESB02602 | mg/kg | Sodium | 189 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Sodium | 175 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Sodium | 121 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Sodium | 83.3 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Sodium | 50.6 | U | No |
| GDE | SB | GDESB01802 | mg/kg | Sodium | 12.8 | U | No |
| GDE | SB | GDESB01002 | mg/kg | Thallium | 0.93 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Thallium | 0.83 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Thallium | 0.82 | U | No |
| GDE | SB | GDESB00602 | mg/kg | Thallium | 0.8 | U | No |
| GDE | SB | GDESB02102 | mg/kg | Thallium | 0.73 | U | No |
| GDE | SB | GDESB00102 | mg/kg | Thallium | 0.72 | U | No |
| GDE | SB | GDESB00902b | mg/kg | Thallium | 0.68 | U | No |
| GDE | SB | GDESB00902a | mg/kg | Thallium | 0.68 | U | No |
| GDE | SB | GDESB00702 | mg/kg | Thallium | 0.67 | U | No |
| GDE | SB | GDESB01602 | mg/kg | Thallium | 0.66 | U | No |
| GDE | SB | GDESB02502 | mg/kg | Thallium | 0.64 | U | No |
| GDE | SB | GDESB01802 | mg/kg | Thallium | 0.64 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB01102 | mg/kg | Thallium | 0.62 | UJ | No |
| GDE | SB | GDESB00302 | mg/kg | Thallium | 0.6 | U | No |
| GDE | SB | GDESB00202 | mg/kg | Thallium | 0.6 | U | No |
| GDE | SB | GDESB00402 | mg/kg | Thallium | 0.58 | U | No |
| GDE | SB | GDESB01202 | mg/kg | Thallium | 0.57 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Thallium | 0.57 | U | No |
| GDE | SB | GDESB02402 | mg/kg | Thallium | 0.57 | U | No |
| GDE | SB | GDESB01302 | mg/kg | Thallium | 0.56 | U | No |
| GDE | SB | GDESB02302 | mg/kg | Thallium | 0.56 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Thallium | 0.55 | U | No |
| GDE | SB | GDESB00502 | mg/kg | Thallium | 0.55 | U | No |
| GDE | SB | GDESB01902 | mg/kg | Thallium | 0.53 | U | No |
| GDE | SB | GDESB02602 | mg/kg | Thallium | 0.52 | UJ | No |
| GDE | SB | GDESB02902 | mg/kg | Thallium | 0.43 | UJ | No |
| GDE | SB | GDESB03002 | mg/kg | Thallium | 0.41 | UJ | No |
| GDE | SB | GDESB02802 | mg/kg | Thallium | 0.36 | UJ | No |
| GDE | SB | GDESB01502 | mg/kg | Tin | 23.9 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Tin | 7.3 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Tin | 7.1 | J | Yes |
| GDE | SB | GDESB00502 | mg/kg | Tin | 5.5 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Tin | 5 | J | Yes |
| GDE | SB | GDESB00102 | mg/kg | Tin | 4.2 | J | Yes |
| GDE | SB | GDESB02402 | mg/kg | Tin | 4.1 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Tin | 3.9 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Tin | 3.4 | J | Yes |
| GDE | SB | GDESB00402 | mg/kg | Tin | 3.1 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Tin | 2.8 | J | Yes |
| GDE | SB | GDESB00702 | mg/kg | Tin | 33.6 | U | No |
| GDE | SB | GDESB00602 | mg/kg | Tin | 5.2 | U | No |
| GDE | SB | GDESB01602 | mg/kg | Tin | 5.1 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB02302 | mg/kg | Tin | 4.5 | U | No |
| GDE | SB | GDESB01002 | mg/kg | Tin | 4.2 | U | No |
| GDE | SB | GDESB02002 | mg/kg | Tin | 3.9 | U | No |
| GDE | SB | GDESB01102 | mg/kg | Tin | 3.7 | U | No |
| GDE | SB | GDESB00902a | mg/kg | Tin | 3.1 | U | No |
| GDE | SB | GDESB00902b | mg/kg | Tin | 3.1 | U | No |
| GDE | SB | GDESB00202 | mg/kg | Tin | 2.8 | U | No |
| GDE | SB | GDESB01302 | mg/kg | Tin | 2.3 | U | No |
| GDE | SB | GDESB01202 | mg/kg | Tin | 2.2 | U | No |
| GDE | SB | GDESB01702 | mg/kg | Tin | 2.2 | U | No |
| GDE | SB | GDESB02602 | mg/kg | Tin | 1.9 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Tin | 1.6 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Tin | 1.3 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Tin | 1.1 | U | No |
| GDE | SB | GDESB00802 | mg/kg | Vanadium | 71.4 | = | Yes |
| GDE | SB | GDESB01502 | mg/kg | Vanadium | 60.2 | = | Yes |
| GDE | SB | GDESB01002 | mg/kg | Vanadium | 53.7 | = | Yes |
| GDE | SB | GDESB00602 | mg/kg | Vanadium | 48.3 | = | Yes |
| GDE | SB | GDESB02602 | mg/kg | Vanadium | 36.8 | = | Yes |
| GDE | SB | GDESB00702 | mg/kg | Vanadium | 35.9 | = | Yes |
| GDE | SB | GDESB00102 | mg/kg | Vanadium | 34.1 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Vanadium | 28 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Vanadium | 26.9 | = | Yes |
| GDE | SB | GDESB00302 | mg/kg | Vanadium | 19.1 | = | Yes |
| GDE | SB | GDESB00202 | mg/kg | Vanadium | 17.1 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Vanadium | 12.4 | = | Yes |
| GDE | SB | GDESB00902a | mg/kg | Vanadium | 11.9 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Vanadium | 11.9 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Vanadium | 10.9 | = | Yes |
| GDE | SB | GDESB01302 | mg/kg | Vanadium | 10.9 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB01202 | mg/kg | Vanadium | 9.6 | = | Yes |
| GDE | SB | GDESB02502 | mg/kg | Vanadium | 9.6 | = | Yes |
| GDE | SB | GDESB02302 | mg/kg | Vanadium | 8.7 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Vanadium | 8.1 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Vanadium | 6.9 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Vanadium | 3.5 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Vanadium | 3.5 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Vanadium | 2.3 | J | Yes |
| GDE | SB | GDESB01902 | mg/kg | Vanadium | 1.6 | J | Yes |
| GDE | SB | GDESB02902 | mg/kg | Vanadium | 7 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Vanadium | 4.4 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Vanadium | 2.9 | U | No |
| GDE | SB | GDESB01502 | mg/kg | Zinc | 438 | J | Yes |
| GDE | SB | GDESB00302 | mg/kg | Zinc | 302 | J | Yes |
| GDE | SB | GDESB02002 | mg/kg | Zinc | 223 | J | Yes |
| GDE | SB | GDESB01002 | mg/kg | Zinc | 154 | = | Yes |
| GDE | SB | GDESB02102 | mg/kg | Zinc | 141 | = | Yes |
| GDE | SB | GDESB01602 | mg/kg | Zinc | 133 | = | Yes |
| GDE | SB | GDESB00802 | mg/kg | Zinc | 128 | J | Yes |
| GDE | SB | GDESB00602 | mg/kg | Zinc | 101 | J | Yes |
| GDE | SB | GDESB02302 | mg/kg | Zinc | 86.4 | = | Yes |
| GDE | SB | GDESB00502 | mg/kg | Zinc | 85 | J | Yes |
| GDE | SB | GDESB00102 | mg/kg | Zinc | 82.9 | J | Yes |
| GDE | SB | GDESB02502 | mg/kg | Zinc | 62.2 | J | Yes |
| GDE | SB | GDESB00202 | mg/kg | Zinc | 57 | J | Yes |
| GDE | SB | GDESB00702 | mg/kg | Zinc | 43.7 | = | Yes |
| GDE | SB | GDESB02402 | mg/kg | Zinc | 38.8 | = | Yes |
| GDE | SB | GDESB01102 | mg/kg | Zinc | 37.4 | J | Yes |
| GDE | SB | GDESB01802 | mg/kg | Zinc | 21.3 | = | Yes |
| GDE | SB | GDESB01302 | mg/kg | Zinc | 14.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDE | SB | GDESB00902a | mg/kg | Zinc | 14 | = | Yes |
| GDE | SB | GDESB00902b | mg/kg | Zinc | 14 | = | Yes |
| GDE | SB | GDESB01702 | mg/kg | Zinc | 13.1 | = | Yes |
| GDE | SB | GDESB01202 | mg/kg | Zinc | 7.6 | = | Yes |
| GDE | SB | GDESB00402 | mg/kg | Zinc | 6.5 | = | Yes |
| GDE | SB | GDESB01902 | mg/kg | Zinc | 5.8 | = | Yes |
| GDE | SB | GDESB02602 | mg/kg | Zinc | 21.1 | U | No |
| GDE | SB | GDESB03002 | mg/kg | Zinc | 5.1 | U | No |
| GDE | SB | GDESB02902 | mg/kg | Zinc | 3 | U | No |
| GDE | SB | GDESB02802 | mg/kg | Zinc | 2.3 | U | No |
| GDF | SB | GDFSB00502 | mg/kg | Aluminum | 23500 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Aluminum | 7760 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Aluminum | 6360 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Aluminum | 5850 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Aluminum | 3300 | = | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Antimony | 0.49 | UJ | No |
| GDF | SB | GDFSB00402 | mg/kg | Antimony | 0.38 | UJ | No |
| GDF | SB | GDFSB00102 | mg/kg | Antimony | 0.38 | U | No |
| GDF | SB | GDFSB00302 | mg/kg | Antimony | 0.36 | UJ | No |
| GDF | SB | GDFSB00202 | mg/kg | Antimony | 0.35 | UJ | No |
| GDF | SB | GDFSB00502 | mg/kg | Arsenic | 30.4 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Arsenic | 5 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Arsenic | 4.7 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Arsenic | 4.7 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Arsenic | 3.3 | = | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Barium | 47.2 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Barium | 41.6 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Barium | 18.6 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Barium | 18.5 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Barium | 14.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SB | GDFSB00502 | mg/kg | Beryllium | 1.4 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Beryllium | 0.58 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Beryllium | 0.56 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Beryllium | 0.22 | J | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Beryllium | 0.34 | U | No |
| GDF | SB | GDFSB00102 | mg/kg | Cadmium | 0.08 | J | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Cadmium | 0.06 | U | No |
| GDF | SB | GDFSB00402 | mg/kg | Cadmium | 0.05 | U | No |
| GDF | SB | GDFSB00302 | mg/kg | Cadmium | 0.05 | U | No |
| GDF | SB | GDFSB00202 | mg/kg | Cadmium | 0.05 | U | No |
| GDF | SB | GDFSB00402 | mg/kg | Calcium | 11700 | = | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Calcium | 5910 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Calcium | 2630 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Calcium | 1300 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Calcium | 1040 | = | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Chromium, Total | 40 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Chromium, Total | 14.4 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Chromium, Total | 11.5 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Chromium, Total | 10 | J | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Chromium, Total | 8.7 | J | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Cobalt | 9 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Cobalt | 3 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Cobalt | 2.6 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Cobalt | 1.5 | J | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Cobalt | 0.94 | J | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Copper | 55.1 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Copper | 2.9 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Copper | 0.47 | UJ | No |
| GDF | SB | GDFSB00502 | mg/kg | Iron | 34800 | J | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Iron | 10300 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SB | GDFSB00102 | mg/kg | Iron | 8540 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Iron | 8390 | J | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Iron | 7850 | J | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Lead | 123 | J | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Lead | 9.5 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Lead | 7 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Lead | 6.4 | J | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Lead | 4.8 | = | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Magnesium | 4240 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Magnesium | 1090 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Magnesium | 648 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Magnesium | 583 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Magnesium | 399 | = | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Manganese | 1120 | J | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Manganese | 80.1 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Manganese | 68 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Manganese | 26.2 | J | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Manganese | 21.7 | J | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Mercury | 0.57 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Mercury | 0.04 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Mercury | 0.04 | U | No |
| GDF | SB | GDFSB00402 | mg/kg | Mercury | 0.04 | U | No |
| GDF | SB | GDFSB00302 | mg/kg | Mercury | 0.04 | UJ | No |
| GDF | SB | GDFSB00502 | mg/kg | Nickel | 13.2 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Nickel | 4 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Nickel | 3.3 | J | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Nickel | 2.8 | U | No |
| GDF | SB | GDFSB00202 | mg/kg | Nickel | 1.9 | U | No |
| GDF | SB | GDFSB00502 | mg/kg | Potassium | 1800 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Potassium | 818 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SB | GDFSB00302 | mg/kg | Potassium | 350 | J | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Potassium | 324 | J | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Potassium | 195 | J | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Selenium | 1.7 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Selenium | 0.92 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Selenium | 0.4 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Selenium | 0.38 | U | No |
| GDF | SB | GDFSB00302 | mg/kg | Selenium | 0.36 | U | No |
| GDF | SB | GDFSB00502 | mg/kg | Silver | 0.31 | U | No |
| GDF | SB | GDFSB00102 | mg/kg | Silver | 0.24 | U | No |
| GDF | SB | GDFSB00402 | mg/kg | Silver | 0.24 | U | No |
| GDF | SB | GDFSB00302 | mg/kg | Silver | 0.23 | UJ | No |
| GDF | SB | GDFSB00202 | mg/kg | Silver | 0.22 | U | No |
| GDF | SB | GDFSB00502 | mg/kg | Sodium | 612 | = | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Sodium | 289 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Sodium | 286 | U | No |
| GDF | SB | GDFSB00302 | mg/kg | Sodium | 202 | U | No |
| GDF | SB | GDFSB00202 | mg/kg | Sodium | 161 | U | No |
| GDF | SB | GDFSB00502 | mg/kg | Thallium | 1.2 | J | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Thallium | 0.92 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Thallium | 0.66 | J | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Thallium | 0.4 | J | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Thallium | 0.41 | U | No |
| GDF | SB | GDFSB00502 | mg/kg | Tin | 4 | U | No |
| GDF | SB | GDFSB00102 | mg/kg | Tin | 1.5 | U | No |
| GDF | SB | GDFSB00302 | mg/kg | Tin | 1.4 | U | No |
| GDF | SB | GDFSB00402 | mg/kg | Tin | 1 | U | No |
| GDF | SB | GDFSB00202 | mg/kg | Tin | 0.84 | U | No |
| GDF | SB | GDFSB00502 | mg/kg | Vanadium | 71.9 | = | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Vanadium | 21.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDF | SB | GDFSB00102 | mg/kg | Vanadium | 16.6 | = | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Vanadium | 13.9 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Vanadium | 12 | = | Yes |
| GDF | SB | GDFSB00502 | mg/kg | Zinc | 195 | J | Yes |
| GDF | SB | GDFSB00102 | mg/kg | Zinc | 16.2 | = | Yes |
| GDF | SB | GDFSB00402 | mg/kg | Zinc | 13.9 | J | Yes |
| GDF | SB | GDFSB00302 | mg/kg | Zinc | 9.3 | J | Yes |
| GDF | SB | GDFSB00202 | mg/kg | Zinc | 8.5 | U | No |
| GDG | SB | GDGSB00202 | mg/kg | Aluminum | 36800 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Aluminum | 11800 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Aluminum | 8920 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Aluminum | 8860 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Aluminum | 8140 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Aluminum | 5330 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Aluminum | 2630 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Antimony | 0.58 | U | No |
| GDG | SB | GDGSB00902 | mg/kg | Antimony | 0.43 | U | No |
| GDG | SB | GDGSB00802 | mg/kg | Antimony | 0.41 | U | No |
| GDG | SB | GDGSB00702 | mg/kg | Antimony | 0.4 | U | No |
| GDG | SB | GDGSB00602 | mg/kg | Antimony | 0.39 | U | No |
| GDG | SB | GDGSB00502 | mg/kg | Antimony | 0.37 | U | No |
| GDG | SB | GDGSB00402 | mg/kg | Antimony | 0.37 | UJ | No |
| GDG | SB | GDGSB00202 | mg/kg | Arsenic | 35.8 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Arsenic | 19.5 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Arsenic | 12.2 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Arsenic | 7.5 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Arsenic | 7.1 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Arsenic | 6.7 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Arsenic | 1.4 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Barium | 62.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SB | GDGSB00702 | mg/kg | Barium | 52.6 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Barium | 34.3 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Barium | 28.6 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Barium | 23.6 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Barium | 16.3 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Barium | 7.7 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Beryllium | 2.4 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Beryllium | 0.81 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Beryllium | 0.7 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Beryllium | 0.61 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Beryllium | 0.6 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Beryllium | 0.45 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Beryllium | 0.29 | U | No |
| GDG | SB | GDGSB00502 | mg/kg | Cadmium | 0.52 | J | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Cadmium | 0.35 | J | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Cadmium | 0.26 | J | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Cadmium | 0.25 | J | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Cadmium | 0.18 | J | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Cadmium | 0.08 | J | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Cadmium | 0.05 | U | No |
| GDG | SB | GDGSB00502 | mg/kg | Calcium | 127000 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Calcium | 81900 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Calcium | 38300 | J | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Calcium | 18300 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Calcium | 11000 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Calcium | 6650 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Calcium | 6390 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Chromium, Total | 65.4 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Chromium, Total | 36.1 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Chromium, Total | 28.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SB | GDGSB00902 | mg/kg | Chromium, Total | 24.1 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Chromium, Total | 18 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Chromium, Total | 15.9 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Chromium, Total | 7.4 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Cobalt | 14.7 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Cobalt | 4.2 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Cobalt | 4 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Cobalt | 1.8 | J | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Cobalt | 1.7 | J | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Cobalt | 0.9 | J | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Copper | 46.2 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Copper | 24.4 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Copper | 16.8 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Copper | 9.7 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Copper | 4.5 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Copper | 23.9 | U | No |
| GDG | SB | GDGSB00402 | mg/kg | Copper | 1.1 | U | No |
| GDG | SB | GDGSB00202 | mg/kg | Iron | 58100 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Iron | 19600 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Iron | 14600 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Iron | 14200 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Iron | 9720 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Iron | 6060 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Iron | 3110 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Lead | 76.4 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Lead | 40.4 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Lead | 40 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Lead | 30 | J | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Lead | 24.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SB | GDGSB00702 | mg/kg | Lead | 18.3 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Lead | 2.4 | J | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Magnesium | 7040 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Magnesium | 3560 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Magnesium | 3210 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Magnesium | 3130 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Magnesium | 2440 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Magnesium | 1890 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Magnesium | 1040 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Manganese | 409 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Manganese | 233 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Manganese | 189 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Manganese | 62.5 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Manganese | 54.3 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Manganese | 52.3 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Manganese | 19.9 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Mercury | 0.37 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Mercury | 0.23 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Mercury | 0.2 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Mercury | 0.16 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Mercury | 0.06 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Mercury | 0.05 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Mercury | 0.04 | U | No |
| GDG | SB | GDGSB00202 | mg/kg | Nickel | 21.9 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Nickel | 12.3 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Nickel | 11 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Nickel | 8.6 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Nickel | 5.6 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Nickel | 2.8 | J | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Nickel | 1.9 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SB | GDGSB00202 | mg/kg | Potassium | 3790 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Potassium | 1820 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Potassium | 1410 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Potassium | 1380 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Potassium | 955 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Potassium | 670 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Potassium | 245 | U | No |
| GDG | SB | GDGSB00602 | mg/kg | Selenium | 1 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Selenium | 0.96 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Selenium | 0.69 | J | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Selenium | 0.59 | J | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Selenium | 0.54 | J | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Selenium | 0.89 | U | No |
| GDG | SB | GDGSB00702 | mg/kg | Selenium | 0.4 | U | No |
| GDG | SB | GDGSB00202 | mg/kg | Silver | 0.39 | U | No |
| GDG | SB | GDGSB00902 | mg/kg | Silver | 0.27 | U | No |
| GDG | SB | GDGSB00702 | mg/kg | Silver | 0.26 | U | No |
| GDG | SB | GDGSB00802 | mg/kg | Silver | 0.26 | U | No |
| GDG | SB | GDGSB00602 | mg/kg | Silver | 0.25 | U | No |
| GDG | SB | GDGSB00502 | mg/kg | Silver | 0.24 | U | No |
| GDG | SB | GDGSB00402 | mg/kg | Silver | 0.23 | U | No |
| GDG | SB | GDGSB00902 | mg/kg | Sodium | 3890 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Sodium | 3270 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Sodium | 1960 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Sodium | 1860 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Sodium | 1070 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Sodium | 833 | U | No |
| GDG | SB | GDGSB00402 | mg/kg | Sodium | 610 | U | No |
| GDG | SB | GDGSB00502 | mg/kg | Thallium | 1 | J | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Thallium | 1.3 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDG | SB | GDGSB00702 | mg/kg | Thallium | 1.1 | U | No |
| GDG | SB | GDGSB00802 | mg/kg | Thallium | 0.82 | U | No |
| GDG | SB | GDGSB00202 | mg/kg | Thallium | 0.58 | U | No |
| GDG | SB | GDGSB00602 | mg/kg | Thallium | 0.44 | U | No |
| GDG | SB | GDGSB00402 | mg/kg | Thallium | 0.42 | U | No |
| GDG | SB | GDGSB00902 | mg/kg | Tin | 2.9 | J | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Tin | 1.6 | J | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Tin | 1.1 | J | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Tin | 5 | U | No |
| GDG | SB | GDGSB00502 | mg/kg | Tin | 2.3 | U | No |
| GDG | SB | GDGSB00602 | mg/kg | Tin | 1.2 | U | No |
| GDG | SB | GDGSB00402 | mg/kg | Tin | 1 | U | No |
| GDG | SB | GDGSB00202 | mg/kg | Vanadium | 112 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Vanadium | 39 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Vanadium | 30.3 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Vanadium | 25.5 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Vanadium | 24.8 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Vanadium | 16.4 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Vanadium | 5.9 | = | Yes |
| GDG | SB | GDGSB00202 | mg/kg | Zinc | 198 | = | Yes |
| GDG | SB | GDGSB00902 | mg/kg | Zinc | 97.9 | = | Yes |
| GDG | SB | GDGSB00802 | mg/kg | Zinc | 72.6 | = | Yes |
| GDG | SB | GDGSB00502 | mg/kg | Zinc | 65.6 | = | Yes |
| GDG | SB | GDGSB00602 | mg/kg | Zinc | 49.8 | = | Yes |
| GDG | SB | GDGSB00702 | mg/kg | Zinc | 20.1 | = | Yes |
| GDG | SB | GDGSB00402 | mg/kg | Zinc | 9.7 | U | No |
| GDH | SB | GDHSB04302 | mg/kg | Aluminum | 45300 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Aluminum | 41400 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Aluminum | 34600 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Aluminum | 32600 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03402 | mg/kg | Aluminum | 31700 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Aluminum | 31100 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Aluminum | 27600 | J | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Aluminum | 21600 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Aluminum | 20700 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Aluminum | 19600 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Aluminum | 19100 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Aluminum | 18400 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Aluminum | 18400 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Aluminum | 15500 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Aluminum | 15500 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Aluminum | 15400 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Aluminum | 15300 | J | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Aluminum | 13900 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Aluminum | 13700 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Aluminum | 13500 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Aluminum | 13300 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Aluminum | 12100 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Aluminum | 11600 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Aluminum | 11000 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Aluminum | 10600 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Aluminum | 9140 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Aluminum | 8670 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Aluminum | 8660 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Aluminum | 7970 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Aluminum | 7900 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Aluminum | 7180 | J | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Aluminum | 7120 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Aluminum | 6850 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Aluminum | 6320 | = | Yes |

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Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
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| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB00702 | mg/kg | Aluminum | 6140 | J | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Aluminum | 5840 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Aluminum | 5770 | J | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Aluminum | 5760 | J | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Aluminum | 5480 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Aluminum | 5430 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Aluminum | 5420 | = | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Aluminum | 5010 | J | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Aluminum | 4810 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Aluminum | 4520 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Aluminum | 4400 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Aluminum | 4230 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Aluminum | 4030 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Aluminum | 4000 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Aluminum | 3750 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Aluminum | 3510 | J | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Aluminum | 3310 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Aluminum | 3050 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Aluminum | 2980 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Aluminum | 2930 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Aluminum | 2900 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Aluminum | 2770 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Aluminum | 925 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Aluminum | 798 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Antimony | 19.4 | J | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Antimony | 15.8 | J | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Antimony | 2 | J | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Antimony | 1.5 | J | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Antimony | 19.9 | UJ | No |
| GDH | SB | GDHSB00402 | mg/kg | Antimony | 18.3 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
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| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB00102 | mg/kg | Antimony | 15.4 | U | No |
| GDH | SB | GDHSB00302 | mg/kg | Antimony | 13.4 | U | No |
| GDH | SB | GDHSB00202 | mg/kg | Antimony | 12.2 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Antimony | 11.3 | U | No |
| GDH | SB | GDHSB08202 | mg/kg | Antimony | 11.3 | UJ | No |
| GDH | SB | GDHSB02702 | mg/kg | Antimony | 10.9 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Antimony | 9.4 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Antimony | 8.3 | U | No |
| GDH | SB | GDHSB07902 | mg/kg | Antimony | 7.9 | UJ | No |
| GDH | SB | GDHSB07802 | mg/kg | Antimony | 7.1 | UJ | No |
| GDH | SB | GDHSB03902 | mg/kg | Antimony | 2.6 | U | No |
| GDH | SB | GDHSB04002 | mg/kg | Antimony | 2.5 | U | No |
| GDH | SB | GDHSB04502 | mg/kg | Antimony | 2.3 | U | No |
| GDH | SB | GDHSB01502 | mg/kg | Antimony | 2.2 | U | No |
| GDH | SB | GDHSB08802 | mg/kg | Antimony | 2.2 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Antimony | 2.1 | U | No |
| GDH | SB | GDHSB08502 | mg/kg | Antimony | 2.1 | U | No |
| GDH | SB | GDHSB01702 | mg/kg | Antimony | 2 | U | No |
| GDH | SB | GDHSB03402 | mg/kg | Antimony | 2 | U | No |
| GDH | SB | GDHSB01002 | mg/kg | Antimony | 2 | U | No |
| GDH | SB | GDHSB04302 | mg/kg | Antimony | 2 | U | No |
| GDH | SB | GDHSB03302 | mg/kg | Antimony | 1.8 | U | No |
| GDH | SB | GDHSB04602 | mg/kg | Antimony | 1.8 | U | No |
| GDH | SB | GDHSB05102 | mg/kg | Antimony | 1.8 | U | No |
| GDH | SB | GDHSB03802 | mg/kg | Antimony | 1.7 | U | No |
| GDH | SB | GDHSB00802 | mg/kg | Antimony | 1.6 | U | No |
| GDH | SB | GDHSB08402 | mg/kg | Antimony | 1.6 | U | No |
| GDH | SB | GDHSB09202 | mg/kg | Antimony | 1.6 | UJ | No |
| GDH | SB | GDHSB01302 | mg/kg | Antimony | 1.6 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Antimony | 1.5 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03702 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SB | GDHSB01402 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SB | GDHSB04202 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SB | GDHSB05202 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Antimony | 1.5 | U | No |
| GDH | SB | GDHSB07202 | mg/kg | Antimony | 1.4 | U | No |
| GDH | SB | GDHSB01102 | mg/kg | Antimony | 1.3 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Antimony | 1.3 | UJ | No |
| GDH | SB | GDHSB07302 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SB | GDHSB01902 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SB | GDHSB03202 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SB | GDHSB06702 | mg/kg | Antimony | 1.2 | U | No |
| GDH | SB | GDHSB00602 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SB | GDHSB05802 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SB | GDHSB05402 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SB | GDHSB00902 | mg/kg | Antimony | 1.1 | U | No |
| GDH | SB | GDHSB06302 | mg/kg | Antimony | 1 | U | No |
| GDH | SB | GDHSB05602 | mg/kg | Antimony | 1 | U | No |
| GDH | SB | GDHSB06402 | mg/kg | Antimony | 1 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Antimony | 0.96 | U | No |
| GDH | SB | GDHSB01602 | mg/kg | Antimony | 0.96 | U | No |
| GDH | SB | GDHSB05302 | mg/kg | Antimony | 0.73 | U | No |
| GDH | SB | GDHSB04302 | mg/kg | Arsenic | 136 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Arsenic | 28.3 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Arsenic | 22.8 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Arsenic | 22.3 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Arsenic | 20.3 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Arsenic | 19.1 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Arsenic | 18.5 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Arsenic | 18.3 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB00802 | mg/kg | Arsenic | 16.6 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Arsenic | 14.3 | J | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Arsenic | 13.6 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Arsenic | 13.5 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Arsenic | 12.4 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Arsenic | 12.3 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Arsenic | 11 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Arsenic | 10.3 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Arsenic | 9.6 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Arsenic | 9.3 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Arsenic | 8.3 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Arsenic | 8.3 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Arsenic | 8.2 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Arsenic | 8.2 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Arsenic | 8.2 | J | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Arsenic | 8.1 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Arsenic | 8.1 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Arsenic | 8 | J | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Arsenic | 7.7 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Arsenic | 7.5 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Arsenic | 7.4 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Arsenic | 7.3 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Arsenic | 6.7 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Arsenic | 6.6 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Arsenic | 6.6 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Arsenic | 5.7 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Arsenic | 5.6 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Arsenic | 5.4 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Arsenic | 5.2 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Arsenic | 5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB04202 | mg/kg | Arsenic | 4.9 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Arsenic | 4.7 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Arsenic | 4.6 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Arsenic | 4.6 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Arsenic | 4.5 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Arsenic | 4 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Arsenic | 3.9 | J | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Arsenic | 3.7 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Arsenic | 2.8 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Arsenic | 2.4 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Arsenic | 1.6 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Arsenic | 1.4 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Arsenic | 1.4 | J | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Arsenic | 1.3 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Arsenic | 1.1 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Arsenic | 0.78 | J | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Arsenic | 7.5 | U | No |
| GDH | SB | GDHSB08502 | mg/kg | Arsenic | 6.4 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Arsenic | 2.5 | U | No |
| GDH | SB | GDHSB08402 | mg/kg | Arsenic | 1.8 | U | No |
| GDH | SB | GDHSB08202 | mg/kg | Barium | 59.9 | J | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Barium | 47.5 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Barium | 36.6 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Barium | 36.3 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Barium | 35.3 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Barium | 33.4 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Barium | 28.8 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Barium | 28.8 | J | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Barium | 27.6 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Barium | 27.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB01702 | mg/kg | Barium | 26.8 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Barium | 26.6 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Barium | 25.3 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Barium | 25.2 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Barium | 24.3 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Barium | 23.6 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Barium | 23.6 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Barium | 23.5 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Barium | 23.4 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Barium | 20.1 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Barium | 19.3 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Barium | 18.3 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Barium | 15.4 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Barium | 15.2 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Barium | 13.7 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Barium | 13.7 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Barium | 12.5 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Barium | 11.5 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Barium | 11.2 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Barium | 11.1 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Barium | 11 | J | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Barium | 10.9 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Barium | 10.5 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Barium | 9.7 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Barium | 9.5 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Barium | 8.9 | J | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Barium | 8.5 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Barium | 6.7 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Barium | 6.3 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Barium | 5.3 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB06702 | mg/kg | Barium | 3 | J | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Barium | 2.4 | J | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Barium | 26.4 | U | No |
| GDH | SB | GDHSB08502 | mg/kg | Barium | 15.7 | U | No |
| GDH | SB | GDHSB09202 | mg/kg | Barium | 13.7 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Barium | 9.1 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Barium | 6.3 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Barium | 6.3 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Barium | 4 | U | No |
| GDH | SB | GDHSB00402 | mg/kg | Barium | 1.3 | U | No |
| GDH | SB | GDHSB00302 | mg/kg | Barium | 0.92 | U | No |
| GDH | SB | GDHSB02002 | mg/kg | Barium | 0.89 | U | No |
| GDH | SB | GDHSB00202 | mg/kg | Barium | 0.84 | U | No |
| GDH | SB | GDHSB07102 | mg/kg | Barium | 0.81 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Barium | 0.78 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Barium | 0.57 | U | No |
| GDH | SB | GDHSB05102 | mg/kg | Barium | 0.12 | U | No |
| GDH | SB | GDHSB04202 | mg/kg | Barium | 0.1 | U | No |
| GDH | SB | GDHSB04302 | mg/kg | Beryllium | 1.6 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Beryllium | 1.5 | J | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Beryllium | 1.4 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Beryllium | 1.4 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Beryllium | 1.3 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Beryllium | 1.3 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Beryllium | 1.3 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Beryllium | 1.2 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Beryllium | 1 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Beryllium | 1 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Beryllium | 1 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Beryllium | 1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB01502 | mg/kg | Beryllium | 1 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Beryllium | 0.96 | J | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Beryllium | 0.95 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Beryllium | 0.88 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Beryllium | 0.87 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Beryllium | 0.87 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Beryllium | 0.68 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Beryllium | 0.63 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Beryllium | 0.62 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Beryllium | 0.6 | J | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Beryllium | 0.6 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Beryllium | 0.58 | J | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Beryllium | 0.58 | J | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Beryllium | 0.55 | J | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Beryllium | 0.54 | J | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Beryllium | 0.53 | J | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Beryllium | 0.52 | J | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Beryllium | 0.5 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Beryllium | 0.5 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Beryllium | 0.49 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Beryllium | 0.48 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Beryllium | 0.48 | J | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Beryllium | 0.47 | J | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Beryllium | 0.47 | J | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Beryllium | 0.46 | J | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Beryllium | 0.41 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Beryllium | 0.41 | J | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Beryllium | 0.33 | J | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Beryllium | 0.32 | J | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Beryllium | 0.31 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB10402 | mg/kg | Beryllium | 0.3 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Beryllium | 0.29 | J | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Beryllium | 0.29 | J | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Beryllium | 0.28 | J | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Beryllium | 0.24 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Beryllium | 0.23 | J | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Beryllium | 0.16 | J | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Beryllium | 0.13 | J | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Beryllium | 0.12 | J | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Beryllium | 0.11 | J | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Beryllium | 0.09 | J | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Beryllium | 0.07 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Beryllium | 0.06 | J | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Beryllium | 0.55 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Beryllium | 0.53 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Beryllium | 0.24 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Cadmium | 1.2 | J | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Cadmium | 0.88 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Cadmium | 0.52 | J | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Cadmium | 0.47 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Cadmium | 0.26 | J | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Cadmium | 0.14 | J | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Cadmium | 2.2 | U | No |
| GDH | SB | GDHSB00102 | mg/kg | Cadmium | 1.9 | U | No |
| GDH | SB | GDHSB02002 | mg/kg | Cadmium | 1.6 | U | No |
| GDH | SB | GDHSB00302 | mg/kg | Cadmium | 1.6 | U | No |
| GDH | SB | GDHSB00202 | mg/kg | Cadmium | 1.5 | U | No |
| GDH | SB | GDHSB07102 | mg/kg | Cadmium | 1.4 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Cadmium | 1.4 | U | No |
| GDH | SB | GDHSB02702 | mg/kg | Cadmium | 1.3 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB08602 | mg/kg | Cadmium | 1.2 | U | No |
| GDH | SB | GDHSB08202 | mg/kg | Cadmium | 1.1 | U | No |
| GDH | SB | GDHSB08002 | mg/kg | Cadmium | 0.85 | U | No |
| GDH | SB | GDHSB07902 | mg/kg | Cadmium | 0.79 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Cadmium | 0.71 | U | No |
| GDH | SB | GDHSB08802 | mg/kg | Cadmium | 0.29 | U | No |
| GDH | SB | GDHSB04502 | mg/kg | Cadmium | 0.28 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Cadmium | 0.27 | U | No |
| GDH | SB | GDHSB01502 | mg/kg | Cadmium | 0.26 | U | No |
| GDH | SB | GDHSB01702 | mg/kg | Cadmium | 0.25 | U | No |
| GDH | SB | GDHSB03402 | mg/kg | Cadmium | 0.25 | U | No |
| GDH | SB | GDHSB01002 | mg/kg | Cadmium | 0.24 | U | No |
| GDH | SB | GDHSB03302 | mg/kg | Cadmium | 0.22 | U | No |
| GDH | SB | GDHSB05102 | mg/kg | Cadmium | 0.22 | U | No |
| GDH | SB | GDHSB04602 | mg/kg | Cadmium | 0.22 | U | No |
| GDH | SB | GDHSB04002 | mg/kg | Cadmium | 0.21 | U | No |
| GDH | SB | GDHSB04302 | mg/kg | Cadmium | 0.21 | U | No |
| GDH | SB | GDHSB08402 | mg/kg | Cadmium | 0.21 | U | No |
| GDH | SB | GDHSB03802 | mg/kg | Cadmium | 0.2 | U | No |
| GDH | SB | GDHSB00802 | mg/kg | Cadmium | 0.2 | U | No |
| GDH | SB | GDHSB09202 | mg/kg | Cadmium | 0.2 | U | No |
| GDH | SB | GDHSB01402 | mg/kg | Cadmium | 0.19 | U | No |
| GDH | SB | GDHSB01302 | mg/kg | Cadmium | 0.19 | U | No |
| GDH | SB | GDHSB04202 | mg/kg | Cadmium | 0.18 | U | No |
| GDH | SB | GDHSB03702 | mg/kg | Cadmium | 0.18 | U | No |
| GDH | SB | GDHSB05202 | mg/kg | Cadmium | 0.18 | U | No |
| GDH | SB | GDHSB07202 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SB | GDHSB04702 | mg/kg | Cadmium | 0.17 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Cadmium | 0.17 | UJ | No |
| GDH | SB | GDHSB01102 | mg/kg | Cadmium | 0.16 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB06702 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SB | GDHSB01902 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SB | GDHSB07302 | mg/kg | Cadmium | 0.15 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Cadmium | 0.15 | UJ | No |
| GDH | SB | GDHSB00902 | mg/kg | Cadmium | 0.14 | U | No |
| GDH | SB | GDHSB03202 | mg/kg | Cadmium | 0.14 | U | No |
| GDH | SB | GDHSB00602 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SB | GDHSB06402 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SB | GDHSB06302 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SB | GDHSB05602 | mg/kg | Cadmium | 0.13 | U | No |
| GDH | SB | GDHSB01602 | mg/kg | Cadmium | 0.12 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Cadmium | 0.12 | U | No |
| GDH | SB | GDHSB05302 | mg/kg | Cadmium | 0.09 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Calcium | 320000 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Calcium | 295000 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Calcium | 242000 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Calcium | 198000 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Calcium | 195000 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Calcium | 190000 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Calcium | 189000 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Calcium | 181000 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Calcium | 146000 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Calcium | 143000 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Calcium | 134000 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Calcium | 120000 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Calcium | 99200 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Calcium | 99100 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Calcium | 88900 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Calcium | 68500 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB05402 | mg/kg | Calcium | 65200 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Calcium | 63300 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Calcium | 47200 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Calcium | 46500 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Calcium | 44300 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Calcium | 44100 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Calcium | 41400 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Calcium | 38800 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Calcium | 31300 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Calcium | 26200 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Calcium | 22800 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Calcium | 20000 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Calcium | 16100 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Calcium | 15600 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Calcium | 15300 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Calcium | 15200 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Calcium | 13500 | = | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Calcium | 12500 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Calcium | 12200 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Calcium | 11800 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Calcium | 9990 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Calcium | 9010 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Calcium | 8610 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Calcium | 8440 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Calcium | 7710 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Calcium | 7030 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Calcium | 6460 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Calcium | 6060 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Calcium | 5910 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Calcium | 5800 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB07902 | mg/kg | Calcium | 4600 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Calcium | 4090 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Calcium | 3920 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Calcium | 3540 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Calcium | 3460 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Calcium | 3070 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Calcium | 2340 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Calcium | 1570 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Calcium | 967 | = | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Calcium | 961 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Calcium | 561 | J | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Calcium | 346 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Chromium, Total | 95.2 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Chromium, Total | 72.6 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Chromium, Total | 72.1 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Chromium, Total | 68.6 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Chromium, Total | 64.9 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Chromium, Total | 61.8 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Chromium, Total | 58.6 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Chromium, Total | 57.3 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Chromium, Total | 56.8 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Chromium, Total | 56.4 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Chromium, Total | 54 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Chromium, Total | 51.6 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Chromium, Total | 49.6 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Chromium, Total | 47.9 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Chromium, Total | 45.6 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Chromium, Total | 44.7 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Chromium, Total | 43.7 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Chromium, Total | 41.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB05102 | mg/kg | Chromium, Total | 41.3 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Chromium, Total | 41 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Chromium, Total | 39.3 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Chromium, Total | 39.1 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Chromium, Total | 38.5 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Chromium, Total | 36.4 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Chromium, Total | 36.3 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Chromium, Total | 35.4 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Chromium, Total | 33.7 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Chromium, Total | 31.8 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Chromium, Total | 31.6 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Chromium, Total | 30.5 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Chromium, Total | 30.4 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Chromium, Total | 29.5 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Chromium, Total | 25.5 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Chromium, Total | 24.9 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Chromium, Total | 23.6 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Chromium, Total | 23.2 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Chromium, Total | 22.8 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Chromium, Total | 21.8 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Chromium, Total | 19.6 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Chromium, Total | 19.4 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Chromium, Total | 18.2 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Chromium, Total | 16.5 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Chromium, Total | 16 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Chromium, Total | 14.3 | = | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Chromium, Total | 11.9 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Chromium, Total | 11.6 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Chromium, Total | 8.2 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Chromium, Total | 8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB07902 | mg/kg | Chromium, Total | 7.8 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Chromium, Total | 6.9 | = | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Chromium, Total | 6.6 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Chromium, Total | 6.4 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Chromium, Total | 5.8 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Chromium, Total | 5.4 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Chromium, Total | 5.1 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Chromium, Total | 4.9 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Chromium, Total | 3.2 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Chromium, Total | 2.9 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Cobalt | 12 | J | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Cobalt | 9.4 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Cobalt | 8.2 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Cobalt | 7.5 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Cobalt | 7.2 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Cobalt | 7.1 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Cobalt | 6.6 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Cobalt | 6.6 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Cobalt | 6 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Cobalt | 5.8 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Cobalt | 5.6 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Cobalt | 5.4 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Cobalt | 5.3 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Cobalt | 4.6 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Cobalt | 4.6 | J | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Cobalt | 4.4 | J | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Cobalt | 4.3 | J | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Cobalt | 4.3 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Cobalt | 3.5 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Cobalt | 3.4 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB04702 | mg/kg | Cobalt | 3.4 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Cobalt | 3.2 | J | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Cobalt | 3.1 | J | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Cobalt | 3.1 | J | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Cobalt | 3 | J | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Cobalt | 2.7 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Cobalt | 2.7 | J | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Cobalt | 2.4 | J | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Cobalt | 2.3 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Cobalt | 2 | J | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Cobalt | 1.9 | J | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Cobalt | 1.8 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Cobalt | 1.5 | J | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Cobalt | 1.5 | J | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Cobalt | 1.5 | J | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Cobalt | 1.3 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Cobalt | 1.2 | J | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Cobalt | 0.95 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Cobalt | 0.89 | J | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Cobalt | 0.82 | J | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Cobalt | 0.77 | J | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Cobalt | 0.73 | J | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Cobalt | 0.32 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Cobalt | 0.27 | J | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Cobalt | 4.7 | U | No |
| GDH | SB | GDHSB00402 | mg/kg | Cobalt | 3.9 | U | No |
| GDH | SB | GDHSB08802 | mg/kg | Cobalt | 3.9 | U | No |
| GDH | SB | GDHSB09202 | mg/kg | Cobalt | 2.9 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Cobalt | 2.7 | U | No |
| GDH | SB | GDHSB00202 | mg/kg | Cobalt | 2.6 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03102 | mg/kg | Cobalt | 2.4 | U | No |
| GDH | SB | GDHSB02702 | mg/kg | Cobalt | 2.3 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Cobalt | 2.2 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Cobalt | 1.8 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Cobalt | 1.3 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Cobalt | 0.64 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Cobalt | 0.52 | U | No |
| GDH | SB | GDHSB01902 | mg/kg | Cobalt | 0.26 | U | No |
| GDH | SB | GDHSB08202 | mg/kg | Copper | 34.5 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Copper | 28.9 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Copper | 27.1 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Copper | 25.6 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Copper | 24.5 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Copper | 23.5 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Copper | 22.3 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Copper | 22 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Copper | 21.9 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Copper | 21.2 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Copper | 20.5 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Copper | 20.2 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Copper | 20.1 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Copper | 18.5 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Copper | 18.1 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Copper | 17.9 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Copper | 15.5 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Copper | 14.6 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Copper | 13.3 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Copper | 11.8 | J | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Copper | 10.8 | J | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Copper | 10.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB07202 | mg/kg | Copper | 10.5 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Copper | 10.3 | J | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Copper | 9.8 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Copper | 9.3 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Copper | 9.3 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Copper | 9.2 | J | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Copper | 9 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Copper | 8.4 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Copper | 8.4 | J | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Copper | 8.4 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Copper | 8.4 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Copper | 7 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Copper | 6.7 | J | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Copper | 4.3 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Copper | 3.5 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Copper | 2.8 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Copper | 2.2 | J | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Copper | 1.7 | J | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Copper | 1.6 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Copper | 1.3 | J | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Copper | 0.72 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Copper | 0.66 | J | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Copper | 0.64 | J | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Copper | 0.53 | J | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Copper | 8.6 | U | No |
| GDH | SB | GDHSB09202 | mg/kg | Copper | 7.2 | U | No |
| GDH | SB | GDHSB08802 | mg/kg | Copper | 6.3 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Copper | 6.1 | U | No |
| GDH | SB | GDHSB02702 | mg/kg | Copper | 4.8 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Copper | 3.6 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB05602 | mg/kg | Copper | 2.4 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Copper | 2.2 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Copper | 1.7 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Copper | 1.4 | U | No |
| GDH | SB | GDHSB05302 | mg/kg | Copper | 0.9 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Copper | 0.62 | UJ | No |
| GDH | SB | GDHSB08202 | mg/kg | Iron | 54300 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Iron | 46800 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Iron | 44600 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Iron | 40600 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Iron | 40400 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Iron | 34900 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Iron | 34200 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Iron | 33600 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Iron | 32900 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Iron | 30800 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Iron | 30100 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Iron | 30000 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Iron | 27100 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Iron | 21000 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Iron | 19900 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Iron | 19600 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Iron | 18300 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Iron | 17900 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Iron | 14500 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Iron | 14300 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Iron | 13100 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Iron | 13100 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Iron | 13000 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Iron | 12100 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03802 | mg/kg | Iron | 12000 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Iron | 12000 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Iron | 8690 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Iron | 8620 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Iron | 7590 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Iron | 7540 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Iron | 7310 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Iron | 7160 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Iron | 7030 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Iron | 6320 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Iron | 6320 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Iron | 6060 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Iron | 5950 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Iron | 5920 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Iron | 5800 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Iron | 5760 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Iron | 5730 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Iron | 5310 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Iron | 4920 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Iron | 4650 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Iron | 4540 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Iron | 4310 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Iron | 4270 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Iron | 4230 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Iron | 3610 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Iron | 3530 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Iron | 3480 | = | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Iron | 2840 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Iron | 2280 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Iron | 1920 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB00902 | mg/kg | Iron | 1900 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Iron | 1570 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Iron | 1380 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Iron | 1210 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Lead | 39.4 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Lead | 38.7 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Lead | 37.3 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Lead | 37.2 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Lead | 36.3 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Lead | 36.2 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Lead | 34 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Lead | 33.9 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Lead | 33.8 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Lead | 31.7 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Lead | 28 | J | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Lead | 27.8 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Lead | 27.5 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Lead | 24.7 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Lead | 24.6 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Lead | 23.9 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Lead | 23 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Lead | 22.1 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Lead | 21.1 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Lead | 19 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Lead | 18.4 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Lead | 16 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Lead | 12.4 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Lead | 10.5 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Lead | 9.7 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Lead | 9.5 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB09202 | mg/kg | Lead | 8.1 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Lead | 7.5 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Lead | 6.5 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Lead | 6.5 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Lead | 6.4 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Lead | 6.1 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Lead | 5.4 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Lead | 5.3 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Lead | 5.1 | J | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Lead | 4.3 | J | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Lead | 3.6 | J | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Lead | 3.6 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Lead | 3.5 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Lead | 3.1 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Lead | 2.8 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Lead | 2.5 | J | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Lead | 2.3 | J | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Lead | 2.1 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Lead | 2.1 | J | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Lead | 23.7 | U | No |
| GDH | SB | GDHSB00102 | mg/kg | Lead | 19.8 | U | No |
| GDH | SB | GDHSB01302 | mg/kg | Lead | 19.6 | U | No |
| GDH | SB | GDHSB01402 | mg/kg | Lead | 19.3 | U | No |
| GDH | SB | GDHSB02002 | mg/kg | Lead | 16.8 | U | No |
| GDH | SB | GDHSB07102 | mg/kg | Lead | 15.2 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Lead | 14.6 | U | No |
| GDH | SB | GDHSB02702 | mg/kg | Lead | 14 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Lead | 10.7 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Lead | 9.6 | UJ | No |
| GDH | SB | GDHSB01902 | mg/kg | Lead | 3.4 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB08602 | mg/kg | Lead | 2.4 | UJ | No |
| GDH | SB | GDHSB04202 | mg/kg | Lead | 1.9 | U | No |
| GDH | SB | GDHSB07102 | mg/kg | Magnesium | 12700 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Magnesium | 9100 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Magnesium | 8360 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Magnesium | 7620 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Magnesium | 6670 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Magnesium | 6370 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Magnesium | 6120 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Magnesium | 5780 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Magnesium | 5730 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Magnesium | 5440 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Magnesium | 5420 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Magnesium | 5320 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Magnesium | 5230 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Magnesium | 4780 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Magnesium | 4330 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Magnesium | 4160 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Magnesium | 4080 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Magnesium | 4010 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Magnesium | 3990 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Magnesium | 3900 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Magnesium | 3820 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Magnesium | 3800 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Magnesium | 3780 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Magnesium | 3590 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Magnesium | 3570 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Magnesium | 3150 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Magnesium | 3140 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Magnesium | 3110 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03302 | mg/kg | Magnesium | 3000 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Magnesium | 2960 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Magnesium | 2750 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Magnesium | 2660 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Magnesium | 2600 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Magnesium | 2550 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Magnesium | 2520 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Magnesium | 2460 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Magnesium | 2040 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Magnesium | 1950 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Magnesium | 1900 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Magnesium | 1780 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Magnesium | 1590 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Magnesium | 1450 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Magnesium | 1370 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Magnesium | 1180 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Magnesium | 809 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Magnesium | 757 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Magnesium | 731 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Magnesium | 629 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Magnesium | 546 | J | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Magnesium | 522 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Magnesium | 470 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Magnesium | 290 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Magnesium | 277 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Magnesium | 266 | J | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Magnesium | 222 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Magnesium | 186 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Magnesium | 153 | = | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Magnesium | 79.6 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB08202 | mg/kg | Manganese | 966 | J | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Manganese | 791 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Manganese | 753 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Manganese | 737 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Manganese | 707 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Manganese | 655 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Manganese | 582 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Manganese | 501 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Manganese | 483 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Manganese | 430 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Manganese | 417 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Manganese | 415 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Manganese | 399 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Manganese | 284 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Manganese | 271 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Manganese | 254 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Manganese | 198 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Manganese | 192 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Manganese | 178 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Manganese | 173 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Manganese | 166 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Manganese | 156 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Manganese | 153 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Manganese | 141 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Manganese | 124 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Manganese | 124 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Manganese | 116 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Manganese | 115 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Manganese | 114 | J | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Manganese | 110 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB02702 | mg/kg | Manganese | 92.8 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Manganese | 82.6 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Manganese | 81.4 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Manganese | 76.9 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Manganese | 67.1 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Manganese | 59.6 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Manganese | 58.3 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Manganese | 51.9 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Manganese | 51.5 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Manganese | 51.3 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Manganese | 49.1 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Manganese | 45.6 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Manganese | 45.4 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Manganese | 43.5 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Manganese | 41.3 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Manganese | 39.2 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Manganese | 39.1 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Manganese | 38.8 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Manganese | 24.9 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Manganese | 19.2 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Manganese | 18.7 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Manganese | 17 | = | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Manganese | 16.7 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Manganese | 10.2 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Manganese | 8.6 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Manganese | 8.3 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Manganese | 7.1 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Manganese | 5.6 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Mercury | 1.3 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Mercury | 1.1 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03302 | mg/kg | Mercury | 0.97 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Mercury | 0.97 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Mercury | 0.78 | J | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Mercury | 0.49 | J | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Mercury | 0.38 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Mercury | 0.27 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Mercury | 0.26 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Mercury | 0.25 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Mercury | 0.24 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Mercury | 0.23 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Mercury | 0.23 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Mercury | 0.21 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Mercury | 0.2 | J | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Mercury | 0.17 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Mercury | 0.17 | J | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Mercury | 0.11 | J | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Mercury | 0.11 | J | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Mercury | 0.11 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Mercury | 0.1 | J | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Mercury | 0.08 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Mercury | 0.06 | J | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Mercury | 0.06 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Mercury | 0.05 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Mercury | 0.04 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Mercury | 0.03 | J | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Mercury | 0.03 | J | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Mercury | 0.03 | J | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Mercury | 0.03 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03702 | mg/kg | Mercury | 0.02 | J | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Mercury | 0.28 | U | No |
| GDH | SB | GDHSB01302 | mg/kg | Mercury | 0.25 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Mercury | 0.22 | U | No |
| GDH | SB | GDHSB01902 | mg/kg | Mercury | 0.19 | U | No |
| GDH | SB | GDHSB08002 | mg/kg | Mercury | 0.14 | U | No |
| GDH | SB | GDHSB07902 | mg/kg | Mercury | 0.13 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Mercury | 0.12 | U | No |
| GDH | SB | GDHSB00302 | mg/kg | Mercury | 0.08 | UJ | No |
| GDH | SB | GDHSB03102 | mg/kg | Mercury | 0.04 | U | No |
| GDH | SB | GDHSB02702 | mg/kg | Mercury | 0.04 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Mercury | 0.04 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB06302 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB06402 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB07102 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB08502 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB08402 | mg/kg | Mercury | 0.03 | U | No |
| GDH | SB | GDHSB05602 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SB | GDHSB06702 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SB | GDHSB05402 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SB | GDHSB08802 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Mercury | 0.02 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Nickel | 78.3 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Nickel | 29.5 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Nickel | 23.6 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Nickel | 23.6 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB08202 | mg/kg | Nickel | 22.8 | J | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Nickel | 21.9 | J | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Nickel | 21.7 | J | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Nickel | 20.1 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Nickel | 19 | J | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Nickel | 17.9 | J | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Nickel | 17.3 | J | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Nickel | 17.1 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Nickel | 16.2 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Nickel | 16 | J | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Nickel | 15.5 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Nickel | 15 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Nickel | 14.2 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Nickel | 14 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Nickel | 13.7 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Nickel | 12.7 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Nickel | 12.3 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Nickel | 12.3 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Nickel | 12.3 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Nickel | 11.5 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Nickel | 11.3 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Nickel | 11 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Nickel | 10.9 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Nickel | 10.6 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Nickel | 10.4 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Nickel | 9.6 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Nickel | 9.2 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Nickel | 9.1 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Nickel | 8.9 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Nickel | 8.7 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03802 | mg/kg | Nickel | 7.7 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Nickel | 7.4 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Nickel | 7 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Nickel | 6.4 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Nickel | 5.9 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Nickel | 5.2 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Nickel | 4.8 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Nickel | 3.9 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Nickel | 2.4 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Nickel | 2.3 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Nickel | 2 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Nickel | 1.8 | J | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Nickel | 1.6 | J | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Nickel | 1.1 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Nickel | 0.74 | J | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Nickel | 8.4 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Nickel | 6 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Nickel | 5.2 | U | No |
| GDH | SB | GDHSB07902 | mg/kg | Nickel | 3.4 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Nickel | 3.1 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Nickel | 1.7 | U | No |
| GDH | SB | GDHSB06702 | mg/kg | Nickel | 0.65 | UJ | No |
| GDH | SB | GDHSB01902 | mg/kg | Nickel | 0.63 | U | No |
| GDH | SB | GDHSB06302 | mg/kg | Nickel | 0.54 | U | No |
| GDH | SB | GDHSB03902 | mg/kg | Potassium | 2800 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Potassium | 2660 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Potassium | 2650 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Potassium | 2500 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Potassium | 2440 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Potassium | 2260 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB01702 | mg/kg | Potassium | 2050 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Potassium | 1950 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Potassium | 1840 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Potassium | 1820 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Potassium | 1780 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Potassium | 1680 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Potassium | 1650 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Potassium | 1610 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Potassium | 1610 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Potassium | 1550 | J | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Potassium | 1400 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Potassium | 1360 | J | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Potassium | 1340 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Potassium | 1220 | J | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Potassium | 1210 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Potassium | 1180 | J | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Potassium | 1130 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Potassium | 1110 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Potassium | 1100 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Potassium | 1030 | J | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Potassium | 978 | J | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Potassium | 946 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Potassium | 941 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Potassium | 910 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Potassium | 862 | J | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Potassium | 835 | J | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Potassium | 828 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Potassium | 789 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Potassium | 760 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Potassium | 726 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB01602 | mg/kg | Potassium | 642 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Potassium | 578 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Potassium | 569 | J | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Potassium | 563 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Potassium | 449 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Potassium | 447 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Potassium | 374 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Potassium | 212 | J | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Potassium | 196 | J | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Potassium | 189 | J | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Potassium | 176 | J | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Potassium | 173 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Potassium | 60.1 | J | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Potassium | 841 | U | No |
| GDH | SB | GDHSB00402 | mg/kg | Potassium | 690 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Potassium | 442 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Potassium | 426 | U | No |
| GDH | SB | GDHSB05602 | mg/kg | Potassium | 258 | U | No |
| GDH | SB | GDHSB05302 | mg/kg | Potassium | 160 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Potassium | 155 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Potassium | 154 | U | No |
| GDH | SB | GDHSB06702 | mg/kg | Potassium | 149 | U | No |
| GDH | SB | GDHSB08002 | mg/kg | Selenium | 3.9 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Selenium | 2.7 | J | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Selenium | 2 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Selenium | 2 | J | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Selenium | 1.8 | J | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Selenium | 1.7 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Selenium | 1.5 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Selenium | 1.4 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB00802 | mg/kg | Selenium | 1.3 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Selenium | 1.1 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Selenium | 1.1 | J | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Selenium | 1.1 | J | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Selenium | 1 | J | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Selenium | 0.89 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Selenium | 0.89 | J | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Selenium | 0.76 | J | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Selenium | 0.72 | J | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Selenium | 0.7 | J | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Selenium | 0.62 | J | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Selenium | 0.47 | J | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Selenium | 0.46 | J | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Selenium | 0.36 | J | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Selenium | 1.5 | U | No |
| GDH | SB | GDHSB07902 | mg/kg | Selenium | 1.1 | U | No |
| GDH | SB | GDHSB07102 | mg/kg | Selenium | 1 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Selenium | 0.99 | UJ | No |
| GDH | SB | GDHSB03402 | mg/kg | Selenium | 0.97 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Selenium | 0.64 | UJ | No |
| GDH | SB | GDHSB07302 | mg/kg | Selenium | 0.57 | U | No |
| GDH | SB | GDHSB03202 | mg/kg | Selenium | 0.55 | U | No |
| GDH | SB | GDHSB04502 | mg/kg | Selenium | 0.54 | U | No |
| GDH | SB | GDHSB01502 | mg/kg | Selenium | 0.51 | U | No |
| GDH | SB | GDHSB01702 | mg/kg | Selenium | 0.48 | U | No |
| GDH | SB | GDHSB01002 | mg/kg | Selenium | 0.47 | U | No |
| GDH | SB | GDHSB08802 | mg/kg | Selenium | 0.45 | UJ | No |
| GDH | SB | GDHSB03302 | mg/kg | Selenium | 0.43 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Selenium | 0.43 | U | No |
| GDH | SB | GDHSB03802 | mg/kg | Selenium | 0.4 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB10702 | mg/kg | Selenium | 0.39 | U | No |
| GDH | SB | GDHSB01302 | mg/kg | Selenium | 0.37 | U | No |
| GDH | SB | GDHSB01402 | mg/kg | Selenium | 0.36 | UJ | No |
| GDH | SB | GDHSB03702 | mg/kg | Selenium | 0.36 | U | No |
| GDH | SB | GDHSB04702 | mg/kg | Selenium | 0.34 | U | No |
| GDH | SB | GDHSB07202 | mg/kg | Selenium | 0.33 | U | No |
| GDH | SB | GDHSB06702 | mg/kg | Selenium | 0.29 | U | No |
| GDH | SB | GDHSB01902 | mg/kg | Selenium | 0.28 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Selenium | 0.27 | U | No |
| GDH | SB | GDHSB00902 | mg/kg | Selenium | 0.27 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Selenium | 0.26 | U | No |
| GDH | SB | GDHSB05802 | mg/kg | Selenium | 0.26 | U | No |
| GDH | SB | GDHSB00602 | mg/kg | Selenium | 0.26 | U | No |
| GDH | SB | GDHSB06402 | mg/kg | Selenium | 0.25 | U | No |
| GDH | SB | GDHSB05602 | mg/kg | Selenium | 0.25 | U | No |
| GDH | SB | GDHSB00702 | mg/kg | Selenium | 0.24 | U | No |
| GDH | SB | GDHSB06302 | mg/kg | Selenium | 0.24 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Selenium | 0.23 | U | No |
| GDH | SB | GDHSB01602 | mg/kg | Selenium | 0.23 | U | No |
| GDH | SB | GDHSB05302 | mg/kg | Selenium | 0.17 | U | No |
| GDH | SB | GDHSB08202 | mg/kg | Silver | 1.7 | J | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Silver | 3.8 | UJ | No |
| GDH | SB | GDHSB00102 | mg/kg | Silver | 3.2 | UJ | No |
| GDH | SB | GDHSB00302 | mg/kg | Silver | 2.8 | UJ | No |
| GDH | SB | GDHSB02002 | mg/kg | Silver | 2.7 | U | No |
| GDH | SB | GDHSB00202 | mg/kg | Silver | 2.5 | UJ | No |
| GDH | SB | GDHSB07102 | mg/kg | Silver | 2.4 | U | No |
| GDH | SB | GDHSB03102 | mg/kg | Silver | 2.3 | UJ | No |
| GDH | SB | GDHSB02702 | mg/kg | Silver | 2.2 | UJ | No |
| GDH | SB | GDHSB08602 | mg/kg | Silver | 2 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB01202 | mg/kg | Silver | 1.7 | U | No |
| GDH | SB | GDHSB07902 | mg/kg | Silver | 1.1 | U | No |
| GDH | SB | GDHSB08002 | mg/kg | Silver | 1.1 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Silver | 0.95 | U | No |
| GDH | SB | GDHSB03902 | mg/kg | Silver | 0.55 | UJ | No |
| GDH | SB | GDHSB08802 | mg/kg | Silver | 0.47 | U | No |
| GDH | SB | GDHSB04502 | mg/kg | Silver | 0.47 | UJ | No |
| GDH | SB | GDHSB08502 | mg/kg | Silver | 0.45 | U | No |
| GDH | SB | GDHSB01502 | mg/kg | Silver | 0.44 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Silver | 0.44 | U | No |
| GDH | SB | GDHSB03402 | mg/kg | Silver | 0.42 | UJ | No |
| GDH | SB | GDHSB01002 | mg/kg | Silver | 0.41 | UJ | No |
| GDH | SB | GDHSB01702 | mg/kg | Silver | 0.41 | U | No |
| GDH | SB | GDHSB03302 | mg/kg | Silver | 0.38 | UJ | No |
| GDH | SB | GDHSB04602 | mg/kg | Silver | 0.38 | UJ | No |
| GDH | SB | GDHSB05102 | mg/kg | Silver | 0.37 | U | No |
| GDH | SB | GDHSB04002 | mg/kg | Silver | 0.36 | UJ | No |
| GDH | SB | GDHSB04302 | mg/kg | Silver | 0.36 | UJ | No |
| GDH | SB | GDHSB03802 | mg/kg | Silver | 0.34 | UJ | No |
| GDH | SB | GDHSB08402 | mg/kg | Silver | 0.34 | U | No |
| GDH | SB | GDHSB00802 | mg/kg | Silver | 0.33 | UJ | No |
| GDH | SB | GDHSB09202 | mg/kg | Silver | 0.33 | U | No |
| GDH | SB | GDHSB01302 | mg/kg | Silver | 0.32 | U | No |
| GDH | SB | GDHSB04202 | mg/kg | Silver | 0.31 | UJ | No |
| GDH | SB | GDHSB01402 | mg/kg | Silver | 0.31 | U | No |
| GDH | SB | GDHSB03702 | mg/kg | Silver | 0.31 | UJ | No |
| GDH | SB | GDHSB05202 | mg/kg | Silver | 0.3 | U | No |
| GDH | SB | GDHSB07202 | mg/kg | Silver | 0.29 | U | No |
| GDH | SB | GDHSB04702 | mg/kg | Silver | 0.29 | U | No |
| GDH | SB | GDHSB01102 | mg/kg | Silver | 0.28 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB06702 | mg/kg | Silver | 0.25 | U | No |
| GDH | SB | GDHSB07302 | mg/kg | Silver | 0.25 | U | No |
| GDH | SB | GDHSB01902 | mg/kg | Silver | 0.25 | U | No |
| GDH | SB | GDHSB03202 | mg/kg | Silver | 0.24 | UJ | No |
| GDH | SB | GDHSB05402 | mg/kg | Silver | 0.24 | U | No |
| GDH | SB | GDHSB00902 | mg/kg | Silver | 0.24 | UJ | No |
| GDH | SB | GDHSB02302 | mg/kg | Silver | 0.23 | UJ | No |
| GDH | SB | GDHSB05802 | mg/kg | Silver | 0.23 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Silver | 0.23 | U | No |
| GDH | SB | GDHSB00602 | mg/kg | Silver | 0.22 | UJ | No |
| GDH | SB | GDHSB00702 | mg/kg | Silver | 0.21 | UJ | No |
| GDH | SB | GDHSB06402 | mg/kg | Silver | 0.21 | U | No |
| GDH | SB | GDHSB06302 | mg/kg | Silver | 0.21 | U | No |
| GDH | SB | GDHSB05602 | mg/kg | Silver | 0.21 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Silver | 0.21 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Silver | 0.2 | UJ | No |
| GDH | SB | GDHSB01602 | mg/kg | Silver | 0.2 | U | No |
| GDH | SB | GDHSB05302 | mg/kg | Silver | 0.15 | U | No |
| GDH | SB | GDHSB07202 | mg/kg | Sodium | 2110 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Sodium | 1600 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Sodium | 1450 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Sodium | 1420 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Sodium | 1350 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Sodium | 1330 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Sodium | 1320 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Sodium | 1290 | J | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Sodium | 1110 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Sodium | 1090 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Sodium | 1060 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Sodium | 1010 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB05402 | mg/kg | Sodium | 961 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Sodium | 907 | J | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Sodium | 900 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Sodium | 889 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Sodium | 883 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Sodium | 865 | J | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Sodium | 811 | J | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Sodium | 767 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Sodium | 679 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Sodium | 669 | J | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Sodium | 649 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Sodium | 606 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Sodium | 578 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Sodium | 494 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Sodium | 482 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Sodium | 481 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Sodium | 477 | J | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Sodium | 463 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Sodium | 410 | J | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Sodium | 350 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Sodium | 312 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Sodium | 298 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Sodium | 276 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Sodium | 274 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Sodium | 268 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Sodium | 261 | J | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Sodium | 236 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Sodium | 234 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Sodium | 175 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Sodium | 161 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03802 | mg/kg | Sodium | 144 | = | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Sodium | 135 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Sodium | 132 | J | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Sodium | 127 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Sodium | 123 | J | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Sodium | 78.1 | J | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Sodium | 72 | J | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Sodium | 63.1 | J | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Sodium | 54.4 | J | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Sodium | 49.5 | J | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Sodium | 45.5 | J | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Sodium | 41.6 | J | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Sodium | 17.7 | J | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Sodium | 11.3 | J | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Sodium | 714 | U | No |
| GDH | SB | GDHSB08402 | mg/kg | Sodium | 313 | U | No |
| GDH | SB | GDHSB04502 | mg/kg | Thallium | 1.9 | J | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Thallium | 1.3 | J | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Thallium | 1.2 | J | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Thallium | 0.96 | J | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Thallium | 0.92 | J | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Thallium | 0.46 | J | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Thallium | 0.41 | J | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Thallium | 0.36 | J | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Thallium | 0.36 | J | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Thallium | 1.5 | U | No |
| GDH | SB | GDHSB08002 | mg/kg | Thallium | 1.1 | U | No |
| GDH | SB | GDHSB07902 | mg/kg | Thallium | 1.1 | U | No |
| GDH | SB | GDHSB03402 | mg/kg | Thallium | 0.97 | U | No |
| GDH | SB | GDHSB07802 | mg/kg | Thallium | 0.95 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB08802 | mg/kg | Thallium | 0.79 | UJ | No |
| GDH | SB | GDHSB08702 | mg/kg | Thallium | 0.74 | UJ | No |
| GDH | SB | GDHSB08602 | mg/kg | Thallium | 0.68 | UJ | No |
| GDH | SB | GDHSB07302 | mg/kg | Thallium | 0.57 | UJ | No |
| GDH | SB | GDHSB03202 | mg/kg | Thallium | 0.55 | U | No |
| GDH | SB | GDHSB01502 | mg/kg | Thallium | 0.51 | UJ | No |
| GDH | SB | GDHSB01702 | mg/kg | Thallium | 0.48 | UJ | No |
| GDH | SB | GDHSB01002 | mg/kg | Thallium | 0.47 | U | No |
| GDH | SB | GDHSB10402 | mg/kg | Thallium | 0.46 | U | No |
| GDH | SB | GDHSB00402 | mg/kg | Thallium | 0.43 | U | No |
| GDH | SB | GDHSB03302 | mg/kg | Thallium | 0.43 | U | No |
| GDH | SB | GDHSB05102 | mg/kg | Thallium | 0.42 | U | No |
| GDH | SB | GDHSB10702 | mg/kg | Thallium | 0.41 | U | No |
| GDH | SB | GDHSB01102 | mg/kg | Thallium | 0.41 | U | No |
| GDH | SB | GDHSB00802 | mg/kg | Thallium | 0.38 | U | No |
| GDH | SB | GDHSB01302 | mg/kg | Thallium | 0.37 | UJ | No |
| GDH | SB | GDHSB00102 | mg/kg | Thallium | 0.36 | U | No |
| GDH | SB | GDHSB01402 | mg/kg | Thallium | 0.36 | U | No |
| GDH | SB | GDHSB01202 | mg/kg | Thallium | 0.36 | U | No |
| GDH | SB | GDHSB04202 | mg/kg | Thallium | 0.35 | UJ | No |
| GDH | SB | GDHSB05202 | mg/kg | Thallium | 0.34 | U | No |
| GDH | SB | GDHSB04702 | mg/kg | Thallium | 0.34 | U | No |
| GDH | SB | GDHSB07202 | mg/kg | Thallium | 0.33 | UJ | No |
| GDH | SB | GDHSB00302 | mg/kg | Thallium | 0.32 | U | No |
| GDH | SB | GDHSB02002 | mg/kg | Thallium | 0.31 | UJ | No |
| GDH | SB | GDHSB06702 | mg/kg | Thallium | 0.29 | UJ | No |
| GDH | SB | GDHSB00202 | mg/kg | Thallium | 0.29 | U | No |
| GDH | SB | GDHSB07102 | mg/kg | Thallium | 0.28 | UJ | No |
| GDH | SB | GDHSB01902 | mg/kg | Thallium | 0.28 | UJ | No |
| GDH | SB | GDHSB03102 | mg/kg | Thallium | 0.27 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB05402 | mg/kg | Thallium | 0.27 | U | No |
| GDH | SB | GDHSB00902 | mg/kg | Thallium | 0.27 | U | No |
| GDH | SB | GDHSB02702 | mg/kg | Thallium | 0.26 | U | No |
| GDH | SB | GDHSB02302 | mg/kg | Thallium | 0.26 | U | No |
| GDH | SB | GDHSB00602 | mg/kg | Thallium | 0.26 | U | No |
| GDH | SB | GDHSB05802 | mg/kg | Thallium | 0.26 | U | No |
| GDH | SB | GDHSB06402 | mg/kg | Thallium | 0.25 | UJ | No |
| GDH | SB | GDHSB05602 | mg/kg | Thallium | 0.25 | U | No |
| GDH | SB | GDHSB00702 | mg/kg | Thallium | 0.24 | U | No |
| GDH | SB | GDHSB06302 | mg/kg | Thallium | 0.24 | UJ | No |
| GDH | SB | GDHSB02602 | mg/kg | Thallium | 0.23 | U | No |
| GDH | SB | GDHSB01602 | mg/kg | Thallium | 0.23 | UJ | No |
| GDH | SB | GDHSB05302 | mg/kg | Thallium | 0.17 | U | No |
| GDH | SB | GDHSB09202 | mg/kg | Thallium | 0.1 | UJ | No |
| GDH | SB | GDHSB08202 | mg/kg | Vanadium | 103 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Vanadium | 87.1 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Vanadium | 85 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Vanadium | 81.4 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Vanadium | 73.7 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Vanadium | 70.3 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Vanadium | 65.1 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Vanadium | 62.3 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Vanadium | 58.1 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Vanadium | 58 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Vanadium | 56.5 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Vanadium | 56.3 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Vanadium | 53.5 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Vanadium | 42.5 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Vanadium | 40 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Vanadium | 34.8 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB03302 | mg/kg | Vanadium | 33.9 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Vanadium | 33.1 | = | Yes |
| GDH | SB | GDHSB08502 | mg/kg | Vanadium | 32 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Vanadium | 31.3 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Vanadium | 30.8 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Vanadium | 30.8 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Vanadium | 30.2 | = | Yes |
| GDH | SB | GDHSB08702 | mg/kg | Vanadium | 29 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Vanadium | 27.9 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Vanadium | 27.6 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Vanadium | 27.6 | = | Yes |
| GDH | SB | GDHSB00402 | mg/kg | Vanadium | 27.3 | = | Yes |
| GDH | SB | GDHSB08802 | mg/kg | Vanadium | 27.3 | = | Yes |
| GDH | SB | GDHSB08602 | mg/kg | Vanadium | 26.1 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Vanadium | 24.5 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Vanadium | 24.4 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Vanadium | 24.1 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Vanadium | 24 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Vanadium | 23.9 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Vanadium | 21.2 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Vanadium | 19.6 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Vanadium | 19.3 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Vanadium | 18 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Vanadium | 16.7 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Vanadium | 15.6 | = | Yes |
| GDH | SB | GDHSB08402 | mg/kg | Vanadium | 15 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Vanadium | 12.6 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Vanadium | 12.5 | = | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Vanadium | 10.4 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Vanadium | 9.2 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB07902 | mg/kg | Vanadium | 8.9 | J | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Vanadium | 8.6 | = | Yes |
| GDH | SB | GDHSB02602 | mg/kg | Vanadium | 8.6 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Vanadium | 8 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Vanadium | 6.5 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Vanadium | 6.4 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Vanadium | 6.3 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Vanadium | 4.5 | J | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Vanadium | 4.5 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Vanadium | 4.3 | = | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Vanadium | 3.8 | = | Yes |
| GDH | SB | GDHSB06302 | mg/kg | Vanadium | 2.7 | = | Yes |
| GDH | SB | GDHSB00702 | mg/kg | Zinc | 233 | = | Yes |
| GDH | SB | GDHSB08202 | mg/kg | Zinc | 131 | = | Yes |
| GDH | SB | GDHSB03702 | mg/kg | Zinc | 123 | = | Yes |
| GDH | SB | GDHSB04302 | mg/kg | Zinc | 110 | = | Yes |
| GDH | SB | GDHSB03902 | mg/kg | Zinc | 108 | = | Yes |
| GDH | SB | GDHSB04602 | mg/kg | Zinc | 99.9 | = | Yes |
| GDH | SB | GDHSB04502 | mg/kg | Zinc | 96.7 | = | Yes |
| GDH | SB | GDHSB01102 | mg/kg | Zinc | 93.7 | = | Yes |
| GDH | SB | GDHSB00102 | mg/kg | Zinc | 90.2 | = | Yes |
| GDH | SB | GDHSB03402 | mg/kg | Zinc | 88.9 | = | Yes |
| GDH | SB | GDHSB00802 | mg/kg | Zinc | 73.8 | = | Yes |
| GDH | SB | GDHSB01502 | mg/kg | Zinc | 72.4 | = | Yes |
| GDH | SB | GDHSB07302 | mg/kg | Zinc | 71.5 | = | Yes |
| GDH | SB | GDHSB01702 | mg/kg | Zinc | 70.7 | = | Yes |
| GDH | SB | GDHSB04002 | mg/kg | Zinc | 70.1 | = | Yes |
| GDH | SB | GDHSB00302 | mg/kg | Zinc | 65.6 | = | Yes |
| GDH | SB | GDHSB03202 | mg/kg | Zinc | 64.8 | = | Yes |
| GDH | SB | GDHSB01402 | mg/kg | Zinc | 60.1 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB00402 | mg/kg | Zinc | 53.3 | = | Yes |
| GDH | SB | GDHSB03302 | mg/kg | Zinc | 52.8 | = | Yes |
| GDH | SB | GDHSB04702 | mg/kg | Zinc | 52.3 | = | Yes |
| GDH | SB | GDHSB05802 | mg/kg | Zinc | 51.3 | = | Yes |
| GDH | SB | GDHSB08002 | mg/kg | Zinc | 51.1 | = | Yes |
| GDH | SB | GDHSB03802 | mg/kg | Zinc | 50 | = | Yes |
| GDH | SB | GDHSB05102 | mg/kg | Zinc | 49.6 | = | Yes |
| GDH | SB | GDHSB02702 | mg/kg | Zinc | 49.2 | = | Yes |
| GDH | SB | GDHSB07102 | mg/kg | Zinc | 45.1 | = | Yes |
| GDH | SB | GDHSB01602 | mg/kg | Zinc | 44.1 | = | Yes |
| GDH | SB | GDHSB07202 | mg/kg | Zinc | 43.5 | = | Yes |
| GDH | SB | GDHSB02002 | mg/kg | Zinc | 42.1 | = | Yes |
| GDH | SB | GDHSB05202 | mg/kg | Zinc | 41.3 | = | Yes |
| GDH | SB | GDHSB00202 | mg/kg | Zinc | 38.8 | = | Yes |
| GDH | SB | GDHSB01002 | mg/kg | Zinc | 37.4 | = | Yes |
| GDH | SB | GDHSB09202 | mg/kg | Zinc | 34.9 | = | Yes |
| GDH | SB | GDHSB01302 | mg/kg | Zinc | 22.1 | = | Yes |
| GDH | SB | GDHSB02302 | mg/kg | Zinc | 19.4 | = | Yes |
| GDH | SB | GDHSB05402 | mg/kg | Zinc | 16.5 | = | Yes |
| GDH | SB | GDHSB07902 | mg/kg | Zinc | 16.4 | = | Yes |
| GDH | SB | GDHSB04202 | mg/kg | Zinc | 14.2 | = | Yes |
| GDH | SB | GDHSB03102 | mg/kg | Zinc | 13.8 | J | Yes |
| GDH | SB | GDHSB10402 | mg/kg | Zinc | 13 | = | Yes |
| GDH | SB | GDHSB06402 | mg/kg | Zinc | 12.2 | = | Yes |
| GDH | SB | GDHSB00602 | mg/kg | Zinc | 11.7 | = | Yes |
| GDH | SB | GDHSB06702 | mg/kg | Zinc | 10.8 | = | Yes |
| GDH | SB | GDHSB05602 | mg/kg | Zinc | 10.3 | = | Yes |
| GDH | SB | GDHSB05302 | mg/kg | Zinc | 9.5 | = | Yes |
| GDH | SB | GDHSB07802 | mg/kg | Zinc | 7.6 | = | Yes |
| GDH | SB | GDHSB10702 | mg/kg | Zinc | 6.3 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDH | SB | GDHSB06302 | mg/kg | Zinc | 5.7 | = | Yes |
| GDH | SB | GDHSB01902 | mg/kg | Zinc | 2.2 | = | Yes |
| GDH | SB | GDHSB00902 | mg/kg | Zinc | 1.8 | = | Yes |
| GDH | SB | GDHSB01202 | mg/kg | Zinc | 58 | U | No |
| GDH | SB | GDHSB08702 | mg/kg | Zinc | 43.2 | U | No |
| GDH | SB | GDHSB08502 | mg/kg | Zinc | 40.5 | U | No |
| GDH | SB | GDHSB08602 | mg/kg | Zinc | 37.9 | U | No |
| GDH | SB | GDHSB08802 | mg/kg | Zinc | 34.6 | U | No |
| GDH | SB | GDHSB08402 | mg/kg | Zinc | 34.4 | U | No |
| GDH | SB | GDHSB02602 | mg/kg | Zinc | 7.2 | U | No |
| GDI | SB | GDISB01802b | mg/kg | Aluminum | 11700 | = | Yes |
| GDI | SB | GDISB01702 | mg/kg | Aluminum | 6880 | = | Yes |
| GDI | SB | GDISB01302 | mg/kg | Aluminum | 6540 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Aluminum | 4590 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Antimony | 5.3 | UJ | No |
| GDI | SB | GDISB01302 | mg/kg | Antimony | 4.8 | UJ | No |
| GDI | SB | GDISB01802b | mg/kg | Antimony | 0.54 | UJ | No |
| GDI | SB | GDISB01702 | mg/kg | Antimony | 0.28 | UJ | No |
| GDI | SB | GDISB01202 | mg/kg | Arsenic | 4.4 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Arsenic | 4.1 | = | Yes |
| GDI | SB | GDISB01702 | mg/kg | Arsenic | 3.5 | = | Yes |
| GDI | SB | GDISB01302 | mg/kg | Arsenic | 0.88 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Barium | 19.4 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Barium | 13.8 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Barium | 10.5 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Barium | 9.5 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Beryllium | 0.51 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Beryllium | 0.4 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Beryllium | 0.33 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Beryllium | 0.07 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SB | GDISB01802b | mg/kg | Cadmium | 0.48 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Cadmium | 0.57 | UJ | No |
| GDI | SB | GDISB01302 | mg/kg | Cadmium | 0.51 | UJ | No |
| GDI | SB | GDISB01702 | mg/kg | Cadmium | 0.07 | U | No |
| GDI | SB | GDISB01202 | mg/kg | Calcium | 63900 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Calcium | 56800 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Calcium | 4790 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Calcium | 528 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Chromium, Total | 41.2 | = | Yes |
| GDI | SB | GDISB01202 | mg/kg | Chromium, Total | 31.1 | = | Yes |
| GDI | SB | GDISB01702 | mg/kg | Chromium, Total | 14.9 | = | Yes |
| GDI | SB | GDISB01302 | mg/kg | Chromium, Total | 7.6 | = | Yes |
| GDI | SB | GDISB01802b | mg/kg | Cobalt | 2.2 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Cobalt | 2.1 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Cobalt | 1.6 | U | No |
| GDI | SB | GDISB01302 | mg/kg | Cobalt | 1.5 | U | No |
| GDI | SB | GDISB01802b | mg/kg | Copper | 12.4 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Copper | 8.6 | = | Yes |
| GDI | SB | GDISB01702 | mg/kg | Copper | 2.1 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Copper | 1.2 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Iron | 7250 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Iron | 6900 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Iron | 4680 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Iron | 3730 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Lead | 7.2 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Lead | 4.6 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Lead | 4.4 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Lead | 3.1 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Magnesium | 3990 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Magnesium | 3440 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SB | GDISB01702 | mg/kg | Magnesium | 1030 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Magnesium | 196 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Manganese | 54.5 | = | Yes |
| GDI | SB | GDISB01702 | mg/kg | Manganese | 53.7 | = | Yes |
| GDI | SB | GDISB01202 | mg/kg | Manganese | 44.4 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Manganese | 8.6 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Mercury | 0.15 | U | No |
| GDI | SB | GDISB01202 | mg/kg | Mercury | 0.13 | U | No |
| GDI | SB | GDISB01802b | mg/kg | Mercury | 0.13 | U | No |
| GDI | SB | GDISB01302 | mg/kg | Mercury | 0.12 | U | No |
| GDI | SB | GDISB01802b | mg/kg | Nickel | 16.1 | = | Yes |
| GDI | SB | GDISB01202 | mg/kg | Nickel | 11.7 | = | Yes |
| GDI | SB | GDISB01702 | mg/kg | Nickel | 3.5 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Nickel | 2.1 | U | No |
| GDI | SB | GDISB01802b | mg/kg | Potassium | 2230 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Potassium | 1310 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Potassium | 930 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Potassium | 200 | U | No |
| GDI | SB | GDISB01202 | mg/kg | Selenium | 1.4 | J | Yes |
| GDI | SB | GDISB01802b | mg/kg | Selenium | 1.2 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Selenium | 0.99 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Selenium | 0.59 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Silver | 0.58 | UJ | No |
| GDI | SB | GDISB01302 | mg/kg | Silver | 0.53 | UJ | No |
| GDI | SB | GDISB01702 | mg/kg | Silver | 0.09 | UJ | No |
| GDI | SB | GDISB01802b | mg/kg | Silver | 0.08 | UJ | No |
| GDI | SB | GDISB01802b | mg/kg | Sodium | 1770 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Sodium | 1130 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Sodium | 226 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Sodium | 167 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDI | SB | GDISB01702 | mg/kg | Thallium | 0.82 | U | No |
| GDI | SB | GDISB01202 | mg/kg | Thallium | 0.71 | UJ | No |
| GDI | SB | GDISB01802b | mg/kg | Thallium | 0.7 | U | No |
| GDI | SB | GDISB01302 | mg/kg | Thallium | 0.64 | UJ | No |
| GDI | SB | GDISB01702 | mg/kg | Tin | 1.2 | U | No |
| GDI | SB | GDISB01802b | mg/kg | Tin | 1 | U | No |
| GDI | SB | GDISB01202 | mg/kg | Tin | 1 | U | No |
| GDI | SB | GDISB01302 | mg/kg | Tin | 0.92 | U | No |
| GDI | SB | GDISB01802b | mg/kg | Vanadium | 23.7 | = | Yes |
| GDI | SB | GDISB01202 | mg/kg | Vanadium | 17.9 | = | Yes |
| GDI | SB | GDISB01702 | mg/kg | Vanadium | 14.6 | = | Yes |
| GDI | SB | GDISB01302 | mg/kg | Vanadium | 10.5 | = | Yes |
| GDI | SB | GDISB01802b | mg/kg | Zinc | 29.4 | J | Yes |
| GDI | SB | GDISB01202 | mg/kg | Zinc | 21.4 | J | Yes |
| GDI | SB | GDISB01702 | mg/kg | Zinc | 12.4 | J | Yes |
| GDI | SB | GDISB01302 | mg/kg | Zinc | 4.7 | J | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Aluminum | 12000 | = | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Aluminum | 6460 | = | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Aluminum | 5780 | = | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Aluminum | 4840 | = | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Aluminum | 4470 | = | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Aluminum | 3610 | = | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Aluminum | 3140 | = | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Aluminum | 3110 | = | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Aluminum | 3090 | = | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Antimony | 0.43 | UJ | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Antimony | 0.41 | UJ | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Antimony | 0.4 | UJ | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Antimony | 0.4 | UJ | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Antimony | 0.37 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SB | GDKSB00902 | mg/kg | Antimony | 0.34 | UJ | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Antimony | 0.3 | UJ | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Antimony | 0.3 | UJ | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Antimony | 0.29 | UJ | No |
| GDK-A | SB | GDKSB01402 | mg/kg | Arsenic | 5.79 | = | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Arsenic | 3.1 | = | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Arsenic | 1.8 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Arsenic | 0.88 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Arsenic | 0.83 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Arsenic | 0.63 | J | Yes |
| GDK-A | SB | GDKSB01602 | mg/kg | Arsenic | 0.571 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Arsenic | 0.52 | J | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Arsenic | 0.44 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Arsenic | 0.34 | J | Yes |
| GDK-A | SB | GDKSB01502 | mg/kg | Arsenic | 0.275 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Arsenic | 0.32 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Barium | 7.2 | J | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Barium | 5.6 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Barium | 3.4 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Barium | 2.8 | J | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Barium | 2.8 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Barium | 2.2 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Barium | 2.1 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Barium | 1.9 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Barium | 1.8 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Beryllium | 0.2 | J | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Beryllium | 0.11 | J | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Beryllium | 0.07 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Beryllium | 0.05 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Beryllium | 0.04 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SB | GDKSB00102 | mg/kg | Beryllium | 0.03 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Beryllium | 0.04 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Beryllium | 0.04 | U | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Beryllium | 0.04 | U | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Cadmium | 0.19 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Cadmium | 0.19 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Cadmium | 0.19 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Cadmium | 0.19 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Cadmium | 0.05 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Cadmium | 0.05 | U | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Cadmium | 0.04 | U | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Cadmium | 0.04 | U | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Cadmium | 0.04 | U | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Calcium | 56.7 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Calcium | 50.1 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Calcium | 31.7 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Calcium | 28 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Calcium | 22.1 | U | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Calcium | 22 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Calcium | 21.6 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Calcium | 20.8 | UJ | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Calcium | 19.7 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Chromium, Total | 8.5 | = | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Chromium, Total | 5.3 | = | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Chromium, Total | 4.9 | = | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Chromium, Total | 4.2 | = | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Chromium, Total | 3.9 | = | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Chromium, Total | 3.3 | = | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Chromium, Total | 3 | = | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Chromium, Total | 2.7 | J | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SB | GDKSB00802 | mg/kg | Chromium, Total | 2.4 | = | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Cobalt | 1 | J | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Cobalt | 0.51 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Cobalt | 0.42 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Cobalt | 0.4 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Cobalt | 0.26 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Cobalt | 0.26 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Cobalt | 0.14 | UJ | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Cobalt | 0.13 | UJ | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Cobalt | 0.12 | UJ | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Copper | 0.51 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Copper | 0.25 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Copper | 0.23 | J | Yes |
| GDK-A | SB | GDKSB01602 | mg/kg | Copper | 1.37 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Copper | 0.21 | UJ | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Copper | 0.19 | UJ | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Copper | 0.18 | UJ | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Copper | 0.18 | UJ | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Copper | 0.18 | UJ | No |
| GDK-A | SB | GDKSB01502 | mg/kg | Copper | 0.171 | U | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Copper | 0.17 | UJ | No |
| GDK-A | SB | GDKSB01402 | mg/kg | Copper | 0.154 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Iron | 10900 | = | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Iron | 4960 | = | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Iron | 1350 | = | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Iron | 1250 | = | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Iron | 1210 | = | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Iron | 983 | = | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Iron | 881 | = | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Iron | 857 | = | Yes |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SB | GDKSB00902 | mg/kg | Iron | 560 | = | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Lead | 4.4 | = | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Lead | 4.2 | = | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Lead | 3.5 | = | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Lead | 2.9 | = | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Lead | 2.9 | = | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Lead | 2.9 | = | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Lead | 2.7 | = | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Lead | 2.5 | = | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Lead | 2.1 | = | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Magnesium | 225 | J | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Magnesium | 171 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Magnesium | 86 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Magnesium | 55.7 | J | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Magnesium | 50.5 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Magnesium | 43 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Magnesium | 35.9 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Magnesium | 30.2 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Magnesium | 28.1 | J | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Manganese | 6.8 | = | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Manganese | 5 | = | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Manganese | 2.4 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Manganese | 2.3 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Manganese | 2.3 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Manganese | 2.1 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Manganese | 1.5 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Manganese | 1.5 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Manganese | 1.4 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Mercury | 0.05 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SB | GDKSB00402 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Mercury | 0.05 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Mercury | 0.04 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Mercury | 0.04 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Nickel | 4.7 | J | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Nickel | 2.1 | J | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Nickel | 1.2 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Nickel | 0.75 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Nickel | 0.72 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Nickel | 0.66 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Nickel | 0.23 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Nickel | 0.23 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Nickel | 0.24 | UJ | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Potassium | 90.7 | J | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Potassium | 63.8 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Potassium | 66.7 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Potassium | 66.6 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Potassium | 66.6 | U | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Potassium | 65 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Potassium | 32.6 | UJ | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Potassium | 16.9 | UJ | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Potassium | 14.7 | UJ | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Selenium | 0.51 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Selenium | 0.53 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Selenium | 0.52 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Selenium | 0.46 | U | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Selenium | 0.42 | U | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SB | GDKSB00302 | mg/kg | Selenium | 0.42 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Selenium | 0.41 | U | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Selenium | 0.4 | U | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Selenium | 0.39 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Silver | 0.57 | J | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Silver | 0.41 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Silver | 0.26 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Silver | 0.26 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Silver | 0.26 | U | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Silver | 0.25 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Silver | 0.22 | UJ | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Silver | 0.2 | UJ | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Silver | 0.19 | UJ | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Sodium | 10.4 | J | Yes |
| GDK-A | SB | GDKSB00402 | mg/kg | Sodium | 9.9 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Sodium | 9.1 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Sodium | 8 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Sodium | 7.9 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Sodium | 7.6 | U | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Sodium | 7.2 | U | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Sodium | 6.4 | U | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Sodium | 6.1 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Thallium | 1.2 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Thallium | 1.2 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Thallium | 1.2 | U | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Thallium | 1.1 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Thallium | 0.68 | UJ | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Thallium | 0.64 | UJ | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Thallium | 0.62 | UJ | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Thallium | 0.62 | UJ | No |

**APPENDIX B1**
Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-A | SB | GDKSB00102 | mg/kg | Thallium | 0.58 | UJ | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Tin | 11.9 | UJ | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Tin | 11.2 | UJ | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Tin | 10.9 | UJ | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Tin | 10.9 | UJ | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Tin | 10.2 | UJ | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Tin | 8.6 | UJ | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Tin | 8.6 | UJ | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Tin | 8.6 | UJ | No |
| GDK-A | SB | GDKSB00802 | mg/kg | Tin | 8.4 | UJ | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Vanadium | 15.7 | = | Yes |
| GDK-A | SB | GDKSB00502 | mg/kg | Vanadium | 8.4 | J | Yes |
| GDK-A | SB | GDKSB00302 | mg/kg | Vanadium | 7.9 | J | Yes |
| GDK-A | SB | GDKSB00202 | mg/kg | Vanadium | 4.1 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Vanadium | 3.8 | J | Yes |
| GDK-A | SB | GDKSB00702 | mg/kg | Vanadium | 3.7 | J | Yes |
| GDK-A | SB | GDKSB00102 | mg/kg | Vanadium | 3.6 | J | Yes |
| GDK-A | SB | GDKSB00602 | mg/kg | Vanadium | 3.5 | J | Yes |
| GDK-A | SB | GDKSB00902 | mg/kg | Vanadium | 2.7 | J | Yes |
| GDK-A | SB | GDKSB00802 | mg/kg | Zinc | 5.4 | U | No |
| GDK-A | SB | GDKSB00502 | mg/kg | Zinc | 3.9 | U | No |
| GDK-A | SB | GDKSB00402 | mg/kg | Zinc | 3.2 | U | No |
| GDK-A | SB | GDKSB00702 | mg/kg | Zinc | 3.2 | U | No |
| GDK-A | SB | GDKSB00202 | mg/kg | Zinc | 3.2 | U | No |
| GDK-A | SB | GDKSB00602 | mg/kg | Zinc | 2.4 | U | No |
| GDK-A | SB | GDKSB00902 | mg/kg | Zinc | 2 | U | No |
| GDK-A | SB | GDKSB00302 | mg/kg | Zinc | 1.5 | U | No |
| GDK-A | SB | GDKSB00102 | mg/kg | Zinc | 0.58 | U | No |
| GDK-C | SB | GDKSBCL102 | mg/kg | Aluminum | 14200 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Antimony | 0.4 | UJ | No |

**APPENDIX B1**

Background Soil (Surface and Subsurface) Parameter Analytical Results per Sample

*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Zone | Media Type | Sample ID | Units | Parameter Name | Result | Qualifier | Detected |
|---|---|---|---|---|---|---|---|
| GDK-C | SB | GDKSBCL102 | mg/kg | Arsenic | 13.7 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Barium | 24.1 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Beryllium | 0.62 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Cadmium | 0.26 | U | No |
| GDK-C | SB | GDKSBCL102 | mg/kg | Calcium | 18200 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Chromium, Hexavalent | 0.3 | UJ | No |
| GDK-C | SB | GDKSBCL102 | mg/kg | Chromium, Total | 25.7 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Cobalt | 3.1 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Copper | 22.2 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Iron | 17200 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Lead | 18.2 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Magnesium | 2960 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Manganese | 355 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Mercury | 0.2 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Nickel | 7.2 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Potassium | 1430 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Selenium | 0.61 | U | No |
| GDK-C | SB | GDKSBCL102 | mg/kg | Silver | 0.34 | U | No |
| GDK-C | SB | GDKSBCL102 | mg/kg | Sodium | 2430 | J | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Thallium | 1.5 | U | No |
| GDK-C | SB | GDKSBCL102 | mg/kg | Tin | 13.8 | U | No |
| GDK-C | SB | GDKSBCL102 | mg/kg | Vanadium | 29 | = | Yes |
| GDK-C | SB | GDKSBCL102 | mg/kg | Zinc | 57.5 | J | Yes |

All units are in milligrams per kilogram (mg/kg).

= Analyte is detected at the concentration shown.

J Analyte is detected at an estimated concentration.

NA Not applicable/not available

U Analyte was not detected, the reporting limit is presented.

UJ Analyte was not detected, the reporting value is an estimated detection limit.

# Appendix B2

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| A | Shallow | AGDAGW001 | Aluminum | 7429905 | 4 | 2 | 2 | 4.91E+02 | 6.56E+01 | 1.02E+03 | 5.43E+02 | 2.00E+02 | Yes | Yes | Yes |
| A | Shallow | AGDAGW002 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 4.51E+02 | 5.22E+03 | 2.53E+03 | 2.00E+02 | Yes | Yes | NA |
| A | Shallow | AGDAGW003 | Aluminum | 7429905 | 4 | 3 | 1 | 2.64E+02 | 6.00E+02 | 1.85E+03 | 1.14E+03 | 2.00E+02 | Yes | Yes | Yes |
| A | Shallow | AGDAGW001 | Antimony | 7440360 | 3 | 0 | 3 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| A | Shallow | AGDAGW002 | Antimony | 7440360 | 4 | 1 | 3 | 5.10E+01 | 4.00E+00 | 4.00E+00 | 4.00E+00 | 6.00E+00 | No | No | Yes |
| A | Shallow | AGDAGW003 | Antimony | 7440360 | 3 | 0 | 3 | 5.10E+01 | NA | NA | NA | 6.00E+00 | NA | NA | Yes |
| A | Shallow | AGDAGW001 | Arsenic | 7440382 | 4 | 2 | 2 | 7.90E+00 | 2.60E+00 | 6.83E+01 | 3.55E+01 | 5.00E+01 | Yes | No | No |
| A | Shallow | AGDAGW002 | Arsenic | 7440382 | 4 | 1 | 3 | 2.00E+01 | 4.40E+00 | 4.40E+00 | 4.40E+00 | 5.00E+01 | No | No | No |
| A | Shallow | AGDAGW003 | Arsenic | 7440382 | 4 | 2 | 2 | 7.30E+00 | 4.90E+00 | 7.40E+00 | 6.15E+00 | 5.00E+01 | No | No | No |
| A | Shallow | AGDAGW001 | Barium | 7440393 | 4 | 3 | 1 | 1.97E+01 | 2.49E+01 | 7.42E+01 | 4.41E+01 | 2.00E+03 | No | No | No |
| A | Shallow | AGDAGW002 | Barium | 7440393 | 4 | 3 | 1 | 7.60E+01 | 7.11E+01 | 1.02E+02 | 9.04E+01 | 2.00E+03 | No | No | No |
| A | Shallow | AGDAGW003 | Barium | 7440393 | 4 | 3 | 1 | 2.18E+01 | 2.08E+01 | 2.50E+01 | 2.24E+01 | 2.00E+03 | No | No | No |
| A | Shallow | AGDAGW001 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| A | Shallow | AGDAGW002 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| A | Shallow | AGDAGW003 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| A | Shallow | AGDAGW001 | Cadmium | 7440439 | 4 | 1 | 3 | 5.00E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 5.00E+00 | No | No | No |
| A | Shallow | AGDAGW002 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| A | Shallow | AGDAGW003 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| A | Shallow | AGDAGW001 | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.74E+04 | 9.85E+04 | 8.52E+04 | NA | NA | No | |
| A | Shallow | AGDAGW002 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.21E+05 | 1.51E+05 | 1.43E+05 | NA | NA | No | |
| A | Shallow | AGDAGW003 | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.31E+04 | 6.06E+04 | 5.26E+04 | NA | NA | No | |
| A | Shallow | AGDAGW001 | Chromium, Total | 7440473 | 4 | 2 | 2 | 6.00E+00 | 5.00E+00 | 7.40E+00 | 6.20E+00 | 1.00E+02 | No | No | No |
| A | Shallow | AGDAGW002 | Chromium, Total | 7440473 | 4 | 2 | 2 | 6.00E+00 | 6.10E+00 | 9.60E+00 | 7.85E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| A | Shallow | AGDAGW003 | Chromium, Total | 7440473 | 4 | 0 | 4 | 6.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| A | Shallow | AGDAGW001 | Cobalt | 7440484 | 4 | 1 | 3 | 7.00E+00 | 1.03E+01 | 1.03E+01 | 1.03E+01 | 2.19E+03 | No | No | No |
| A | Shallow | AGDAGW002 | Cobalt | 7440484 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| A | Shallow | AGDAGW003 | Cobalt | 7440484 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| A | Shallow | AGDAGW001 | Copper | 7440508 | 3 | 2 | 1 | 6.00E+00 | 8.80E+00 | 1.01E+01 | 9.45E+00 | 1.30E+03 | No | No | No |
| A | Shallow | AGDAGW002 | Copper | 7440508 | 4 | 1 | 3 | 7.10E+00 | 1.01E+01 | 1.01E+01 | 1.01E+01 | 1.30E+03 | No | No | No |
| A | Shallow | AGDAGW003 | Copper | 7440508 | 3 | 1 | 2 | 7.00E+00 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 1.30E+03 | No | No | No |
| A | Shallow | AGDAGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 7.32E+03 | 7.21E+04 | 2.67E+04 | 3.00E+02 | Yes | Yes | |
| A | Shallow | AGDAGW002 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.39E+04 | 2.18E+04 | 1.68E+04 | 3.00E+02 | Yes | Yes | |
| A | Shallow | AGDAGW003 | Iron | 7439896 | 4 | 4 | 0 | NA | 8.23E+03 | 9.86E+03 | 8.84E+03 | 3.00E+02 | Yes | Yes | |
| A | Shallow | AGDAGW001 | Lead | 7439921 | 3 | 0 | 3 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| A | Shallow | AGDAGW002 | Lead | 7439921 | 4 | 2 | 2 | 2.00E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 1.50E+01 | No | No | No |
| A | Shallow | AGDAGW003 | Lead | 7439921 | 3 | 1 | 2 | 2.00E+00 | 1.80E+00 | 1.80E+00 | 1.80E+00 | 1.50E+01 | No | No | No |
| A | Shallow | AGDAGW001 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.76E+04 | 4.84E+04 | 2.76E+04 | NA | NA | No | |
| A | Shallow | AGDAGW002 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.29E+04 | 4.16E+04 | 3.75E+04 | NA | NA | No | |
| A | Shallow | AGDAGW003 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.56E+04 | 9.19E+04 | 5.48E+04 | NA | NA | No | |
| A | Shallow | AGDAGW001 | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.05E+02 | 5.77E+02 | 3.90E+02 | 5.00E+01 | Yes | Yes | |
| A | Shallow | AGDAGW002 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.34E+02 | 1.66E+02 | 1.53E+02 | 5.00E+01 | Yes | Yes | |
| A | Shallow | AGDAGW003 | Manganese | 7439965 | 4 | 4 | 0 | NA | 7.98E+01 | 9.60E+01 | 9.11E+01 | 5.00E+01 | Yes | Yes | |
| A | Shallow | AGDAGW001 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| A | Shallow | AGDAGW002 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| A | Shallow | AGDAGW003 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| A | Shallow | AGDAGW001 | Nickel | 7440020 | 4 | 1 | 3 | 1.40E+01 | 9.40E+00 | 9.40E+00 | 9.40E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| A | Shallow | AGDAGW002 | Nickel | 7440020 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | 1.00E+02 | | | No |
| A | Shallow | AGDAGW003 | Nickel | 7440020 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | 1.00E+02 | | | No |
| A | Shallow | AGDAGW001 | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.13E+03 | 2.36E+04 | 9.31E+03 | NA | NA | No | |
| A | Shallow | AGDAGW002 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.84E+04 | 2.68E+04 | 2.20E+04 | NA | NA | No | |
| A | Shallow | AGDAGW003 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.45E+04 | 3.68E+04 | 2.58E+04 | NA | No | No | |
| A | Shallow | AGDAGW001 | Selenium | 7782492 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| A | Shallow | AGDAGW002 | Selenium | 7782492 | 3 | 0 | 3 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| A | Shallow | AGDAGW003 | Selenium | 7782492 | 3 | 0 | 3 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| A | Shallow | AGDAGW001 | Silver | 7440224 | 4 | 1 | 3 | 7.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | No | No | No |
| A | Shallow | AGDAGW002 | Silver | 7440224 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| A | Shallow | AGDAGW003 | Silver | 7440224 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| A | Shallow | AGDAGW001 | Thallium | 7440280 | 3 | 0 | 3 | 4.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| A | Shallow | AGDAGW002 | Thallium | 7440280 | 3 | 0 | 3 | 3.10E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| A | Shallow | AGDAGW003 | Thallium | 7440280 | 2 | 0 | 2 | 3.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| A | Shallow | AGDAGW001 | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| A | Shallow | AGDAGW002 | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| A | Shallow | AGDAGW003 | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| A | Shallow | AGDAGW001 | Vanadium | 7440622 | 4 | 1 | 3 | 7.00E+00 | 1.36E+01 | 1.36E+01 | 1.36E+01 | 2.56E+02 | No | No | No |
| A | Shallow | AGDAGW002 | Vanadium | 7440622 | 4 | 2 | 2 | 7.00E+00 | 4.10E+00 | 8.10E+00 | 6.10E+00 | 2.56E+02 | No | No | No |
| A | Shallow | AGDAGW003 | Vanadium | 7440622 | 4 | 2 | 2 | 6.00E+00 | 1.30E+00 | 7.70E+00 | 4.50E+00 | 2.56E+02 | No | No | No |
| A | Shallow | AGDAGW001 | Zinc | 7440666 | 3 | 1 | 2 | 1.61E+01 | 8.90E+01 | 8.90E+01 | 8.90E+01 | 5.00E+03 | No | No | No |
| A | Shallow | AGDAGW002 | Zinc | 7440666 | 4 | 1 | 3 | 1.54E+01 | 2.83E+01 | 2.83E+01 | 2.83E+01 | 5.00E+03 | No | No | No |
| A | Shallow | AGDAGW003 | Zinc | 7440666 | 3 | 1 | 2 | 1.67E+01 | 7.50E+00 | 7.50E+00 | 7.50E+00 | 5.00E+03 | No | No | No |
| A | Deep | AGDAGW01D | Aluminum | 7429905 | 4 | 2 | 2 | 5.49E+01 | 1.14E+02 | 3.16E+02 | 2.15E+02 | 2.00E+02 | Yes | Yes | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| A | Deep | AGDAGW02D | Aluminum | 7429905 | 4 | 3 | 1 | 5.10E+01 | 4.93E+01 | 1.58E+03 | 5.68E+02 | 2.00E+02 | Yes | Yes | No |
| A | Deep | AGDAGW03D | Aluminum | 7429905 | 4 | 1 | 3 | 4.80E+01 | 1.18E+03 | 1.18E+03 | 1.18E+03 | 2.00E+02 | Yes | Yes | No |
| A | Deep | AGDAGW01D | Antimony | 7440360 | 3 | 0 | 3 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| A | Deep | AGDAGW02D | Antimony | 7440360 | 4 | 0 | 4 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| A | Deep | AGDAGW03D | Antimony | 7440360 | 3 | 1 | 2 | 2.55E+02 | 7.10E+00 | 7.10E+00 | 7.10E+00 | 6.00E+00 | Yes | Yes | Yes |
| A | Deep | AGDAGW01D | Arsenic | 7440382 | 4 | 3 | 1 | 1.05E+01 | 4.00E+00 | 1.11E+01 | 7.70E+00 | 5.00E+01 | No | No | No |
| A | Deep | AGDAGW02D | Arsenic | 7440382 | 4 | 0 | 4 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | No |
| A | Deep | AGDAGW03D | Arsenic | 7440382 | 3 | 0 | 3 | 2.00E+01 | NA | NA | NA | 5.00E+01 | | | No |
| A | Deep | AGDAGW01D | Barium | 7440393 | 4 | 3 | 1 | 5.51E+01 | 3.59E+01 | 6.56E+01 | 4.68E+01 | 2.00E+03 | No | No | No |
| A | Deep | AGDAGW02D | Barium | 7440393 | 4 | 3 | 1 | 1.67E+02 | 1.53E+02 | 1.82E+02 | 1.65E+02 | 2.00E+03 | No | No | No |
| A | Deep | AGDAGW03D | Barium | 7440393 | 4 | 3 | 1 | 6.48E+01 | 5.99E+01 | 7.33E+01 | 6.82E+01 | 2.00E+03 | No | No | No |
| A | Deep | AGDAGW01D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| A | Deep | AGDAGW02D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.30E+00 | 3.30E+00 | 3.30E+00 | 4.00E+00 | No | No | No |
| A | Deep | AGDAGW03D | Beryllium | 7440417 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 4.00E+00 | | | Yes |
| A | Deep | AGDAGW01D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| A | Deep | AGDAGW02D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| A | Deep | AGDAGW03D | Cadmium | 7440439 | 4 | 0 | 4 | 1.11E+01 | NA | NA | NA | 5.00E+00 | | | Yes |
| A | Deep | AGDAGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.51E+04 | 7.83E+04 | 6.13E+04 | NA | No | No | |
| A | Deep | AGDAGW02D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.71E+05 | 1.92E+05 | 1.79E+05 | NA | No | No | |
| A | Deep | AGDAGW03D | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.10E+05 | 5.24E+05 | 4.47E+05 | NA | No | No | |
| A | Deep | AGDAGW01D | Chromium, Total | 7440473 | 4 | 1 | 3 | 6.00E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| A | Deep | AGDAGW02D | Chromium, Total | 7440473 | 4 | 1 | 3 | 6.00E+00 | 5.54E+01 | 5.54E+01 | 5.54E+01 | 1.00E+02 | No | No | No |
| A | Deep | AGDAGW03D | Chromium, | 7440473 | 4 | 1 | 3 | 6.00E+00 | 1.36E+02 | 1.36E+02 | 1.36E+02 | 1.00E+02 | Yes | Yes | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| | | | Total | | | | | | | | | | | | |
| A | Deep | AGDAGW01D | Cobalt | 7440484 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| A | Deep | AGDAGW02D | Cobalt | 7440484 | 4 | 4 | 0 | NA | 1.03E+01 | 2.87E+01 | 1.93E+01 | 2.19E+03 | No | No | |
| A | Deep | AGDAGW03D | Cobalt | 7440484 | 4 | 0 | 4 | 3.33E+01 | NA | NA | NA | 2.19E+03 | | | No |
| A | Deep | AGDAGW01D | Copper | 7440508 | 3 | 2 | 1 | 6.00E+00 | 5.70E+00 | 7.60E+00 | 6.65E+00 | 1.30E+03 | No | No | No |
| A | Deep | AGDAGW02D | Copper | 7440508 | 4 | 2 | 2 | 7.00E+00 | 7.80E+00 | 2.14E+01 | 1.46E+01 | 1.30E+03 | No | No | No |
| A | Deep | AGDAGW03D | Copper | 7440508 | 4 | 2 | 2 | 6.00E+00 | 7.00E+00 | 4.45E+02 | 2.26E+02 | 1.30E+03 | No | No | No |
| A | Deep | AGDAGW01D | Iron | 7439896 | 4 | 4 | 0 | NA | 5.12E+03 | 1.25E+04 | 8.11E+03 | 3.00E+02 | Yes | Yes | |
| A | Deep | AGDAGW02D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.72E+04 | 2.27E+04 | 2.09E+04 | 3.00E+02 | Yes | Yes | |
| A | Deep | AGDAGW03D | Iron | 7439896 | 4 | 1 | 3 | 5.83E+02 | 1.87E+02 | 1.87E+02 | 1.87E+02 | 3.00E+02 | No | No | Yes |
| A | Deep | AGDAGW01D | Lead | 7439921 | 3 | 0 | 3 | 1.50E+01 | NA | NA | NA | 1.50E+01 | | | No |
| A | Deep | AGDAGW02D | Lead | 7439921 | 3 | 0 | 3 | 1.44E+01 | NA | NA | NA | 1.50E+01 | | | No |
| A | Deep | AGDAGW03D | Lead | 7439921 | 2 | 1 | 1 | 1.00E+01 | 1.85E+01 | 1.85E+01 | 1.85E+01 | 1.50E+01 | Yes | Yes | No |
| A | Deep | AGDAGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 9.32E+04 | 1.41E+05 | 1.10E+05 | NA | No | No | |
| A | Deep | AGDAGW02D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 4.23E+05 | 4.79E+05 | 4.42E+05 | NA | No | No | |
| A | Deep | AGDAGW03D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.41E+06 | 1.61E+06 | 1.54E+06 | NA | No | No | |
| A | Deep | AGDAGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.83E+02 | 3.44E+02 | 2.58E+02 | 5.00E+01 | Yes | Yes | |
| A | Deep | AGDAGW02D | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.31E+03 | 2.66E+03 | 2.45E+03 | 5.00E+01 | Yes | Yes | |
| A | Deep | AGDAGW03D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.22E+03 | 1.70E+03 | 1.43E+03 | 5.00E+01 | Yes | Yes | |
| A | Deep | AGDAGW01D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| A | Deep | AGDAGW02D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| A | Deep | AGDAGW03D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| A | Deep | AGDAGW01D | Nickel | 7440020 | 4 | 0 | 4 | 1.62E+01 | NA | NA | NA | 1.00E+02 | | | No |
| A | Deep | AGDAGW02D | Nickel | 7440020 | 4 | 1 | 3 | 1.30E+01 | 2.01E+01 | 2.01E+01 | 2.01E+01 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| A | Deep | AGDAGW03D | Nickel | 7440020 | 4 | 1 | 3 | 1.40E+01 | 7.44E+01 | 7.44E+01 | 7.44E+01 | 1.00E+02 | No | No | No |
| A | Deep | AGDAGW01D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.35E+04 | 6.31E+04 | 3.74E+04 | NA | No | No | |
| A | Deep | AGDAGW02D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.18E+05 | 2.61E+05 | 1.59E+05 | NA | No | No | |
| A | Deep | AGDAGW03D | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.60E+05 | 6.06E+05 | 4.26E+05 | NA | No | No | |
| A | Deep | AGDAGW01D | Selenium | 7782492 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| A | Deep | AGDAGW02D | Selenium | 7782492 | 3 | 0 | 3 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | No |
| A | Deep | AGDAGW03D | Selenium | 7782492 | 3 | 0 | 3 | 1.06E+02 | NA | NA | NA | 5.00E+01 | | | Yes |
| A | Deep | AGDAGW01D | Silver | 7440224 | 4 | 1 | 3 | 7.00E+00 | 6.00E+00 | 6.00E+00 | 6.00E+00 | 1.00E+02 | No | No | No |
| A | Deep | AGDAGW02D | Silver | 7440224 | 4 | 2 | 2 | 7.00E+00 | 9.60E+00 | 3.09E+01 | 2.03E+01 | 1.00E+02 | No | No | No |
| A | Deep | AGDAGW03D | Silver | 7440224 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | 1.00E+02 | | | No |
| A | Deep | AGDAGW01D | Thallium | 7440280 | 3 | 0 | 3 | 4.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| A | Deep | AGDAGW02D | Thallium | 7440280 | 3 | 0 | 3 | 3.11E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| A | Deep | AGDAGW03D | Thallium | 7440280 | 3 | 3 | 0 | NA | 1.70E+01 | 1.63E+02 | 6.77E+01 | 2.00E+00 | Yes | Yes | |
| A | Deep | AGDAGW01D | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| A | Deep | AGDAGW02D | Tin (Sn) | 7440315 | 3 | 1 | 2 | 3.30E+01 | 8.15E+01 | 8.15E+01 | 8.15E+01 | NA | No | No | No |
| A | Deep | AGDAGW03D | Tin (Sn) | 7440315 | 3 | 1 | 2 | 3.30E+01 | 1.11E+02 | 1.11E+02 | 1.11E+02 | NA | No | No | No |
| A | Deep | AGDAGW01D | Vanadium | 7440622 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| A | Deep | AGDAGW02D | Vanadium | 7440622 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| A | Deep | AGDAGW03D | Vanadium | 7440622 | 4 | 1 | 3 | 2.22E+01 | 9.90E+00 | 9.90E+00 | 9.90E+00 | 2.56E+02 | No | No | No |
| A | Deep | AGDAGW01D | Zinc | 7440666 | 3 | 1 | 2 | 1.25E+01 | 8.68E+01 | 8.68E+01 | 8.68E+01 | 5.00E+03 | No | No | No |
| A | Deep | AGDAGW02D | Zinc | 7440666 | 4 | 1 | 3 | 1.64E+01 | 6.00E+00 | 6.00E+00 | 6.00E+00 | 5.00E+03 | No | No | No |
| A | Deep | AGDAGW03D | Zinc | 7440666 | 4 | 2 | 2 | 7.80E+00 | 6.90E+00 | 1.44E+03 | 7.23E+02 | 5.00E+03 | No | No | No |
| B | Shallow | BGDBGW001 | Aluminum | 7429905 | 4 | 3 | 1 | 1.00E+02 | 1.09E+02 | 2.11E+03 | 7.82E+02 | 2.00E+02 | Yes | Yes | No |
| B | Shallow | BGDBGW002 | Aluminum | 7429905 | 4 | 2 | 2 | 1.08E+02 | 8.74E+01 | 2.67E+02 | 1.77E+02 | 2.00E+02 | Yes | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| B | Shallow | BGDBGW003 | Aluminum | 7429905 | 4 | 2 | 2 | 5.53E+01 | 9.26E+01 | 2.56E+02 | 1.74E+02 | 2.00E+02 | Yes | No | No |
| B | Shallow | BGDBGW004 | Aluminum | 7429905 | 4 | 3 | 1 | 2.49E+02 | 1.85E+02 | 2.84E+03 | 1.17E+03 | 2.00E+02 | Yes | Yes | Yes |
| B | Shallow | BGDBGW001 | Antimony | 7440360 | 4 | 0 | 4 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| B | Shallow | BGDBGW002 | Antimony | 7440360 | 4 | 0 | 4 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| B | Shallow | BGDBGW003 | Antimony | 7440360 | 4 | 0 | 4 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| B | Shallow | BGDBGW004 | Antimony | 7440360 | 4 | 0 | 4 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| B | Shallow | BGDBGW001 | Arsenic | 7440382 | 4 | 1 | 3 | 2.11E+01 | 7.60E+00 | 7.60E+00 | 7.60E+00 | 5.00E+01 | No | No | No |
| B | Shallow | BGDBGW002 | Arsenic | 7440382 | 4 | 1 | 3 | 3.00E+00 | 8.10E+00 | 8.10E+00 | 8.10E+00 | 5.00E+01 | No | No | No |
| B | Shallow | BGDBGW003 | Arsenic | 7440382 | 4 | 2 | 2 | 3.90E+00 | 1.40E+01 | 1.55E+01 | 1.48E+01 | 5.00E+01 | No | No | No |
| B | Shallow | BGDBGW004 | Arsenic | 7440382 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| B | Shallow | BGDBGW001 | Barium | 7440393 | 4 | 3 | 1 | 6.66E+01 | 6.52E+01 | 8.97E+01 | 7.82E+01 | 2.00E+03 | No | No | No |
| B | Shallow | BGDBGW002 | Barium | 7440393 | 4 | 3 | 1 | 5.01E+01 | 2.11E+01 | 5.35E+01 | 3.89E+01 | 2.00E+03 | No | No | No |
| B | Shallow | BGDBGW003 | Barium | 7440393 | 4 | 3 | 1 | 3.65E+01 | 3.00E+01 | 4.20E+01 | 3.67E+01 | 2.00E+03 | No | No | No |
| B | Shallow | BGDBGW004 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.76E+01 | 2.29E+01 | 2.03E+01 | 2.00E+03 | No | No | |
| B | Shallow | BGDBGW001 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 4.80E+00 | 4.80E+00 | 4.80E+00 | 4.00E+00 | Yes | Yes | No |
| B | Shallow | BGDBGW002 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| B | Shallow | BGDBGW003 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| B | Shallow | BGDBGW004 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| B | Shallow | BGDBGW001 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| B | Shallow | BGDBGW002 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| B | Shallow | BGDBGW003 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| B | Shallow | BGDBGW004 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| B | Shallow | BGDBGW001 | Calcium | 7440702 | 4 | 4 | 0 | NA | 3.65E+05 | 4.67E+05 | 4.28E+05 | NA | No | No | |
| B | Shallow | BGDBGW002 | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.53E+04 | 2.10E+05 | 1.69E+05 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| B | Shallow | BGDBGW003 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.54E+05 | 1.97E+05 | 1.81E+05 | NA | No | No | |
| B | Shallow | BGDBGW004 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.20E+04 | 1.37E+04 | 1.28E+04 | NA | No | No | |
| B | Shallow | BGDBGW001 | Chromium, Total | 7440473 | 4 | 1 | 3 | 6.00E+00 | 1.28E+02 | 1.28E+02 | 1.28E+02 | 1.00E+02 | Yes | Yes | No |
| B | Shallow | BGDBGW002 | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.10E+01 | 1.10E+01 | 1.10E+01 | 1.10E+01 | 1.00E+02 | No | No | No |
| B | Shallow | BGDBGW003 | Chromium, Total | 7440473 | 4 | 1 | 3 | 7.30E+00 | 7.70E+00 | 7.70E+00 | 7.70E+00 | 1.00E+02 | No | No | No |
| B | Shallow | BGDBGW004 | Chromium, Total | 7440473 | 4 | 0 | 4 | 6.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| B | Shallow | BGDBGW001 | Cobalt | 7440484 | 4 | 1 | 3 | 7.00E+00 | 7.46E+01 | 7.46E+01 | 7.46E+01 | 2.19E+03 | No | No | No |
| B | Shallow | BGDBGW002 | Cobalt | 7440484 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| B | Shallow | BGDBGW003 | Cobalt | 7440484 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| B | Shallow | BGDBGW004 | Cobalt | 7440484 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| B | Shallow | BGDBGW001 | Copper | 7440508 | 4 | 1 | 3 | 7.00E+00 | 1.05E+02 | 1.05E+02 | 1.05E+02 | 1.30E+03 | No | No | No |
| B | Shallow | BGDBGW002 | Copper | 7440508 | 4 | 0 | 4 | 9.20E+00 | NA | NA | NA | 1.30E+03 | | | No |
| B | Shallow | BGDBGW003 | Copper | 7440508 | 4 | 0 | 4 | 9.90E+00 | NA | NA | NA | 1.30E+03 | | | No |
| B | Shallow | BGDBGW004 | Copper | 7440508 | 4 | 1 | 3 | 7.00E+00 | 6.60E+00 | 6.60E+00 | 6.60E+00 | 1.30E+03 | No | No | No |
| B | Shallow | BGDBGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 5.26E+02 | 2.10E+03 | 1.23E+03 | 3.00E+02 | Yes | Yes | |
| B | Shallow | BGDBGW002 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.99E+02 | 1.85E+04 | 1.03E+04 | 3.00E+02 | Yes | Yes | |
| B | Shallow | BGDBGW003 | Iron | 7439896 | 4 | 4 | 0 | NA | 3.69E+03 | 8.07E+03 | 6.25E+03 | 3.00E+02 | Yes | Yes | |
| B | Shallow | BGDBGW004 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.31E+02 | 5.12E+03 | 1.48E+03 | 3.00E+02 | Yes | Yes | |
| B | Shallow | BGDBGW001 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 1.50E+01 | | | Yes |
| B | Shallow | BGDBGW002 | Lead | 7439921 | 4 | 0 | 4 | 1.50E+01 | NA | NA | NA | 1.50E+01 | | | No |
| B | Shallow | BGDBGW003 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| B | Shallow | BGDBGW004 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 7.30E+00 | 7.30E+00 | 7.30E+00 | 1.50E+01 | No | No | No |
| B | Shallow | BGDBGW001 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.71E+05 | 1.01E+06 | 8.48E+05 | NA | No | No | |
| B | Shallow | BGDBGW002 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.64E+04 | 1.82E+05 | 1.09E+05 | NA | No | No | |
| B | Shallow | BGDBGW003 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.91E+04 | 1.28E+05 | 9.37E+04 | NA | No | No | |
| B | Shallow | BGDBGW004 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.74E+03 | 8.74E+03 | 7.70E+03 | NA | No | No | |
| B | Shallow | BGDBGW001 | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.95E+02 | 2.06E+03 | 1.18E+03 | 5.00E+01 | Yes | Yes | |
| B | Shallow | BGDBGW002 | Manganese | 7439965 | 4 | 4 | 0 | NA | 7.63E+02 | 3.43E+03 | 2.53E+03 | 5.00E+01 | Yes | Yes | |
| B | Shallow | BGDBGW003 | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.20E+02 | 8.50E+02 | 7.28E+02 | 5.00E+01 | Yes | Yes | |
| B | Shallow | BGDBGW004 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.11E+01 | 6.02E+01 | 4.14E+01 | 5.00E+01 | Yes | No | |
| B | Shallow | BGDBGW001 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| B | Shallow | BGDBGW002 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| B | Shallow | BGDBGW003 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| B | Shallow | BGDBGW004 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| B | Shallow | BGDBGW001 | Nickel | 7440020 | 4 | 2 | 2 | 1.40E+01 | 1.65E+01 | 5.56E+01 | 3.61E+01 | 1.00E+02 | No | No | No |
| B | Shallow | BGDBGW002 | Nickel | 7440020 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | 1.00E+02 | | | No |
| B | Shallow | BGDBGW003 | Nickel | 7440020 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | 1.00E+02 | | | No |
| B | Shallow | BGDBGW004 | Nickel | 7440020 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | 1.00E+02 | | | No |
| B | Shallow | BGDBGW001 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.04E+05 | 5.17E+05 | 2.88E+05 | NA | No | No | |
| B | Shallow | BGDBGW002 | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.09E+04 | 1.15E+05 | 6.76E+04 | NA | No | No | |
| B | Shallow | BGDBGW003 | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.55E+04 | 5.60E+04 | 5.16E+04 | NA | No | No | |
| B | Shallow | BGDBGW004 | Potassium | 7440097 | 4 | 3 | 1 | 1.42E+03 | 1.27E+03 | 2.27E+03 | 1.66E+03 | NA | No | No | No |
| B | Shallow | BGDBGW001 | Selenium | 7782492 | 4 | 0 | 4 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | No |
| B | Shallow | BGDBGW002 | Selenium | 7782492 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| B | Shallow | BGDBGW003 | Selenium | 7782492 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| B | Shallow | BGDBGW004 | Selenium | 7782492 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| B | Shallow | BGDBGW001 | Silver | 7440224 | 4 | 1 | 3 | 7.00E+00 | 1.12E+02 | 1.12E+02 | 1.12E+02 | 1.00E+02 | Yes | Yes | No |
| B | Shallow | BGDBGW002 | Silver | 7440224 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| B | Shallow | BGDBGW003 | Silver | 7440224 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| B | Shallow | BGDBGW004 | Silver | 7440224 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| B | Shallow | BGDBGW001 | Thallium | 7440280 | 4 | 0 | 4 | 4.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| B | Shallow | BGDBGW002 | Thallium | 7440280 | 4 | 0 | 4 | 4.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| B | Shallow | BGDBGW003 | Thallium | 7440280 | 4 | 1 | 3 | 4.00E+01 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 2.00E+00 | Yes | Yes | Yes |
| B | Shallow | BGDBGW004 | Thallium | 7440280 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| B | Shallow | BGDBGW001 | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| B | Shallow | BGDBGW002 | Tin (Sn) | 7440315 | 3 | 1 | 2 | 5.48E+01 | 4.58E+01 | 4.58E+01 | 4.58E+01 | NA | No | No | No |
| B | Shallow | BGDBGW003 | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| B | Shallow | BGDBGW004 | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| B | Shallow | BGDBGW001 | Vanadium | 7440622 | 4 | 2 | 2 | 7.00E+00 | 1.02E+01 | 1.29E+01 | 1.16E+01 | 2.56E+02 | No | No | No |
| B | Shallow | BGDBGW002 | Vanadium | 7440622 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| B | Shallow | BGDBGW003 | Vanadium | 7440622 | 4 | 1 | 3 | 7.00E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 2.56E+02 | No | No | No |
| B | Shallow | BGDBGW004 | Vanadium | 7440622 | 4 | 1 | 3 | 7.00E+00 | 7.40E+00 | 7.40E+00 | 7.40E+00 | 2.56E+02 | No | No | No |
| B | Shallow | BGDBGW001 | Zinc | 7440666 | 4 | 0 | 4 | 4.78E+01 | NA | NA | NA | 5.00E+03 | | | No |
| B | Shallow | BGDBGW002 | Zinc | 7440666 | 4 | 1 | 3 | 2.59E+01 | 8.10E+00 | 8.10E+00 | 8.10E+00 | 5.00E+03 | No | No | No |
| B | Shallow | BGDBGW003 | Zinc | 7440666 | 4 | 1 | 3 | 3.62E+01 | 5.90E+00 | 5.90E+00 | 5.90E+00 | 5.00E+03 | No | No | No |
| B | Shallow | BGDBGW004 | Zinc | 7440666 | 4 | 1 | 3 | 3.49E+01 | 1.69E+01 | 1.69E+01 | 1.69E+01 | 5.00E+03 | No | No | No |
| B | Deep | BGDBGW01D | Aluminum | 7429905 | 4 | 1 | 3 | 4.80E+01 | 1.91E+03 | 1.91E+03 | 1.91E+03 | 2.00E+02 | Yes | Yes | No |
| B | Deep | BGDBGW04D | Aluminum | 7429905 | 4 | 1 | 3 | 1.62E+02 | 5.67E+01 | 5.67E+01 | 5.67E+01 | 2.00E+02 | No | No | No |
| B | Deep | BGDBGW01D | Antimony | 7440360 | 4 | 0 | 4 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| B | Deep | BGDBGW04D | Antimony | 7440360 | 4 | 0 | 4 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| B | Deep | BGDBGW01D | Arsenic | 7440382 | 4 | 0 | 4 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | No |
| B | Deep | BGDBGW04D | Arsenic | 7440382 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| B | Deep | BGDBGW01D | Barium | 7440393 | 4 | 3 | 1 | 1.39E+02 | 1.06E+02 | 1.54E+02 | 1.31E+02 | 2.00E+03 | No | No | No |
| B | Deep | BGDBGW04D | Barium | 7440393 | 4 | 3 | 1 | 1.40E+01 | 7.00E+00 | 9.00E+00 | 8.17E+00 | 2.00E+03 | No | No | No |
| B | Deep | BGDBGW01D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 4.00E+00 | Yes | Yes | No |
| B | Deep | BGDBGW04D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| B | Deep | BGDBGW01D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| B | Deep | BGDBGW04D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| B | Deep | BGDBGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 3.05E+05 | 3.81E+05 | 3.30E+05 | NA | No | No | |
| B | Deep | BGDBGW04D | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.86E+04 | 5.32E+04 | 5.08E+04 | NA | No | No | |
| B | Deep | BGDBGW01D | Chromium, Total | 7440473 | 4 | 1 | 3 | 6.00E+00 | 1.02E+02 | 1.02E+02 | 1.02E+02 | 1.00E+02 | Yes | Yes | No |
| B | Deep | BGDBGW04D | Chromium, Total | 7440473 | 4 | 0 | 4 | 6.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| B | Deep | BGDBGW01D | Cobalt | 7440484 | 4 | 1 | 3 | 7.00E+00 | 6.89E+01 | 6.89E+01 | 6.89E+01 | 2.19E+03 | No | No | No |
| B | Deep | BGDBGW04D | Cobalt | 7440484 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| B | Deep | BGDBGW01D | Copper | 7440508 | 4 | 2 | 2 | 7.00E+00 | 6.20E+00 | 8.83E+01 | 4.73E+01 | 1.30E+03 | No | No | No |
| B | Deep | BGDBGW04D | Copper | 7440508 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| B | Deep | BGDBGW01D | Iron | 7439896 | 4 | 1 | 3 | 1.17E+02 | 3.16E+01 | 3.16E+01 | 3.16E+01 | 3.00E+02 | No | No | No |
| B | Deep | BGDBGW04D | Iron | 7439896 | 4 | 3 | 1 | 1.23E+02 | 7.78E+01 | 1.84E+02 | 1.18E+02 | 3.00E+02 | No | No | No |
| B | Deep | BGDBGW01D | Lead | 7439921 | 4 | 0 | 4 | 1.50E+01 | NA | NA | NA | 1.50E+01 | | | No |
| B | Deep | BGDBGW04D | Lead | 7439921 | 4 | 1 | 3 | 2.00E+00 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 1.50E+01 | No | No | No |
| B | Deep | BGDBGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.56E+05 | 4.25E+05 | 3.87E+05 | NA | No | No | |
| B | Deep | BGDBGW04D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 4.90E+03 | 5.80E+03 | 5.26E+03 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| B | Deep | BGDBGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.04E+02 | 8.94E+02 | 6.82E+02 | 5.00E+01 | Yes | Yes | |
| B | Deep | BGDBGW04D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.18E+01 | 5.88E+01 | 4.49E+01 | 5.00E+01 | Yes | No | |
| B | Deep | BGDBGW01D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| B | Deep | BGDBGW04D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| B | Deep | BGDBGW01D | Nickel | 7440020 | 4 | 2 | 2 | 1.40E+01 | 1.70E+01 | 4.74E+01 | 3.22E+01 | 1.00E+02 | No | No | No |
| B | Deep | BGDBGW04D | Nickel | 7440020 | 4 | 1 | 3 | 1.30E+01 | 1.44E+01 | 1.44E+01 | 1.44E+01 | 1.00E+02 | No | No | No |
| B | Deep | BGDBGW01D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.05E+05 | 2.03E+05 | 1.35E+05 | NA | No | No | |
| B | Deep | BGDBGW04D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.27E+03 | 4.94E+03 | 3.62E+03 | NA | No | No | |
| B | Deep | BGDBGW01D | Selenium | 7782492 | 4 | 0 | 4 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | No |
| B | Deep | BGDBGW04D | Selenium | 7782492 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| B | Deep | BGDBGW01D | Silver | 7440224 | 4 | 1 | 3 | 7.00E+00 | 1.36E+02 | 1.36E+02 | 1.36E+02 | 1.00E+02 | Yes | Yes | No |
| B | Deep | BGDBGW04D | Silver | 7440224 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| B | Deep | BGDBGW01D | Thallium | 7440280 | 4 | 0 | 4 | 4.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| B | Deep | BGDBGW04D | Thallium | 7440280 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| B | Deep | BGDBGW01D | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| B | Deep | BGDBGW04D | Tin (Sn) | 7440315 | 3 | 0 | 3 | 5.48E+01 | NA | NA | NA | NA | | | No |
| B | Deep | BGDBGW01D | Vanadium | 7440622 | 4 | 1 | 3 | 7.00E+00 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 2.56E+02 | No | No | No |
| B | Deep | BGDBGW04D | Vanadium | 7440622 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| B | Deep | BGDBGW01D | Zinc | 7440666 | 4 | 0 | 4 | 4.51E+01 | NA | NA | NA | 5.00E+03 | | | No |
| B | Deep | BGDBGW04D | Zinc | 7440666 | 4 | 1 | 3 | 2.02E+01 | 9.10E+00 | 9.10E+00 | 9.10E+00 | 5.00E+03 | No | No | No |
| C | Shallow | CGDCGW001 | Aluminum | 7429905 | 4 | 3 | 1 | 3.17E+02 | 2.72E+02 | 6.20E+02 | 4.28E+02 | 2.00E+02 | Yes | Yes | Yes |
| C | Shallow | CGDCGW002 | Aluminum | 7429905 | 4 | 2 | 2 | 2.49E+01 | 6.39E+01 | 9.57E+01 | 7.98E+01 | 2.00E+02 | No | No | No |
| C | Shallow | CGDCGW001 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| C | Shallow | CGDCGW002 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| C | Shallow | CGDCGW001 | Arsenic | 7440382 | 4 | 2 | 2 | 3.20E+00 | 3.20E+00 | 3.90E+00 | 3.55E+00 | 5.00E+01 | No | No | No |
| C | Shallow | CGDCGW002 | Arsenic | 7440382 | 4 | 1 | 3 | 1.50E+01 | 5.60E+00 | 5.60E+00 | 5.60E+00 | 5.00E+01 | No | No | No |
| C | Shallow | CGDCGW001 | Barium | 7440393 | 4 | 2 | 2 | 8.40E+00 | 4.60E+00 | 4.90E+00 | 4.75E+00 | 2.00E+03 | No | No | No |
| C | Shallow | CGDCGW002 | Barium | 7440393 | 4 | 3 | 1 | 1.31E+01 | 1.34E+01 | 1.64E+01 | 1.46E+01 | 2.00E+03 | No | No | No |
| C | Shallow | CGDCGW001 | Beryllium | 7440417 | 4 | 0 | 4 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| C | Shallow | CGDCGW002 | Beryllium | 7440417 | 4 | 1 | 3 | 3.00E-01 | 3.60E-01 | 3.60E-01 | 3.60E-01 | 4.00E+00 | No | No | No |
| C | Shallow | CGDCGW001 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| C | Shallow | CGDCGW002 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| C | Shallow | CGDCGW001 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.57E+04 | 3.52E+04 | 2.89E+04 | NA | No | No | |
| C | Shallow | CGDCGW002 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.27E+05 | 1.52E+05 | 1.36E+05 | NA | No | No | |
| C | Shallow | CGDCGW001 | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.20E+00 | 2.10E+00 | 2.10E+00 | 2.10E+00 | 1.00E+02 | No | No | No |
| C | Shallow | CGDCGW002 | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Shallow | CGDCGW001 | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| C | Shallow | CGDCGW002 | Cobalt | 7440484 | 4 | 1 | 3 | 5.20E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 2.19E+03 | No | No | No |
| C | Shallow | CGDCGW001 | Copper | 7440508 | 4 | 0 | 4 | 4.50E+00 | NA | NA | NA | 1.30E+03 | | | No |
| C | Shallow | CGDCGW002 | Copper | 7440508 | 4 | 0 | 4 | 1.80E+00 | NA | NA | NA | 1.30E+03 | | | No |
| C | Shallow | CGDCGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.88E+02 | 7.85E+02 | 5.14E+02 | 3.00E+02 | Yes | Yes | |
| C | Shallow | CGDCGW002 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.70E+03 | 4.66E+03 | 2.93E+03 | 3.00E+02 | Yes | Yes | |
| C | Shallow | CGDCGW001 | Lead | 7439921 | 4 | 1 | 3 | 9.10E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.50E+01 | No | No | No |
| C | Shallow | CGDCGW002 | Lead | 7439921 | 4 | 1 | 3 | 1.90E+00 | 4.40E+00 | 4.40E+00 | 4.40E+00 | 1.50E+01 | No | No | No |
| C | Shallow | CGDCGW001 | Magnesium | 7439954 | 4 | 3 | 1 | 7.56E+02 | 6.97E+02 | 1.00E+03 | 8.06E+02 | NA | No | No | No |
| C | Shallow | CGDCGW002 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.39E+03 | 9.25E+03 | 8.34E+03 | NA | No | No | |
| C | Shallow | CGDCGW001 | Manganese | 7439965 | 4 | 3 | 1 | 2.28E+01 | 1.83E+01 | 3.04E+01 | 2.48E+01 | 5.00E+01 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| C | Shallow | CGDCGW002 | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.68E+02 | 7.89E+02 | 5.87E+02 | 5.00E+01 | Yes | Yes | |
| C | Shallow | CGDCGW001 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| C | Shallow | CGDCGW002 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| C | Shallow | CGDCGW001 | Nickel | 7440020 | 4 | 1 | 3 | 6.60E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| C | Shallow | CGDCGW002 | Nickel | 7440020 | 4 | 1 | 3 | 1.16E+01 | 5.00E+00 | 5.00E+00 | 5.00E+00 | 1.00E+02 | No | No | No |
| C | Shallow | CGDCGW001 | Potassium | 7440097 | 4 | 1 | 3 | 2.33E+03 | 5.60E+02 | 5.60E+02 | 5.60E+02 | NA | No | No | No |
| C | Shallow | CGDCGW002 | Potassium | 7440097 | 4 | 2 | 2 | 6.71E+03 | 5.38E+03 | 6.40E+03 | 5.89E+03 | NA | No | No | No |
| C | Shallow | CGDCGW001 | Selenium | 7782492 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| C | Shallow | CGDCGW002 | Selenium | 7782492 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| C | Shallow | CGDCGW001 | Silver | 7440224 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Shallow | CGDCGW002 | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Shallow | CGDCGW001 | Thallium | 7440280 | 4 | 0 | 4 | 4.50E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| C | Shallow | CGDCGW002 | Thallium | 7440280 | 4 | 0 | 4 | 4.50E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| C | Shallow | CGDCGW001 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.63E+01 | NA | NA | NA | NA | | | No |
| C | Shallow | CGDCGW002 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.90E+00 | NA | NA | NA | NA | | | No |
| C | Shallow | CGDCGW001 | Vanadium | 7440622 | 4 | 2 | 2 | 3.40E+00 | 1.40E+00 | 1.90E+00 | 1.65E+00 | 2.56E+02 | No | No | No |
| C | Shallow | CGDCGW002 | Vanadium | 7440622 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 2.56E+02 | | | No |
| C | Shallow | CGDCGW001 | Zinc | 7440666 | 4 | 1 | 3 | 2.00E+01 | 1.34E+01 | 1.34E+01 | 1.34E+01 | 5.00E+03 | No | No | No |
| C | Shallow | CGDCGW002 | Zinc | 7440666 | 4 | 3 | 1 | 9.40E+00 | 5.60E+00 | 1.46E+01 | 8.67E+00 | 5.00E+03 | No | No | No |
| C | Deep | CGDCGW01D | Aluminum | 7429905 | 4 | 1 | 3 | 5.43E+01 | 1.81E+01 | 1.81E+01 | 1.81E+01 | 2.00E+02 | No | No | No |
| C | Deep | CGDCGW02D | Aluminum | 7429905 | 4 | 0 | 4 | 2.30E+01 | NA | NA | NA | 2.00E+02 | | | No |
| C | Deep | CGDCGW01D | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| C | Deep | CGDCGW02D | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| C | Deep | CGDCGW01D | Arsenic | 7440382 | 4 | 0 | 4 | 3.20E+00 | NA | NA | NA | 5.00E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| C | Deep | CGDCGW02D | Arsenic | 7440382 | 4 | 0 | 4 | 3.20E+00 | NA | NA | NA | 5.00E+01 | | | No |
| C | Deep | CGDCGW01D | Barium | 7440393 | 4 | 2 | 2 | 1.19E+01 | 1.16E+01 | 1.28E+01 | 1.22E+01 | 2.00E+03 | No | No | No |
| C | Deep | CGDCGW02D | Barium | 7440393 | 4 | 2 | 2 | 5.68E+01 | 5.45E+01 | 7.04E+01 | 6.25E+01 | 2.00E+03 | No | No | No |
| C | Deep | CGDCGW01D | Beryllium | 7440417 | 4 | 0 | 4 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| C | Deep | CGDCGW02D | Beryllium | 7440417 | 4 | 1 | 3 | 3.00E-01 | 3.30E-01 | 3.30E-01 | 3.30E-01 | 4.00E+00 | No | No | No |
| C | Deep | CGDCGW01D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| C | Deep | CGDCGW02D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| C | Deep | CGDCGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.48E+04 | 6.28E+04 | 5.51E+04 | NA | No | No | |
| C | Deep | CGDCGW02D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.01E+05 | 1.79E+05 | 1.55E+05 | NA | No | No | |
| C | Deep | CGDCGW01D | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Deep | CGDCGW02D | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Deep | CGDCGW01D | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| C | Deep | CGDCGW02D | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| C | Deep | CGDCGW01D | Copper | 7440508 | 4 | 0 | 4 | 3.90E+00 | NA | NA | NA | 1.30E+03 | | | No |
| C | Deep | CGDCGW02D | Copper | 7440508 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| C | Deep | CGDCGW01D | Iron | 7439896 | 4 | 4 | 0 | NA | 4.85E+02 | 7.88E+02 | 6.18E+02 | 3.00E+02 | Yes | Yes | |
| C | Deep | CGDCGW02D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.13E+02 | 2.40E+02 | 2.24E+02 | 3.00E+02 | No | No | |
| C | Deep | CGDCGW01D | Lead | 7439921 | 4 | 0 | 4 | 3.60E+00 | NA | NA | NA | 1.50E+01 | | | No |
| C | Deep | CGDCGW02D | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |
| C | Deep | CGDCGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.42E+03 | 2.19E+03 | 1.86E+03 | NA | No | No | |
| C | Deep | CGDCGW02D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.32E+04 | 2.24E+04 | 1.93E+04 | NA | No | No | |
| C | Deep | CGDCGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.54E+01 | 5.46E+01 | 4.68E+01 | 5.00E+01 | Yes | No | |
| C | Deep | CGDCGW02D | Manganese | 7439965 | 4 | 4 | 0 | NA | 6.75E+01 | 1.23E+02 | 1.00E+02 | 5.00E+01 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| C | Deep | CGDCGW01D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| C | Deep | CGDCGW02D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| C | Deep | CGDCGW01D | Nickel | 7440020 | 4 | 0 | 4 | 7.90E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Deep | CGDCGW02D | Nickel | 7440020 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Deep | CGDCGW01D | Potassium | 7440097 | 4 | 1 | 3 | 1.65E+03 | 9.18E+02 | 9.18E+02 | 9.18E+02 | NA | No | No | No |
| C | Deep | CGDCGW02D | Potassium | 7440097 | 4 | 3 | 1 | 8.21E+03 | 9.70E+03 | 1.12E+04 | 1.07E+04 | NA | No | No | No |
| C | Deep | CGDCGW01D | Selenium | 7782492 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| C | Deep | CGDCGW02D | Selenium | 7782492 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| C | Deep | CGDCGW01D | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Deep | CGDCGW02D | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| C | Deep | CGDCGW01D | Thallium | 7440280 | 4 | 0 | 4 | 4.50E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| C | Deep | CGDCGW02D | Thallium | 7440280 | 4 | 0 | 4 | 4.50E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| C | Deep | CGDCGW01D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.63E+01 | NA | NA | NA | NA | | | No |
| C | Deep | CGDCGW02D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.63E+01 | NA | NA | NA | NA | | | No |
| C | Deep | CGDCGW01D | Vanadium | 7440622 | 4 | 1 | 3 | 3.40E+00 | 4.30E-01 | 4.30E-01 | 4.30E-01 | 2.56E+02 | No | No | No |
| C | Deep | CGDCGW02D | Vanadium | 7440622 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 2.56E+02 | | | No |
| C | Deep | CGDCGW01D | Zinc | 7440666 | 4 | 0 | 4 | 4.02E+01 | NA | NA | NA | 5.00E+03 | | | No |
| C | Deep | CGDCGW02D | Zinc | 7440666 | 4 | 0 | 4 | 6.90E+00 | NA | NA | NA | 5.00E+03 | | | No |
| D | Shallow | DGDDGW001 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 2.62E+02 | 7.07E+02 | 4.85E+02 | 2.00E+02 | Yes | Yes | |
| D | Shallow | DGDDGW001 | Antimony | 7440360 | 4 | 0 | 4 | 5.80E+00 | NA | NA | NA | 6.00E+00 | | | No |
| D | Shallow | DGDDGW001 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 2.20E+00 | 4.00E+00 | 3.15E+00 | 5.00E+01 | No | No | |
| D | Shallow | DGDDGW001 | Barium | 7440393 | 4 | 4 | 0 | NA | 4.40E+00 | 1.09E+01 | 7.20E+00 | 2.00E+03 | No | No | |
| D | Shallow | DGDDGW001 | Beryllium | 7440417 | 4 | 2 | 2 | 2.00E-01 | 2.00E-01 | 4.00E-01 | 3.00E-01 | 4.00E+00 | No | No | No |
| D | Shallow | DGDDGW001 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| D | Shallow | DGDDGW001 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.16E+04 | 2.26E+04 | 1.74E+04 | NA | No | No | |
| D | Shallow | DGDDGW001 | Chromium, Total | 7440473 | 4 | 3 | 1 | 1.00E+00 | 1.30E+00 | 2.20E+00 | 1.80E+00 | 1.00E+02 | No | No | No |
| D | Shallow | DGDDGW001 | Cobalt | 7440484 | 4 | 0 | 4 | 9.00E-01 | NA | NA | NA | 2.19E+03 | | | No |
| D | Shallow | DGDDGW001 | Copper | 7440508 | 4 | 1 | 3 | 3.90E+00 | 4.30E+00 | 4.30E+00 | 4.30E+00 | 1.30E+03 | No | No | No |
| D | Shallow | DGDDGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.10E+02 | 2.27E+03 | 8.12E+02 | 3.00E+02 | Yes | Yes | |
| D | Shallow | DGDDGW001 | Lead | 7439921 | 4 | 1 | 3 | 9.70E-01 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.50E+01 | No | No | No |
| D | Shallow | DGDDGW001 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.39E+03 | 1.68E+03 | 1.50E+03 | NA | No | No | |
| D | Shallow | DGDDGW001 | Manganese | 7439965 | 4 | 3 | 1 | 1.80E+00 | 1.70E+00 | 1.53E+01 | 7.57E+00 | 5.00E+01 | No | No | No |
| D | Shallow | DGDDGW001 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| D | Shallow | DGDDGW001 | Nickel | 7440020 | 4 | 2 | 2 | 2.20E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.00E+02 | No | No | No |
| D | Shallow | DGDDGW001 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.22E+03 | 2.96E+03 | 2.50E+03 | NA | No | No | |
| D | Shallow | DGDDGW001 | Selenium | 7782492 | 4 | 1 | 3 | 3.40E+00 | 4.50E+00 | 4.50E+00 | 4.50E+00 | 5.00E+01 | No | No | No |
| D | Shallow | DGDDGW001 | Silver | 7440224 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 1.00E+02 | | | No |
| D | Shallow | DGDDGW001 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| D | Shallow | DGDDGW001 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.50E+01 | NA | NA | NA | NA | | | No |
| D | Shallow | DGDDGW001 | Vanadium | 7440622 | 4 | 4 | 0 | NA | 3.60E+00 | 8.40E+00 | 5.93E+00 | 2.56E+02 | No | No | |
| D | Shallow | DGDDGW001 | Zinc | 7440666 | 4 | 1 | 3 | 2.38E+01 | 1.36E+01 | 1.36E+01 | 1.36E+01 | 5.00E+03 | No | No | No |
| D | Deep | DGDDGW01D | Aluminum | 7429905 | 4 | 0 | 4 | 1.87E+01 | NA | NA | NA | 2.00E+02 | | | No |
| D | Deep | DGDDGW01D | Antimony | 7440360 | 4 | 0 | 4 | 2.60E+00 | NA | NA | NA | 6.00E+00 | | | No |
| D | Deep | DGDDGW01D | Arsenic | 7440382 | 4 | 4 | 0 | NA | 3.00E+00 | 5.60E+00 | 4.08E+00 | 5.00E+01 | No | No | |
| D | Deep | DGDDGW01D | Barium | 7440393 | 4 | 4 | 0 | NA | 1.27E+01 | 1.59E+01 | 1.36E+01 | 2.00E+03 | No | No | |
| D | Deep | DGDDGW01D | Beryllium | 7440417 | 4 | 0 | 4 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| D | Deep | DGDDGW01D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| D | Deep | DGDDGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 5.13E+04 | 5.49E+04 | 5.28E+04 | NA | No | No | |
| D | Deep | DGDDGW01D | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| D | Deep | DGDDGW01D | Cobalt | 7440484 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| D | Deep | DGDDGW01D | Copper | 7440508 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| D | Deep | DGDDGW01D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.84E+02 | 5.47E+02 | 4.70E+02 | 3.00E+02 | Yes | Yes | |
| D | Deep | DGDDGW01D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| D | Deep | DGDDGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.29E+03 | 3.46E+03 | 3.40E+03 | NA | No | No | |
| D | Deep | DGDDGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.25E+02 | 1.60E+02 | 1.42E+02 | 5.00E+01 | Yes | Yes | |
| D | Deep | DGDDGW01D | Mercury | 7439976 | 4 | 0 | 4 | 1.20E-01 | NA | NA | NA | 2.00E+00 | | | No |
| D | Deep | DGDDGW01D | Nickel | 7440020 | 4 | 0 | 4 | 1.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| D | Deep | DGDDGW01D | Potassium | 7440097 | 4 | 3 | 1 | 1.60E+03 | 1.09E+03 | 1.27E+03 | 1.18E+03 | NA | No | No | No |
| D | Deep | DGDDGW01D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| D | Deep | DGDDGW01D | Silver | 7440224 | 4 | 0 | 4 | 2.90E+00 | NA | NA | NA | 1.00E+02 | | | No |
| D | Deep | DGDDGW01D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| D | Deep | DGDDGW01D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| D | Deep | DGDDGW01D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| D | Deep | DGDDGW01D | Zinc | 7440666 | 4 | 0 | 4 | 3.03E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW001 | Aluminum | 7429905 | 4 | 2 | 2 | 3.00E+01 | 4.19E+01 | 7.05E+01 | 5.62E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW002 | Aluminum | 7429905 | 4 | 3 | 1 | 5.75E+01 | 8.31E+01 | 2.62E+02 | 1.48E+02 | 2.00E+02 | Yes | No | No |
| E | Shallow | EGDEGW003 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 5.96E+01 | 9.56E+02 | 3.88E+02 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW004 | Aluminum | 7429905 | 5 | 5 | 0 | NA | 4.36E+02 | 2.81E+03 | 1.65E+03 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW005 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 6.69E+01 | 4.18E+02 | 1.91E+02 | 2.00E+02 | Yes | No | |
| E | Shallow | EGDEGW006 | Aluminum | 7429905 | 4 | 2 | 2 | 7.43E+01 | 1.09E+02 | 3.68E+02 | 2.39E+02 | 2.00E+02 | Yes | Yes | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW007 | Aluminum | 7429905 | 4 | 3 | 1 | 9.99E+01 | 2.58E+01 | 1.77E+02 | 8.79E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW008 | Aluminum | 7429905 | 4 | 1 | 3 | 1.62E+02 | 2.86E+01 | 2.86E+01 | 2.86E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW009 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 2.00E+01 | 5.00E+01 | 3.29E+01 | 2.00E+02 | No | No | |
| E | Shallow | EGDEGW010 | Aluminum | 7429905 | 4 | 2 | 2 | 3.75E+01 | 2.87E+01 | 3.60E+02 | 1.94E+02 | 2.00E+02 | Yes | No | No |
| E | Shallow | EGDEGW011 | Aluminum | 7429905 | 4 | 2 | 2 | 5.54E+01 | 1.91E+01 | 3.07E+01 | 2.49E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW012 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 8.50E+01 | 2.02E+03 | 9.93E+02 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW013 | Aluminum | 7429905 | 4 | 2 | 2 | 4.45E+01 | 4.88E+01 | 1.34E+02 | 9.14E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW014 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 9.08E+01 | 2.44E+03 | 1.18E+03 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW015 | Aluminum | 7429905 | 4 | 3 | 1 | 5.51E+01 | 4.81E+01 | 7.95E+01 | 6.31E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW016 | Aluminum | 7429905 | 4 | 2 | 2 | 6.85E+01 | 1.04E+02 | 1.27E+03 | 6.87E+02 | 2.00E+02 | Yes | Yes | No |
| E | Shallow | EGDEGW017 | Aluminum | 7429905 | 4 | 2 | 2 | 6.75E+01 | 3.94E+01 | 4.77E+01 | 4.36E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW018 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 4.95E+02 | 1.03E+03 | 6.87E+02 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW019 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 2.24E+03 | 6.15E+03 | 3.60E+03 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW020 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 3.50E+02 | 8.12E+02 | 4.80E+02 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW021 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 1.27E+02 | 1.04E+03 | 4.78E+02 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW022 | Aluminum | 7429905 | 4 | 3 | 1 | 8.97E+01 | 2.50E+01 | 5.05E+01 | 3.54E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW023 | Aluminum | 7429905 | 4 | 2 | 2 | 2.30E+01 | 2.05E+02 | 2.72E+02 | 2.39E+02 | 2.00E+02 | Yes | Yes | No |
| E | Shallow | EGDEGW024 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 3.21E+02 | 2.05E+03 | 1.04E+03 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW025 | Aluminum | 7429905 | 4 | 2 | 2 | 4.83E+01 | 4.30E+01 | 1.07E+02 | 7.50E+01 | 2.00E+02 | No | No | No |
| E | Shallow | EGDEGW026 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 1.77E+02 | 1.61E+04 | 4.32E+03 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW027 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 1.17E+02 | 1.39E+03 | 5.53E+02 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW028 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 1.61E+02 | 7.04E+03 | 2.22E+03 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW029 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 2.57E+02 | 7.54E+03 | 2.17E+03 | 2.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW030 | Aluminum | 7429905 | 4 | 3 | 1 | 1.15E+02 | 8.87E+01 | 1.94E+02 | 1.50E+02 | 2.00E+02 | No | No | No |

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Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
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| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | FGDEGW009 | Aluminum | 7429905 | 2 | 2 | 0 | NA | 2.00E+01 | 2.80E+01 | 2.40E+01 | 2.00E+02 | No | No | |
| E | Shallow | EGDEGW001 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Shallow | EGDEGW002 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Shallow | EGDEGW003 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Shallow | EGDEGW004 | Antimony | 7440360 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW005 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW006 | Antimony | 7440360 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW007 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW008 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW009 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW010 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW011 | Antimony | 7440360 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW012 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW013 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW014 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW015 | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Shallow | EGDEGW016 | Antimony | 7440360 | 4 | 1 | 3 | 4.00E+00 | 2.90E+00 | 2.90E+00 | 2.90E+00 | 6.00E+00 | No | No | No |
| E | Shallow | EGDEGW017 | Antimony | 7440360 | 4 | 1 | 3 | 4.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 6.00E+00 | No | No | No |
| E | Shallow | EGDEGW018 | Antimony | 7440360 | 4 | 1 | 3 | 2.10E+00 | 2.10E+00 | 2.10E+00 | 2.10E+00 | 6.00E+00 | No | No | No |
| E | Shallow | EGDEGW019 | Antimony | 7440360 | 4 | 2 | 2 | 2.60E+00 | 3.20E+00 | 4.00E+00 | 3.60E+00 | 6.00E+00 | No | No | No |
| E | Shallow | EGDEGW020 | Antimony | 7440360 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW021 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW022 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Shallow | EGDEGW023 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW024 | Antimony | 7440360 | 4 | 1 | 3 | 2.01E+01 | 4.90E+00 | 4.90E+00 | 4.90E+00 | 6.00E+00 | No | No | Yes |
| E | Shallow | EGDEGW025 | Antimony | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Shallow | EGDEGW026 | Antimony | 7440360 | 4 | 0 | 4 | 2.60E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW027 | Antimony | 7440360 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW028 | Antimony | 7440360 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW029 | Antimony | 7440360 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW030 | Antimony | 7440360 | 4 | 0 | 4 | 3.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | FGDEGW009 | Antimony | 7440360 | 2 | 0 | 2 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Shallow | EGDEGW001 | Arsenic | 7440382 | 4 | 3 | 1 | 5.00E+00 | 1.34E+01 | 1.56E+01 | 1.43E+01 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW002 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 2.49E+02 | 3.16E+02 | 2.85E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW003 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 3.44E+01 | 6.93E+01 | 5.04E+01 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW004 | Arsenic | 7440382 | 5 | 3 | 2 | 1.21E+01 | 2.70E+00 | 5.50E+00 | 3.93E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW005 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW006 | Arsenic | 7440382 | 4 | 2 | 2 | 1.70E+01 | 7.60E+00 | 1.87E+01 | 1.32E+01 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW007 | Arsenic | 7440382 | 4 | 1 | 3 | 5.00E+00 | 2.90E+00 | 2.90E+00 | 2.90E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW008 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 1.73E+01 | 1.60E+02 | 8.57E+01 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW009 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 9.40E+00 | 1.21E+01 | 1.04E+01 | 5.00E+01 | No | No | |
| E | Shallow | EGDEGW010 | Arsenic | 7440382 | 4 | 2 | 2 | 6.10E+00 | 4.90E+00 | 7.20E+00 | 6.05E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW011 | Arsenic | 7440382 | 4 | 2 | 2 | 1.05E+01 | 6.10E+00 | 1.23E+01 | 9.20E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW012 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW013 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW014 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 1.44E+01 | 3.38E+01 | 2.12E+01 | 5.00E+01 | No | No | |
| E | Shallow | EGDEGW015 | Arsenic | 7440382 | 4 | 2 | 2 | 1.49E+01 | 7.50E+00 | 1.11E+01 | 9.30E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW016 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 3.38E+01 | 8.53E+01 | 6.13E+01 | 5.00E+01 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW017 | Arsenic | 7440382 | 4 | 3 | 1 | 5.00E+00 | 2.90E+00 | 4.30E+00 | 3.80E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW018 | Arsenic | 7440382 | 4 | 3 | 1 | 6.60E+00 | 7.40E+00 | 9.30E+00 | 8.07E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW019 | Arsenic | 7440382 | 4 | 3 | 1 | 5.00E+00 | 2.60E+00 | 4.60E+00 | 3.63E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW020 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW021 | Arsenic | 7440382 | 4 | 1 | 3 | 5.00E+00 | 8.70E+00 | 8.70E+00 | 8.70E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW022 | Arsenic | 7440382 | 4 | 3 | 1 | 2.50E+00 | 3.10E+00 | 6.70E+00 | 4.50E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW023 | Arsenic | 7440382 | 4 | 1 | 3 | 5.00E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW024 | Arsenic | 7440382 | 4 | 1 | 3 | 5.80E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW025 | Arsenic | 7440382 | 4 | 1 | 3 | 5.00E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW026 | Arsenic | 7440382 | 4 | 1 | 3 | 2.10E+00 | 6.80E+00 | 6.80E+00 | 6.80E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW027 | Arsenic | 7440382 | 4 | 3 | 1 | 2.10E+00 | 4.10E+00 | 2.33E+01 | 1.16E+01 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW028 | Arsenic | 7440382 | 4 | 1 | 3 | 2.10E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW029 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 6.70E+00 | 2.05E+01 | 1.24E+01 | 5.00E+01 | No | No | |
| E | Shallow | EGDEGW030 | Arsenic | 7440382 | 4 | 0 | 4 | 3.80E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | FGDEGW009 | Arsenic | 7440382 | 2 | 2 | 0 | NA | 9.40E+00 | 1.21E+01 | 1.08E+01 | 5.00E+01 | No | No | |
| E | Shallow | EGDEGW001 | Barium | 7440393 | 4 | 2 | 2 | 6.81E+01 | 5.11E+01 | 5.45E+01 | 5.28E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW002 | Barium | 7440393 | 4 | 2 | 2 | 2.96E+01 | 3.85E+01 | 5.08E+01 | 4.47E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW003 | Barium | 7440393 | 4 | 3 | 1 | 1.18E+02 | 7.08E+01 | 1.40E+02 | 1.03E+02 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW004 | Barium | 7440393 | 5 | 4 | 1 | 4.80E+00 | 8.70E+00 | 1.82E+01 | 1.30E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW005 | Barium | 7440393 | 4 | 3 | 1 | 1.49E+02 | 1.35E+02 | 1.73E+02 | 1.55E+02 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW006 | Barium | 7440393 | 4 | 3 | 1 | 2.69E+01 | 2.58E+01 | 3.71E+01 | 3.33E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW007 | Barium | 7440393 | 4 | 2 | 2 | 3.00E+01 | 1.32E+01 | 2.24E+01 | 1.78E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW008 | Barium | 7440393 | 4 | 2 | 2 | 9.04E+01 | 1.49E+01 | 1.66E+01 | 1.58E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW009 | Barium | 7440393 | 4 | 3 | 1 | 7.86E+01 | 7.93E+01 | 8.79E+01 | 8.34E+01 | 2.00E+03 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW010 | Barium | 7440393 | 4 | 3 | 1 | 4.59E+01 | 3.54E+01 | 4.43E+01 | 4.06E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW011 | Barium | 7440393 | 4 | 3 | 1 | 8.51E+01 | 8.14E+01 | 9.88E+01 | 9.14E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW012 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.34E+02 | 3.98E+02 | 2.65E+02 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW013 | Barium | 7440393 | 4 | 3 | 1 | 9.56E+01 | 7.00E+01 | 8.53E+01 | 8.00E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW014 | Barium | 7440393 | 4 | 3 | 1 | 1.86E+01 | 1.10E+01 | 3.30E+01 | 2.21E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW015 | Barium | 7440393 | 4 | 3 | 1 | 8.20E+00 | 5.90E+00 | 9.70E+00 | 7.40E+00 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW016 | Barium | 7440393 | 4 | 3 | 1 | 1.37E+01 | 1.50E+01 | 1.96E+01 | 1.68E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW017 | Barium | 7440393 | 4 | 4 | 0 | NA | 4.65E+01 | 6.75E+01 | 5.76E+01 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW018 | Barium | 7440393 | 4 | 3 | 1 | 3.85E+01 | 4.28E+01 | 6.82E+01 | 5.27E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW019 | Barium | 7440393 | 4 | 3 | 1 | 2.79E+01 | 2.08E+01 | 3.49E+01 | 2.67E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW020 | Barium | 7440393 | 4 | 4 | 0 | NA | 2.82E+01 | 4.69E+01 | 3.89E+01 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW021 | Barium | 7440393 | 4 | 3 | 1 | 1.19E+01 | 1.00E+01 | 1.42E+01 | 1.26E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW022 | Barium | 7440393 | 4 | 3 | 1 | 1.16E+02 | 6.56E+01 | 1.30E+02 | 9.38E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW023 | Barium | 7440393 | 4 | 4 | 0 | NA | 3.40E+01 | 6.36E+01 | 4.75E+01 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW024 | Barium | 7440393 | 4 | 3 | 1 | 1.93E+01 | 1.37E+01 | 3.78E+01 | 2.36E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW025 | Barium | 7440393 | 4 | 3 | 1 | 1.00E+01 | 1.86E+01 | 3.38E+01 | 2.60E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW026 | Barium | 7440393 | 4 | 4 | 0 | NA | 2.10E+01 | 1.43E+02 | 5.52E+01 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW027 | Barium | 7440393 | 4 | 4 | 0 | NA | 7.00E+00 | 1.76E+01 | 1.09E+01 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW028 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.36E+01 | 3.24E+01 | 2.35E+01 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW029 | Barium | 7440393 | 4 | 4 | 0 | NA | 6.90E+00 | 2.58E+01 | 1.30E+01 | 2.00E+03 | No | No | |
| E | Shallow | EGDEGW030 | Barium | 7440393 | 4 | 4 | 0 | NA | 3.38E+01 | 5.14E+01 | 4.28E+01 | 2.00E+03 | No | No | |
| E | Shallow | FGDEGW009 | Barium | 7440393 | 2 | 1 | 1 | 7.86E+01 | 8.29E+01 | 8.29E+01 | 8.29E+01 | 2.00E+03 | No | No | No |
| E | Shallow | EGDEGW001 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 4.10E-01 | 4.10E-01 | 4.10E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW002 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW003 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW004 | Beryllium | 7440417 | 5 | 2 | 3 | 1.00E+00 | 3.10E-01 | 3.30E-01 | 3.20E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW005 | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 4.40E-01 | 4.50E-01 | 4.45E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW006 | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 3.60E-01 | 4.20E-01 | 3.90E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW007 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW008 | Beryllium | 7440417 | 4 | 0 | 4 | 1.30E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW009 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW010 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW011 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW012 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 5.10E-01 | 5.10E-01 | 5.10E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW013 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW014 | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 3.50E-01 | 3.60E-01 | 3.55E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW015 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW016 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.10E-01 | 3.10E-01 | 3.10E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW017 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.10E-01 | 3.10E-01 | 3.10E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW018 | Beryllium | 7440417 | 4 | 0 | 4 | 3.50E-01 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW019 | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 3.40E-01 | 3.50E-01 | 3.45E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW020 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW021 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.00E-01 | 3.00E-01 | 3.00E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW022 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.10E-01 | 3.10E-01 | 3.10E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW023 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW024 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW025 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.30E-01 | 3.30E-01 | 3.30E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW026 | Beryllium | 7440417 | 4 | 2 | 2 | 5.50E-01 | 2.60E-01 | 8.50E-01 | 5.55E-01 | 4.00E+00 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW027 | Beryllium | 7440417 | 4 | 1 | 3 | 3.80E-01 | 3.50E-01 | 3.50E-01 | 3.50E-01 | 4.00E+00 | No | No | No |
| E | Shallow | EGDEGW028 | Beryllium | 7440417 | 4 | 0 | 4 | 5.50E-01 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW029 | Beryllium | 7440417 | 4 | 0 | 4 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW030 | Beryllium | 7440417 | 4 | 1 | 3 | 2.00E-01 | 3.90E-01 | 3.90E-01 | 3.90E-01 | 4.00E+00 | No | No | No |
| E | Shallow | FGDEGW009 | Beryllium | 7440417 | 2 | 0 | 2 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Shallow | EGDEGW001 | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW002 | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW003 | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW004 | Cadmium | 7440439 | 5 | 0 | 5 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW005 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW006 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW007 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW008 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW009 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW010 | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 5.00E+00 | No | No | No |
| E | Shallow | EGDEGW011 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW012 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW013 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW014 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW015 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW016 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW017 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW018 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW019 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW020 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW021 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW022 | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW023 | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW024 | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW025 | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW026 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW027 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW028 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW029 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW030 | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | FGDEGW009 | Cadmium | 7440439 | 2 | 0 | 2 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Shallow | EGDEGW001 | Calcium | 7440702 | 4 | 3 | 1 | 1.22E+05 | 9.59E+04 | 1.38E+05 | 1.23E+05 | NA | No | No | No |
| E | Shallow | EGDEGW002 | Calcium | 7440702 | 4 | 3 | 1 | 4.11E+04 | 3.73E+04 | 4.44E+04 | 3.97E+04 | NA | No | No | No |
| E | Shallow | EGDEGW003 | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.10E+04 | 1.13E+05 | 8.61E+04 | NA | No | No | |
| E | Shallow | EGDEGW004 | Calcium | 7440702 | 5 | 4 | 1 | 3.53E+02 | 1.17E+03 | 9.77E+03 | 3.87E+03 | NA | No | No | No |
| E | Shallow | EGDEGW005 | Calcium | 7440702 | 4 | 3 | 1 | 1.20E+05 | 1.26E+05 | 1.58E+05 | 1.41E+05 | NA | No | No | No |
| E | Shallow | EGDEGW006 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.21E+05 | 1.34E+05 | 1.26E+05 | NA | No | No | |
| E | Shallow | EGDEGW007 | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.02E+04 | 8.87E+04 | 7.88E+04 | NA | No | No | |
| E | Shallow | EGDEGW008 | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.75E+04 | 2.60E+05 | 1.42E+05 | NA | No | No | |
| E | Shallow | EGDEGW009 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.98E+05 | 2.32E+05 | 2.20E+05 | NA | No | No | |
| E | Shallow | EGDEGW010 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.04E+05 | 1.16E+05 | 1.10E+05 | NA | No | No | |
| E | Shallow | EGDEGW011 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.26E+05 | 1.58E+05 | 1.42E+05 | NA | No | No | |
| E | Shallow | EGDEGW012 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.03E+05 | 1.86E+05 | 1.54E+05 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW013 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.63E+05 | 2.07E+05 | 1.92E+05 | NA | No | No | |
| E | Shallow | EGDEGW014 | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.94E+04 | 9.56E+04 | 8.82E+04 | NA | No | No | |
| E | Shallow | EGDEGW015 | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.85E+04 | 1.06E+05 | 9.41E+04 | NA | No | No | |
| E | Shallow | EGDEGW016 | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.04E+04 | 1.91E+05 | 1.18E+05 | NA | No | No | |
| E | Shallow | EGDEGW017 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.02E+05 | 1.19E+05 | 1.09E+05 | NA | No | No | |
| E | Shallow | EGDEGW018 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.34E+04 | 2.94E+04 | 2.58E+04 | NA | No | No | |
| E | Shallow | EGDEGW019 | Calcium | 7440702 | 4 | 4 | 0 | NA | 5.08E+04 | 5.55E+04 | 5.31E+04 | NA | No | No | |
| E | Shallow | EGDEGW020 | Calcium | 7440702 | 4 | 4 | 0 | NA | 3.84E+04 | 4.70E+04 | 4.37E+04 | NA | No | No | |
| E | Shallow | EGDEGW021 | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.24E+04 | 1.04E+05 | 9.23E+04 | NA | No | No | |
| E | Shallow | EGDEGW022 | Calcium | 7440702 | 4 | 4 | 0 | NA | 6.23E+04 | 9.56E+04 | 8.06E+04 | NA | No | No | |
| E | Shallow | EGDEGW023 | Calcium | 7440702 | 4 | 4 | 0 | NA | 6.88E+04 | 9.57E+04 | 8.03E+04 | NA | No | No | |
| E | Shallow | EGDEGW024 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.99E+04 | 2.59E+04 | 2.30E+04 | NA | No | No | |
| E | Shallow | EGDEGW025 | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.68E+04 | 1.06E+05 | 9.85E+04 | NA | No | No | |
| E | Shallow | EGDEGW026 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.33E+03 | 4.25E+03 | 2.33E+03 | NA | No | No | |
| E | Shallow | EGDEGW027 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.75E+04 | 3.84E+04 | 3.30E+04 | NA | No | No | |
| E | Shallow | EGDEGW028 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.01E+04 | 4.51E+04 | 3.70E+04 | NA | No | No | |
| E | Shallow | EGDEGW029 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.17E+04 | 3.60E+04 | 2.83E+04 | NA | No | No | |
| E | Shallow | EGDEGW030 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.54E+04 | 2.17E+04 | 1.91E+04 | NA | No | No | |
| E | Shallow | FGDEGW009 | Calcium | 7440702 | 2 | 2 | 0 | NA | 1.98E+05 | 2.29E+05 | 2.14E+05 | NA | No | No | |
| E | Shallow | EGDEGW001 | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW002 | Chromium, Total | 7440473 | 4 | 2 | 2 | 2.20E+00 | 1.10E+00 | 1.30E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW003 | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.20E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW004 | Chromium, Total | 7440473 | 5 | 3 | 2 | 3.70E+00 | 1.70E+00 | 4.70E+00 | 3.53E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW005 | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.30E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW006 | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.50E+00 | 2.30E+00 | 2.30E+00 | 2.30E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW007 | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.80E+00 | 1.80E+00 | 1.80E+00 | 1.80E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW008 | Chromium, Total | 7440473 | 4 | 2 | 2 | 2.40E+00 | 1.20E+00 | 1.84E+01 | 9.80E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW009 | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.80E+00 | 1.90E+00 | 2.70E+00 | 2.30E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW010 | Chromium, Total | 7440473 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW011 | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.10E+00 | 2.80E+00 | 9.20E+00 | 6.00E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW012 | Chromium, Total | 7440473 | 4 | 1 | 3 | 4.00E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW013 | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW014 | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.60E+00 | 4.30E+00 | 4.30E+00 | 4.30E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW015 | Chromium, Total | 7440473 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW016 | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW017 | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW018 | Chromium, | 7440473 | 4 | 0 | 4 | 1.90E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| | | | Total | | | | | | | | | | | | |
| E | Shallow | EGDEGW019 | Chromium, Total | 7440473 | 4 | 3 | 1 | 5.40E+00 | 5.50E+00 | 1.23E+01 | 9.60E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW020 | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.00E+00 | 9.10E-01 | 9.10E-01 | 9.10E-01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW021 | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.00E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW022 | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.20E+00 | 9.00E-01 | 9.00E-01 | 9.00E-01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW023 | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.20E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW024 | Chromium, Total | 7440473 | 4 | 2 | 2 | 2.20E+00 | 1.50E+00 | 2.80E+00 | 2.15E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW025 | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.40E+00 | 8.40E-01 | 8.40E-01 | 8.40E-01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW026 | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.20E+00 | 2.21E+01 | 2.21E+01 | 2.21E+01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW027 | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.60E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW028 | Chromium, Total | 7440473 | 4 | 3 | 1 | 1.00E+00 | 1.10E+00 | 3.14E+01 | 1.33E+01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW029 | Chromium, Total | 7440473 | 4 | 2 | 2 | 5.20E+00 | 1.70E+00 | 1.10E+01 | 6.35E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW030 | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | FGDEGW009 | Chromium, Total | 7440473 | 2 | 1 | 1 | 1.00E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW001 | Cobalt | 7440484 | 4 | 4 | 0 | NA | 2.70E+01 | 4.37E+01 | 3.65E+01 | 2.19E+03 | No | No | |
| E | Shallow | EGDEGW002 | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW003 | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW004 | Cobalt | 7440484 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW005 | Cobalt | 7440484 | 4 | 1 | 3 | 5.00E+00 | 9.20E-01 | 9.20E-01 | 9.20E-01 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW006 | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 2.50E+00 | 2.50E+00 | 2.50E+00 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW007 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW008 | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW009 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW010 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW011 | Cobalt | 7440484 | 4 | 2 | 2 | 2.00E+00 | 1.40E+00 | 1.50E+00 | 1.45E+00 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW012 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW013 | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 9.10E-01 | 9.10E-01 | 9.10E-01 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW014 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW015 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW016 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW017 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW018 | Cobalt | 7440484 | 4 | 2 | 2 | 9.00E-01 | 9.70E-01 | 2.90E+00 | 1.94E+00 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW019 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW020 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW021 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW022 | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW023 | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW024 | Cobalt | 7440484 | 4 | 1 | 3 | 5.20E+00 | 9.20E-01 | 9.20E-01 | 9.20E-01 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW025 | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW026 | Cobalt | 7440484 | 4 | 1 | 3 | 5.00E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 2.19E+03 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW027 | Cobalt | 7440484 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW028 | Cobalt | 7440484 | 4 | 1 | 3 | 1.20E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW029 | Cobalt | 7440484 | 4 | 1 | 3 | 1.30E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 2.19E+03 | No | No | No |
| E | Shallow | EGDEGW030 | Cobalt | 7440484 | 4 | 1 | 3 | 4.40E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 2.19E+03 | No | No | No |
| E | Shallow | FGDEGW009 | Cobalt | 7440484 | 2 | 0 | 2 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Shallow | EGDEGW001 | Copper | 7440508 | 4 | 0 | 4 | 4.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW002 | Copper | 7440508 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW003 | Copper | 7440508 | 4 | 0 | 4 | 2.70E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW004 | Copper | 7440508 | 5 | 0 | 5 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW005 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW006 | Copper | 7440508 | 4 | 0 | 4 | 8.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW007 | Copper | 7440508 | 4 | 1 | 3 | 9.60E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW008 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW009 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW010 | Copper | 7440508 | 4 | 0 | 4 | 3.30E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW011 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW012 | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW013 | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW014 | Copper | 7440508 | 4 | 1 | 3 | 2.70E+00 | 8.10E+00 | 8.10E+00 | 8.10E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW015 | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW016 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW017 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW018 | Copper | 7440508 | 4 | 0 | 4 | 8.30E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW019 | Copper | 7440508 | 4 | 1 | 3 | 1.00E+01 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.30E+03 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW020 | Copper | 7440508 | 4 | 2 | 2 | 2.00E+00 | 8.70E-01 | 8.80E-01 | 8.75E-01 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW021 | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 2.50E+00 | 2.50E+00 | 2.50E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW022 | Copper | 7440508 | 4 | 2 | 2 | 4.90E+00 | 1.70E+00 | 2.00E+00 | 1.85E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW023 | Copper | 7440508 | 4 | 0 | 4 | 3.10E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW024 | Copper | 7440508 | 4 | 0 | 4 | 1.24E+01 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW025 | Copper | 7440508 | 4 | 0 | 4 | 7.10E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW026 | Copper | 7440508 | 4 | 0 | 4 | 9.30E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW027 | Copper | 7440508 | 4 | 1 | 3 | 3.70E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW028 | Copper | 7440508 | 4 | 2 | 2 | 1.40E+00 | 3.70E+00 | 4.00E+00 | 3.85E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW029 | Copper | 7440508 | 4 | 1 | 3 | 1.50E+00 | 2.30E+00 | 2.30E+00 | 2.30E+00 | 1.30E+03 | No | No | No |
| E | Shallow | EGDEGW030 | Copper | 7440508 | 4 | 1 | 3 | 1.40E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.30E+03 | No | No | No |
| E | Shallow | FGDEGW009 | Copper | 7440508 | 2 | 0 | 2 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Shallow | EGDEGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 5.28E+04 | 7.66E+04 | 6.76E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW002 | Iron | 7439896 | 4 | 4 | 0 | NA | 9.51E+03 | 1.23E+04 | 1.05E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW003 | Iron | 7439896 | 4 | 4 | 0 | NA | 9.07E+03 | 1.88E+04 | 1.47E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW004 | Iron | 7439896 | 5 | 4 | 1 | 8.46E+02 | 3.55E+03 | 4.23E+03 | 3.92E+03 | 3.00E+02 | Yes | Yes | Yes |
| E | Shallow | EGDEGW005 | Iron | 7439896 | 4 | 4 | 0 | NA | 3.32E+03 | 1.20E+04 | 7.26E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW006 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.12E+04 | 1.40E+04 | 1.24E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW007 | Iron | 7439896 | 4 | 4 | 0 | NA | 6.63E+02 | 6.65E+03 | 3.67E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW008 | Iron | 7439896 | 4 | 4 | 0 | NA | 5.41E+03 | 3.42E+04 | 2.38E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW009 | Iron | 7439896 | 4 | 4 | 0 | NA | 8.60E+03 | 1.25E+04 | 1.11E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW010 | Iron | 7439896 | 4 | 4 | 0 | NA | 4.07E+03 | 4.76E+03 | 4.37E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW011 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.45E+03 | 1.83E+04 | 1.11E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW012 | Iron | 7439896 | 4 | 4 | 0 | NA | 4.60E+03 | 8.51E+03 | 7.08E+03 | 3.00E+02 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW013 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.67E+03 | 5.96E+03 | 4.33E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW014 | Iron | 7439896 | 4 | 4 | 0 | NA | 9.41E+03 | 2.14E+04 | 1.50E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW015 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.00E+03 | 1.94E+03 | 1.42E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW016 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.24E+04 | 1.79E+04 | 1.57E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW017 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.98E+03 | 5.43E+03 | 4.01E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW018 | Iron | 7439896 | 4 | 4 | 0 | NA | 9.16E+02 | 1.85E+03 | 1.29E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW019 | Iron | 7439896 | 4 | 4 | 0 | NA | 4.31E+03 | 9.52E+03 | 6.91E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW020 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.48E+02 | 5.77E+02 | 3.63E+02 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW021 | Iron | 7439896 | 4 | 4 | 0 | NA | 7.87E+03 | 1.44E+04 | 1.00E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW022 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.52E+03 | 9.69E+03 | 6.98E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW023 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.50E+02 | 4.46E+03 | 1.76E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW024 | Iron | 7439896 | 4 | 4 | 0 | NA | 4.21E+02 | 1.64E+03 | 1.14E+03 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW025 | Iron | 7439896 | 4 | 3 | 1 | 1.50E+02 | 3.75E+02 | 2.14E+03 | 1.00E+03 | 3.00E+02 | Yes | Yes | No |
| E | Shallow | EGDEGW026 | Iron | 7439896 | 4 | 3 | 1 | 7.98E+01 | 2.06E+02 | 1.22E+04 | 4.26E+03 | 3.00E+02 | Yes | Yes | No |
| E | Shallow | EGDEGW027 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.44E+02 | 1.76E+03 | 8.46E+02 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW028 | Iron | 7439896 | 4 | 3 | 1 | 1.29E+02 | 1.65E+02 | 3.54E+03 | 1.61E+03 | 3.00E+02 | Yes | Yes | No |
| E | Shallow | EGDEGW029 | Iron | 7439896 | 4 | 4 | 0 | NA | 7.06E+03 | 1.41E+04 | 1.02E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW030 | Iron | 7439896 | 4 | 4 | 0 | NA | 5.07E+02 | 6.92E+02 | 5.99E+02 | 3.00E+02 | Yes | Yes | |
| E | Shallow | FGDEGW009 | Iron | 7439896 | 2 | 2 | 0 | NA | 8.60E+03 | 1.19E+04 | 1.03E+04 | 3.00E+02 | Yes | Yes | |
| E | Shallow | EGDEGW001 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW002 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW003 | Lead | 7439921 | 4 | 1 | 3 | 3.20E+00 | 4.70E+00 | 4.70E+00 | 4.70E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW004 | Lead | 7439921 | 5 | 3 | 2 | 3.00E+00 | 2.00E+00 | 3.50E+00 | 2.70E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW005 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW006 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.50E+00 | 2.50E+00 | 2.50E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW007 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW008 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW009 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW010 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 4.80E+00 | 4.80E+00 | 4.80E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW011 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW012 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW013 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW014 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW015 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW016 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW017 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW018 | Lead | 7439921 | 4 | 1 | 3 | 3.70E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW019 | Lead | 7439921 | 4 | 3 | 1 | 8.50E+00 | 2.20E+00 | 4.90E+00 | 3.43E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW020 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW021 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 3.10E+00 | 3.10E+00 | 3.10E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW022 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.10E+00 | 2.10E+00 | 2.10E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW023 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW024 | Lead | 7439921 | 4 | 4 | 0 | NA | 6.90E+00 | 4.67E+01 | 2.86E+01 | 1.50E+01 | Yes | Yes | |
| E | Shallow | EGDEGW025 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW026 | Lead | 7439921 | 4 | 1 | 3 | 9.40E-01 | 2.08E+01 | 2.08E+01 | 2.08E+01 | 1.50E+01 | Yes | Yes | No |
| E | Shallow | EGDEGW027 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 1.50E+00 | 1.50E+00 | 1.50E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW028 | Lead | 7439921 | 4 | 1 | 3 | 2.10E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 1.50E+01 | No | No | No |
| E | Shallow | EGDEGW029 | Lead | 7439921 | 4 | 1 | 3 | 9.00E-01 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 1.50E+01 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW030 | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | FGDEGW009 | Lead | 7439921 | 2 | 0 | 2 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Shallow | EGDEGW001 | Magnesium | 7439954 | 4 | 3 | 1 | 8.49E+04 | 6.38E+04 | 9.27E+04 | 8.03E+04 | NA | No | No | No |
| E | Shallow | EGDEGW002 | Magnesium | 7439954 | 4 | 3 | 1 | 5.24E+04 | 5.02E+04 | 6.45E+04 | 5.57E+04 | NA | No | No | No |
| E | Shallow | EGDEGW003 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.50E+04 | 9.54E+04 | 8.78E+04 | NA | No | No | |
| E | Shallow | EGDEGW004 | Magnesium | 7439954 | 5 | 4 | 1 | 4.92E+02 | 7.90E+02 | 2.06E+03 | 1.64E+03 | NA | No | No | No |
| E | Shallow | EGDEGW005 | Magnesium | 7439954 | 4 | 3 | 1 | 2.48E+05 | 2.36E+05 | 2.95E+05 | 2.75E+05 | NA | No | No | No |
| E | Shallow | EGDEGW006 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.39E+04 | 9.08E+04 | 6.90E+04 | NA | No | No | |
| E | Shallow | EGDEGW007 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.88E+04 | 1.84E+05 | 9.19E+04 | NA | No | No | |
| E | Shallow | EGDEGW008 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 9.11E+04 | 1.16E+06 | 3.79E+05 | NA | No | No | |
| E | Shallow | EGDEGW009 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.24E+05 | 1.47E+05 | 1.39E+05 | NA | No | No | |
| E | Shallow | EGDEGW010 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.28E+05 | 2.58E+05 | 1.85E+05 | NA | No | No | |
| E | Shallow | EGDEGW011 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.22E+05 | 2.17E+05 | 1.71E+05 | NA | No | No | |
| E | Shallow | EGDEGW012 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.03E+05 | 2.24E+05 | 1.71E+05 | NA | No | No | |
| E | Shallow | EGDEGW013 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.09E+04 | 2.88E+04 | 2.45E+04 | NA | No | No | |
| E | Shallow | EGDEGW014 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.96E+04 | 2.62E+04 | 2.35E+04 | NA | No | No | |
| E | Shallow | EGDEGW015 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.00E+03 | 6.96E+03 | 6.04E+03 | NA | No | No | |
| E | Shallow | EGDEGW016 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.53E+04 | 2.22E+04 | 1.85E+04 | NA | No | No | |
| E | Shallow | EGDEGW017 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 4.45E+03 | 5.73E+03 | 5.29E+03 | NA | No | No | |
| E | Shallow | EGDEGW018 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.01E+03 | 2.55E+03 | 2.26E+03 | NA | No | No | |
| E | Shallow | EGDEGW019 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.50E+03 | 7.70E+03 | 6.90E+03 | NA | No | No | |
| E | Shallow | EGDEGW020 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.74E+03 | 7.96E+03 | 5.32E+03 | NA | No | No | |
| E | Shallow | EGDEGW021 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.35E+04 | 2.48E+04 | 1.74E+04 | NA | No | No | |
| E | Shallow | EGDEGW022 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.61E+04 | 3.83E+04 | 3.00E+04 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW023 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 4.65E+04 | 1.21E+05 | 7.87E+04 | NA | No | No | |
| E | Shallow | EGDEGW024 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.33E+04 | 1.64E+04 | 1.51E+04 | NA | No | No | |
| E | Shallow | EGDEGW025 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 9.01E+03 | 1.57E+04 | 1.28E+04 | NA | No | No | |
| E | Shallow | EGDEGW026 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.54E+03 | 5.07E+03 | 3.62E+03 | NA | No | No | |
| E | Shallow | EGDEGW027 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.33E+03 | 2.38E+03 | 1.79E+03 | NA | No | No | |
| E | Shallow | EGDEGW028 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.26E+03 | 4.09E+03 | 2.89E+03 | NA | No | No | |
| E | Shallow | EGDEGW029 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.34E+04 | 1.63E+04 | 1.51E+04 | NA | No | No | |
| E | Shallow | EGDEGW030 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.05E+03 | 6.85E+03 | 4.67E+03 | NA | No | No | |
| E | Shallow | FGDEGW009 | Magnesium | 7439954 | 2 | 2 | 0 | NA | 1.24E+05 | 1.47E+05 | 1.36E+05 | NA | No | No | |
| E | Shallow | EGDEGW001 | Manganese | 7439965 | 4 | 3 | 1 | 1.13E+03 | 9.37E+02 | 1.37E+03 | 1.18E+03 | 5.00E+01 | Yes | Yes | Yes |
| E | Shallow | EGDEGW002 | Manganese | 7439965 | 4 | 3 | 1 | 7.26E+01 | 6.80E+01 | 7.41E+01 | 7.07E+01 | 5.00E+01 | Yes | Yes | Yes |
| E | Shallow | EGDEGW003 | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.23E+02 | 4.68E+02 | 3.84E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW004 | Manganese | 7439965 | 5 | 4 | 1 | 9.90E+00 | 1.36E+01 | 3.96E+01 | 3.00E+01 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW005 | Manganese | 7439965 | 4 | 3 | 1 | 3.93E+02 | 4.12E+02 | 5.35E+02 | 4.64E+02 | 5.00E+01 | Yes | Yes | Yes |
| E | Shallow | EGDEGW006 | Manganese | 7439965 | 4 | 4 | 0 | NA | 8.38E+02 | 8.94E+02 | 8.71E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW007 | Manganese | 7439965 | 4 | 4 | 0 | NA | 8.99E+01 | 4.46E+02 | 2.21E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW008 | Manganese | 7439965 | 4 | 4 | 0 | NA | 6.60E+01 | 2.04E+03 | 1.40E+03 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW009 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.00E+03 | 2.65E+03 | 2.43E+03 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW010 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.30E+02 | 3.73E+02 | 2.90E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW011 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.15E+02 | 3.06E+02 | 2.57E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW012 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.27E+02 | 2.46E+02 | 2.01E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW013 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.71E+02 | 2.51E+02 | 2.12E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW014 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.97E+02 | 2.60E+02 | 2.19E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW015 | Manganese | 7439965 | 4 | 3 | 1 | 5.55E+01 | 3.10E+01 | 5.61E+01 | 4.07E+01 | 5.00E+01 | Yes | No | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW016 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.83E+03 | 2.18E+03 | 2.04E+03 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW017 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.06E+01 | 3.52E+01 | 2.67E+01 | 5.00E+01 | No | No | |
| E | Shallow | EGDEGW018 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.31E+01 | 1.78E+02 | 7.46E+01 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW019 | Manganese | 7439965 | 4 | 3 | 1 | 1.95E+01 | 1.03E+01 | 2.23E+01 | 1.46E+01 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW020 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.70E+00 | 5.82E+01 | 3.09E+01 | 5.00E+01 | Yes | No | |
| E | Shallow | EGDEGW021 | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.62E+02 | 4.88E+02 | 4.30E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW022 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.57E+02 | 3.45E+02 | 2.64E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW023 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.53E+02 | 2.92E+02 | 2.72E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW024 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.88E+01 | 4.95E+01 | 3.58E+01 | 5.00E+01 | No | No | |
| E | Shallow | EGDEGW025 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.31E+02 | 2.42E+02 | 1.65E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW026 | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.24E+01 | 1.24E+02 | 7.51E+01 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW027 | Manganese | 7439965 | 4 | 3 | 1 | 7.60E+00 | 4.30E+00 | 5.15E+01 | 2.28E+01 | 5.00E+01 | Yes | No | No |
| E | Shallow | EGDEGW028 | Manganese | 7439965 | 4 | 2 | 2 | 2.60E+00 | 2.00E+00 | 6.70E+00 | 4.35E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW029 | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.04E+01 | 5.82E+01 | 4.30E+01 | 5.00E+01 | Yes | No | |
| E | Shallow | EGDEGW030 | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.69E+01 | 2.00E+02 | 1.48E+02 | 5.00E+01 | Yes | Yes | |
| E | Shallow | FGDEGW009 | Manganese | 7439965 | 2 | 2 | 0 | NA | 2.00E+03 | 2.56E+03 | 2.28E+03 | 5.00E+01 | Yes | Yes | |
| E | Shallow | EGDEGW001 | Mercury | 7439976 | 4 | 0 | 4 | 3.30E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW002 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 5.80E-01 | 5.80E-01 | 5.80E-01 | 2.00E+00 | No | No | No |
| E | Shallow | EGDEGW003 | Mercury | 7439976 | 4 | 0 | 4 | 8.60E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW004 | Mercury | 7439976 | 5 | 1 | 4 | 1.80E-01 | 6.10E-01 | 6.10E-01 | 6.10E-01 | 2.00E+00 | No | No | No |
| E | Shallow | EGDEGW005 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW006 | Mercury | 7439976 | 4 | 0 | 4 | 2.20E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW007 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW008 | Mercury | 7439976 | 4 | 0 | 4 | 2.40E-01 | NA | NA | NA | 2.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW009 | Mercury | 7439976 | 4 | 0 | 4 | 2.30E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW010 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW011 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 2.00E+00 | No | No | No |
| E | Shallow | EGDEGW012 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW013 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW014 | Mercury | 7439976 | 4 | 0 | 4 | 2.30E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW015 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW016 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW017 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 2.00E-01 | 2.00E-01 | 2.00E-01 | 2.00E+00 | No | No | No |
| E | Shallow | EGDEGW018 | Mercury | 7439976 | 4 | 0 | 4 | 1.80E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW019 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW020 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW021 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW022 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW023 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 2.00E-01 | 2.00E-01 | 2.00E-01 | 2.00E+00 | No | No | No |
| E | Shallow | EGDEGW024 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 2.00E+00 | No | No | No |
| E | Shallow | EGDEGW025 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 2.60E-01 | 2.60E-01 | 2.60E-01 | 2.00E+00 | No | No | No |
| E | Shallow | EGDEGW026 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW027 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW028 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW029 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW030 | Mercury | 7439976 | 4 | 0 | 4 | 1.40E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | FGDEGW009 | Mercury | 7439976 | 2 | 0 | 2 | 2.30E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Shallow | EGDEGW001 | Nickel | 7440020 | 4 | 2 | 2 | 1.66E+01 | 8.90E+00 | 1.52E+01 | 1.21E+01 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW002 | Nickel | 7440020 | 4 | 0 | 4 | 1.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW003 | Nickel | 7440020 | 4 | 3 | 1 | 1.20E+00 | 2.00E+00 | 3.00E+00 | 2.57E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW004 | Nickel | 7440020 | 5 | 2 | 3 | 1.33E+01 | 1.50E+00 | 1.60E+00 | 1.55E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW005 | Nickel | 7440020 | 4 | 1 | 3 | 3.60E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW006 | Nickel | 7440020 | 4 | 0 | 4 | 2.50E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW007 | Nickel | 7440020 | 4 | 1 | 3 | 5.30E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW008 | Nickel | 7440020 | 4 | 1 | 3 | 3.30E+00 | 1.01E+01 | 1.01E+01 | 1.01E+01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW009 | Nickel | 7440020 | 4 | 3 | 1 | 2.90E+00 | 2.10E+00 | 4.80E+00 | 3.27E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW010 | Nickel | 7440020 | 4 | 1 | 3 | 1.30E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW011 | Nickel | 7440020 | 4 | 3 | 1 | 1.00E+00 | 9.20E-01 | 3.90E+00 | 2.27E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW012 | Nickel | 7440020 | 4 | 2 | 2 | 5.30E+00 | 9.60E-01 | 1.40E+00 | 1.18E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW013 | Nickel | 7440020 | 4 | 1 | 3 | 5.30E+00 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW014 | Nickel | 7440020 | 4 | 4 | 0 | NA | 3.80E+00 | 1.23E+01 | 8.00E+00 | 1.00E+02 | No | No | |
| E | Shallow | EGDEGW015 | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+01 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW016 | Nickel | 7440020 | 4 | 2 | 2 | 1.50E+00 | 8.90E-01 | 1.00E+00 | 9.45E-01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW017 | Nickel | 7440020 | 4 | 1 | 3 | 1.30E+00 | 9.30E-01 | 9.30E-01 | 9.30E-01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW018 | Nickel | 7440020 | 4 | 1 | 3 | 2.10E+00 | 1.74E+01 | 1.74E+01 | 1.74E+01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW019 | Nickel | 7440020 | 4 | 2 | 2 | 4.60E+00 | 9.60E-01 | 2.00E+00 | 1.48E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW020 | Nickel | 7440020 | 4 | 1 | 3 | 1.60E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW021 | Nickel | 7440020 | 4 | 2 | 2 | 1.30E+00 | 9.20E-01 | 9.50E-01 | 9.35E-01 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW022 | Nickel | 7440020 | 4 | 3 | 1 | 5.30E+00 | 1.00E+00 | 2.00E+00 | 1.53E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW023 | Nickel | 7440020 | 4 | 3 | 1 | 1.20E+00 | 1.50E+00 | 5.40E+00 | 2.87E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW024 | Nickel | 7440020 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW025 | Nickel | 7440020 | 4 | 1 | 3 | 6.10E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW026 | Nickel | 7440020 | 4 | 0 | 4 | 7.80E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW027 | Nickel | 7440020 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW028 | Nickel | 7440020 | 4 | 1 | 3 | 1.60E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW029 | Nickel | 7440020 | 4 | 1 | 3 | 2.10E+00 | 3.70E+00 | 3.70E+00 | 3.70E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW030 | Nickel | 7440020 | 4 | 0 | 4 | 1.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | FGDEGW009 | Nickel | 7440020 | 2 | 2 | 0 | NA | 2.10E+00 | 4.80E+00 | 3.45E+00 | 1.00E+02 | No | No | |
| E | Shallow | EGDEGW001 | Potassium | 7440097 | 4 | 2 | 2 | 7.36E+03 | 5.85E+03 | 7.14E+03 | 6.50E+03 | NA | No | No | No |
| E | Shallow | EGDEGW002 | Potassium | 7440097 | 4 | 3 | 1 | 3.92E+04 | 3.04E+04 | 4.43E+04 | 3.86E+04 | NA | No | No | No |
| E | Shallow | EGDEGW003 | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.68E+04 | 6.05E+04 | 5.61E+04 | NA | No | No | |
| E | Shallow | EGDEGW004 | Potassium | 7440097 | 5 | 4 | 1 | 2.57E+03 | 2.97E+03 | 4.79E+03 | 4.04E+03 | NA | No | No | No |
| E | Shallow | EGDEGW005 | Potassium | 7440097 | 4 | 3 | 1 | 1.18E+05 | 9.75E+04 | 1.00E+05 | 9.92E+04 | NA | No | No | No |
| E | Shallow | EGDEGW006 | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.01E+04 | 5.30E+04 | 4.59E+04 | NA | No | No | |
| E | Shallow | EGDEGW007 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.94E+04 | 1.13E+05 | 6.32E+04 | NA | No | No | |
| E | Shallow | EGDEGW008 | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.39E+04 | 2.89E+05 | 1.12E+05 | NA | No | No | |
| E | Shallow | EGDEGW009 | Potassium | 7440097 | 4 | 3 | 1 | 8.00E+04 | 6.56E+04 | 7.61E+04 | 7.12E+04 | NA | No | No | No |
| E | Shallow | EGDEGW010 | Potassium | 7440097 | 4 | 4 | 0 | NA | 8.41E+04 | 1.59E+05 | 1.11E+05 | NA | No | No | |
| E | Shallow | EGDEGW011 | Potassium | 7440097 | 4 | 3 | 1 | 8.00E+04 | 7.33E+04 | 1.18E+05 | 9.43E+04 | NA | No | No | No |
| E | Shallow | EGDEGW012 | Potassium | 7440097 | 4 | 3 | 1 | 8.00E+04 | 4.51E+04 | 6.31E+04 | 5.19E+04 | NA | No | No | No |
| E | Shallow | EGDEGW013 | Potassium | 7440097 | 4 | 4 | 0 | NA | 9.02E+03 | 1.13E+04 | 1.01E+04 | NA | No | No | |
| E | Shallow | EGDEGW014 | Potassium | 7440097 | 4 | 3 | 1 | 1.63E+04 | 1.52E+04 | 1.98E+04 | 1.79E+04 | NA | No | No | No |
| E | Shallow | EGDEGW015 | Potassium | 7440097 | 4 | 3 | 1 | 3.08E+03 | 2.94E+03 | 4.02E+03 | 3.33E+03 | NA | No | No | No |
| E | Shallow | EGDEGW016 | Potassium | 7440097 | 4 | 3 | 1 | 1.24E+04 | 1.18E+04 | 1.40E+04 | 1.25E+04 | NA | No | No | No |
| E | Shallow | EGDEGW017 | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.07E+03 | 5.37E+03 | 4.81E+03 | NA | No | No | |
| E | Shallow | EGDEGW018 | Potassium | 7440097 | 4 | 3 | 1 | 7.10E+03 | 3.04E+03 | 4.37E+03 | 3.78E+03 | NA | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW019 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.91E+03 | 3.73E+03 | 3.18E+03 | NA | No | No | |
| E | Shallow | EGDEGW020 | Potassium | 7440097 | 4 | 4 | 0 | NA | 7.00E+03 | 7.96E+03 | 7.60E+03 | NA | No | No | |
| E | Shallow | EGDEGW021 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.40E+04 | 1.89E+04 | 1.68E+04 | NA | No | No | |
| E | Shallow | EGDEGW022 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.05E+04 | 2.32E+04 | 1.78E+04 | NA | No | No | |
| E | Shallow | EGDEGW023 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.51E+04 | 4.63E+04 | 3.68E+04 | NA | No | No | |
| E | Shallow | EGDEGW024 | Potassium | 7440097 | 4 | 4 | 0 | NA | 7.74E+03 | 1.43E+04 | 1.00E+04 | NA | No | No | |
| E | Shallow | EGDEGW025 | Potassium | 7440097 | 4 | 3 | 1 | 1.04E+04 | 7.57E+03 | 9.09E+03 | 8.52E+03 | NA | No | No | No |
| E | Shallow | EGDEGW026 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.32E+03 | 2.66E+03 | 1.82E+03 | NA | No | No | |
| E | Shallow | EGDEGW027 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.16E+03 | 2.65E+03 | 2.39E+03 | NA | No | No | |
| E | Shallow | EGDEGW028 | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.67E+03 | 6.28E+03 | 4.59E+03 | NA | No | No | |
| E | Shallow | EGDEGW029 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.06E+04 | 1.31E+04 | 1.17E+04 | NA | No | No | |
| E | Shallow | EGDEGW030 | Potassium | 7440097 | 4 | 4 | 0 | NA | 6.50E+03 | 7.09E+03 | 6.85E+03 | NA | No | No | |
| E | Shallow | FGDEGW009 | Potassium | 7440097 | 2 | 1 | 1 | 8.00E+04 | 7.61E+04 | 7.61E+04 | 7.61E+04 | NA | No | No | No |
| E | Shallow | EGDEGW001 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW002 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW003 | Selenium | 7782492 | 4 | 0 | 4 | 6.30E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW004 | Selenium | 7782492 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW005 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW006 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW007 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW008 | Selenium | 7782492 | 4 | 1 | 3 | 2.80E+00 | 5.20E+00 | 5.20E+00 | 5.20E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW009 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW010 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW011 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW012 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW013 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW014 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW015 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW016 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW017 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW018 | Selenium | 7782492 | 4 | 0 | 4 | 2.80E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW019 | Selenium | 7782492 | 4 | 1 | 3 | 5.00E+00 | 4.60E+00 | 4.60E+00 | 4.60E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW020 | Selenium | 7782492 | 4 | 2 | 2 | 5.00E+00 | 4.60E+00 | 4.90E+00 | 4.75E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW021 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW022 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW023 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW024 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW025 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW026 | Selenium | 7782492 | 4 | 1 | 3 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 5.00E+01 | No | No | No |
| E | Shallow | EGDEGW027 | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW028 | Selenium | 7782492 | 4 | 0 | 4 | 5.10E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW029 | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW030 | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | FGDEGW009 | Selenium | 7782492 | 2 | 0 | 2 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Shallow | EGDEGW001 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW002 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW003 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW004 | Silver | 7440224 | 5 | 0 | 5 | 4.50E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW005 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW006 | Silver | 7440224 | 4 | 1 | 3 | 3.20E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW007 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW008 | Silver | 7440224 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW009 | Silver | 7440224 | 4 | 0 | 4 | 1.09E+01 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW010 | Silver | 7440224 | 4 | 0 | 4 | 3.90E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW011 | Silver | 7440224 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW012 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW013 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW014 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW015 | Silver | 7440224 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW016 | Silver | 7440224 | 4 | 1 | 3 | 2.00E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| E | Shallow | EGDEGW017 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW018 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW019 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW020 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW021 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW022 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW023 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW024 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW025 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW026 | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW027 | Silver | 7440224 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW028 | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW029 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW030 | Silver | 7440224 | 4 | 0 | 4 | 4.90E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | FGDEGW009 | Silver | 7440224 | 2 | 0 | 2 | 2.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Shallow | EGDEGW001 | Thallium | 7440280 | 4 | 2 | 2 | 5.00E+00 | 4.20E+00 | 5.40E+00 | 4.80E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW002 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 3.80E+00 | 3.80E+00 | 3.80E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW003 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW004 | Thallium | 7440280 | 5 | 0 | 5 | 6.80E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW005 | Thallium | 7440280 | 4 | 2 | 2 | 5.00E+00 | 5.40E+00 | 5.80E+00 | 5.60E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW006 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW007 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 3.70E+00 | 3.70E+00 | 3.70E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW008 | Thallium | 7440280 | 4 | 1 | 3 | 5.80E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW009 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW010 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 5.00E+00 | 5.00E+00 | 5.00E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW011 | Thallium | 7440280 | 4 | 0 | 4 | 5.90E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW012 | Thallium | 7440280 | 4 | 1 | 3 | 4.30E+00 | 5.30E+00 | 5.30E+00 | 5.30E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW013 | Thallium | 7440280 | 4 | 2 | 2 | 5.00E+00 | 3.40E+00 | 3.90E+00 | 3.65E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW014 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW015 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW016 | Thallium | 7440280 | 4 | 0 | 4 | 9.10E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW017 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW018 | Thallium | 7440280 | 4 | 0 | 4 | 3.80E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW019 | Thallium | 7440280 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW020 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW021 | Thallium | 7440280 | 4 | 0 | 4 | 5.90E+00 | NA | NA | NA | 2.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW022 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW023 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 4.10E+00 | 4.10E+00 | 4.10E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Shallow | EGDEGW024 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW025 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW026 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW027 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW028 | Thallium | 7440280 | 4 | 0 | 4 | 6.80E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW029 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW030 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | FGDEGW009 | Thallium | 7440280 | 2 | 0 | 2 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Shallow | EGDEGW001 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.20E+00 | 3.20E+00 | 3.20E+00 | NA | No | No | No |
| E | Shallow | EGDEGW002 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW003 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW004 | Tin (Sn) | 7440315 | 5 | 0 | 5 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW005 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW006 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW007 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW008 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW009 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW010 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW011 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW012 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.80E+00 | 3.80E+00 | 3.80E+00 | NA | No | No | No |
| E | Shallow | EGDEGW013 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.10E+00 | 3.10E+00 | 3.10E+00 | NA | No | No | No |
| E | Shallow | EGDEGW014 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 3.16E+01 | NA | NA | NA | NA | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
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| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW015 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.93E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW016 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW017 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW018 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 3.28E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW019 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW020 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.00E+00 | 3.00E+00 | 3.00E+00 | NA | No | No | No |
| E | Shallow | EGDEGW021 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.10E+00 | 3.10E+00 | 3.10E+00 | NA | No | No | No |
| E | Shallow | EGDEGW022 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW023 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 9.70E+00 | 9.70E+00 | 9.70E+00 | NA | No | No | No |
| E | Shallow | EGDEGW024 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW025 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW026 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 1.40E+01 | 3.40E+00 | 3.40E+00 | 3.40E+00 | NA | No | No | No |
| E | Shallow | EGDEGW027 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW028 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW029 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW030 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | FGDEGW009 | Tin (Sn) | 7440315 | 2 | 0 | 2 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Shallow | EGDEGW001 | VANADIUM | 7440622 | 4 | 2 | 2 | 3.40E+00 | 8.20E-01 | 3.40E+00 | 2.11E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW002 | VANADIUM | 7440622 | 4 | 2 | 2 | 3.40E+00 | 2.30E+00 | 2.60E+00 | 2.45E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW003 | VANADIUM | 7440622 | 4 | 3 | 1 | 3.40E+00 | 8.90E-01 | 2.60E+00 | 1.53E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW004 | VANADIUM | 7440622 | 5 | 4 | 1 | 1.00E+00 | 3.20E+00 | 6.00E+00 | 4.30E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW005 | VANADIUM | 7440622 | 4 | 3 | 1 | 3.40E+00 | 1.20E+00 | 3.00E+00 | 2.03E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW006 | VANADIUM | 7440622 | 4 | 4 | 0 | NA | 1.10E+00 | 3.30E+00 | 2.13E+00 | 2.56E+02 | No | No | |
| E | Shallow | EGDEGW007 | VANADIUM | 7440622 | 4 | 3 | 1 | 2.70E+00 | 2.10E+00 | 1.38E+01 | 6.70E+00 | 2.56E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW008 | VANADIUM | 7440622 | 4 | 2 | 2 | 3.00E+00 | 2.10E+00 | 3.70E+00 | 2.90E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW009 | VANADIUM | 7440622 | 4 | 3 | 1 | 2.30E+00 | 1.20E+00 | 1.30E+00 | 1.23E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW010 | VANADIUM | 7440622 | 4 | 4 | 0 | NA | 2.20E+00 | 1.13E+01 | 5.85E+00 | 2.56E+02 | No | No | |
| E | Shallow | EGDEGW011 | VANADIUM | 7440622 | 4 | 3 | 1 | 2.90E+00 | 2.20E+00 | 7.80E+00 | 4.17E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW012 | VANADIUM | 7440622 | 4 | 3 | 1 | 2.80E+00 | 3.40E+00 | 4.20E+00 | 3.77E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW013 | VANADIUM | 7440622 | 4 | 2 | 2 | 1.40E+00 | 6.30E-01 | 1.00E+00 | 8.15E-01 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW014 | VANADIUM | 7440622 | 4 | 4 | 0 | NA | 1.90E+00 | 7.30E+00 | 4.65E+00 | 2.56E+02 | No | No | |
| E | Shallow | EGDEGW015 | VANADIUM | 7440622 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Shallow | EGDEGW016 | VANADIUM | 7440622 | 4 | 2 | 2 | 2.60E+00 | 6.60E-01 | 1.70E+00 | 1.18E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW017 | VANADIUM | 7440622 | 4 | 2 | 2 | 1.70E+00 | 7.40E-01 | 9.50E-01 | 8.45E-01 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW018 | VANADIUM | 7440622 | 4 | 2 | 2 | 3.30E+00 | 2.50E+00 | 5.00E+00 | 3.75E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW019 | VANADIUM | 7440622 | 4 | 4 | 0 | NA | 9.60E+00 | 1.96E+01 | 1.44E+01 | 2.56E+02 | No | No | |
| E | Shallow | EGDEGW020 | VANADIUM | 7440622 | 4 | 1 | 3 | 1.70E+00 | 8.70E-01 | 8.70E-01 | 8.70E-01 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW021 | VANADIUM | 7440622 | 4 | 2 | 2 | 1.30E+00 | 6.50E-01 | 1.90E+00 | 1.28E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW022 | VANADIUM | 7440622 | 4 | 3 | 1 | 3.40E+00 | 8.10E-01 | 3.10E+00 | 1.70E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW023 | VANADIUM | 7440622 | 4 | 4 | 0 | NA | 6.90E-01 | 4.90E+00 | 2.25E+00 | 2.56E+02 | No | No | |
| E | Shallow | EGDEGW024 | VANADIUM | 7440622 | 4 | 3 | 1 | 3.60E+00 | 9.10E-01 | 8.00E+00 | 3.74E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW025 | VANADIUM | 7440622 | 4 | 4 | 0 | NA | 1.30E+00 | 6.20E+00 | 3.75E+00 | 2.56E+02 | No | No | |
| E | Shallow | EGDEGW026 | VANADIUM | 7440622 | 4 | 2 | 2 | 1.10E+00 | 1.20E+00 | 2.60E+01 | 1.36E+01 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW027 | VANADIUM | 7440622 | 4 | 3 | 1 | 3.20E+00 | 2.80E+00 | 1.04E+01 | 5.77E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW028 | VANADIUM | 7440622 | 4 | 3 | 1 | 5.70E+00 | 4.60E+00 | 1.91E+01 | 1.03E+01 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW029 | VANADIUM | 7440622 | 4 | 3 | 1 | 1.50E+00 | 1.10E+00 | 1.26E+01 | 5.17E+00 | 2.56E+02 | No | No | No |
| E | Shallow | EGDEGW030 | VANADIUM | 7440622 | 4 | 1 | 3 | 1.10E+00 | 9.60E-01 | 9.60E-01 | 9.60E-01 | 2.56E+02 | No | No | No |
| E | Shallow | FGDEGW009 | VANADIUM | 7440622 | 2 | 1 | 1 | 2.30E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 2.56E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW001 | ZINC | 7440666 | 4 | 1 | 3 | 3.64E+01 | 2.73E+01 | 2.73E+01 | 2.73E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW002 | ZINC | 7440666 | 4 | 1 | 3 | 1.00E+01 | 8.00E+00 | 8.00E+00 | 8.00E+00 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW003 | ZINC | 7440666 | 4 | 2 | 2 | 1.21E+01 | 2.25E+01 | 2.67E+01 | 2.46E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW004 | ZINC | 7440666 | 5 | 1 | 4 | 1.72E+01 | 4.60E+00 | 4.60E+00 | 4.60E+00 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW005 | ZINC | 7440666 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW006 | ZINC | 7440666 | 4 | 0 | 4 | 3.13E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW007 | ZINC | 7440666 | 4 | 2 | 2 | 7.70E+00 | 9.50E+00 | 1.49E+01 | 1.22E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW008 | ZINC | 7440666 | 4 | 1 | 3 | 9.50E+00 | 9.30E+00 | 9.30E+00 | 9.30E+00 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW009 | ZINC | 7440666 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW010 | ZINC | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW011 | ZINC | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW012 | ZINC | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.71E+01 | 1.71E+01 | 1.71E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW013 | ZINC | 7440666 | 4 | 1 | 3 | 5.30E+00 | 6.60E+00 | 6.60E+00 | 6.60E+00 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW014 | ZINC | 7440666 | 4 | 0 | 4 | 2.16E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW015 | ZINC | 7440666 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW016 | ZINC | 7440666 | 4 | 0 | 4 | 8.90E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW017 | ZINC | 7440666 | 4 | 0 | 4 | 1.46E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW018 | ZINC | 7440666 | 4 | 3 | 1 | 4.17E+01 | 4.78E+01 | 1.41E+02 | 8.75E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW019 | ZINC | 7440666 | 4 | 0 | 4 | 5.76E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW020 | ZINC | 7440666 | 4 | 1 | 3 | 7.03E+01 | 3.02E+01 | 3.02E+01 | 3.02E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW021 | ZINC | 7440666 | 4 | 1 | 3 | 7.70E+00 | 1.14E+01 | 1.14E+01 | 1.14E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW022 | ZINC | 7440666 | 4 | 1 | 3 | 3.30E+01 | 1.73E+01 | 1.73E+01 | 1.73E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW023 | ZINC | 7440666 | 4 | 0 | 4 | 1.93E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW024 | ZINC | 7440666 | 4 | 0 | 4 | 3.95E+01 | NA | NA | NA | 5.00E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Shallow | EGDEGW025 | ZINC | 7440666 | 4 | 2 | 2 | 6.90E+00 | 6.10E+00 | 1.38E+01 | 9.95E+00 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW026 | ZINC | 7440666 | 4 | 1 | 3 | 3.77E+01 | 6.00E+00 | 6.00E+00 | 6.00E+00 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW027 | ZINC | 7440666 | 4 | 0 | 4 | 4.14E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | EGDEGW028 | ZINC | 7440666 | 4 | 1 | 3 | 3.27E+01 | 7.00E+00 | 7.00E+00 | 7.00E+00 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW029 | ZINC | 7440666 | 4 | 2 | 2 | 3.58E+01 | 6.20E+00 | 2.02E+01 | 1.32E+01 | 5.00E+03 | No | No | No |
| E | Shallow | EGDEGW030 | ZINC | 7440666 | 4 | 0 | 4 | 1.46E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Shallow | FGDEGW009 | ZINC | 7440666 | 2 | 0 | 2 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW01D | Aluminum | 7429905 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW02D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW03D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW04D | Aluminum | 7429905 | 4 | 2 | 2 | 1.80E+01 | 3.15E+01 | 1.55E+02 | 9.33E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW05D | Aluminum | 7429905 | 4 | 1 | 3 | 1.80E+01 | 3.19E+02 | 3.19E+02 | 3.19E+02 | 2.00E+02 | Yes | Yes | No |
| E | Deep | EGDEGW06D | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 1.18E+02 | 1.18E+02 | 1.18E+02 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW07D | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 3.24E+01 | 3.24E+01 | 3.24E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW08D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW09D | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 1.25E+02 | 1.25E+02 | 1.25E+02 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW10D | Aluminum | 7429905 | 4 | 1 | 3 | 1.80E+01 | 4.61E+02 | 4.61E+02 | 4.61E+02 | 2.00E+02 | Yes | Yes | No |
| E | Deep | EGDEGW11D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW12D | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 2.10E+01 | 2.10E+01 | 2.10E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW13D | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 4.35E+01 | 4.35E+01 | 4.35E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW14D | Aluminum | 7429905 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW15D | Aluminum | 7429905 | 4 | 0 | 4 | 2.30E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW16D | Aluminum | 7429905 | 4 | 1 | 3 | 5.50E+01 | 3.15E+01 | 3.15E+01 | 3.15E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW17D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
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| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW18D | Aluminum | 7429905 | 4 | 1 | 3 | 2.19E+01 | 2.48E+01 | 2.48E+01 | 2.48E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW19D | Aluminum | 7429905 | 4 | 2 | 2 | 3.00E+01 | 1.85E+01 | 3.51E+01 | 2.68E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW20D | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 2.16E+01 | 2.16E+01 | 2.16E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW21D | Aluminum | 7429905 | 4 | 1 | 3 | 3.00E+01 | 3.01E+01 | 3.01E+01 | 3.01E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW22D | Aluminum | 7429905 | 4 | 1 | 3 | 3.00E+01 | 3.44E+01 | 3.44E+01 | 3.44E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW23D | Aluminum | 7429905 | 4 | 2 | 2 | 2.30E+01 | 5.76E+01 | 2.29E+02 | 1.43E+02 | 2.00E+02 | Yes | No | No |
| E | Deep | EGDEGW24D | Aluminum | 7429905 | 4 | 1 | 3 | 3.00E+01 | 6.82E+01 | 6.82E+01 | 6.82E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW25D | Aluminum | 7429905 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW26D | Aluminum | 7429905 | 4 | 1 | 3 | 1.95E+01 | 4.23E+01 | 4.23E+01 | 4.23E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW27D | Aluminum | 7429905 | 4 | 0 | 4 | 2.30E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW28D | Aluminum | 7429905 | 4 | 1 | 3 | 3.34E+01 | 1.97E+01 | 1.97E+01 | 1.97E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW29D | Aluminum | 7429905 | 4 | 0 | 4 | 2.72E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW2D1 | Aluminum | 7429905 | 1 | 0 | 1 | 2.58E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | EGDEGW2DI | Aluminum | 7429905 | 2 | 1 | 1 | 4.73E+01 | 2.31E+01 | 2.31E+01 | 2.31E+01 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW30D | Aluminum | 7429905 | 4 | 0 | 4 | 2.15E+01 | NA | NA | NA | 2.00E+02 | | | No |
| E | Deep | FGDEGW09D | Aluminum | 7429905 | 2 | 1 | 1 | 2.50E+01 | 1.25E+02 | 1.25E+02 | 1.25E+02 | 2.00E+02 | No | No | No |
| E | Deep | EGDEGW01D | ANTIMONY | 7440360 | 4 | 0 | 4 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Deep | EGDEGW02D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW03D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW04D | ANTIMONY | 7440360 | 4 | 0 | 4 | 6.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW05D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW06D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW07D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW08D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW09D | ANTIMONY | 7440360 | 6 | 0 | 6 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW10D | ANTIMONY | 7440360 | 4 | 1 | 3 | 2.10E+00 | 4.50E+00 | 4.50E+00 | 4.50E+00 | 6.00E+00 | No | No | No |
| E | Deep | EGDEGW11D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW12D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW13D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW14D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW15D | ANTIMONY | 7440360 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW16D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW17D | ANTIMONY | 7440360 | 4 | 1 | 3 | 4.00E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 6.00E+00 | No | No | No |
| E | Deep | EGDEGW18D | ANTIMONY | 7440360 | 4 | 0 | 4 | 2.80E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW19D | ANTIMONY | 7440360 | 4 | 1 | 3 | 2.10E+00 | 6.80E+00 | 6.80E+00 | 6.80E+00 | 6.00E+00 | Yes | Yes | No |
| E | Deep | EGDEGW20D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW21D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW22D | ANTIMONY | 7440360 | 4 | 0 | 4 | 1.55E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Deep | EGDEGW23D | ANTIMONY | 7440360 | 4 | 0 | 4 | 2.14E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Deep | EGDEGW24D | ANTIMONY | 7440360 | 4 | 0 | 4 | 1.66E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Deep | EGDEGW25D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW26D | ANTIMONY | 7440360 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW27D | ANTIMONY | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW28D | ANTIMONY | 7440360 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW29D | ANTIMONY | 7440360 | 4 | 0 | 4 | 9.70E+00 | NA | NA | NA | 6.00E+00 | | | Yes |
| E | Deep | EGDEGW2D1 | ANTIMONY | 7440360 | 1 | 0 | 1 | 1.60E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW2DI | ANTIMONY | 7440360 | 2 | 0 | 2 | 3.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW30D | ANTIMONY | 7440360 | 4 | 0 | 4 | 2.40E+00 | NA | NA | NA | 6.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | FGDEGW09D | ANTIMONY | 7440360 | 2 | 0 | 2 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| E | Deep | EGDEGW01D | ARSENIC | 7440382 | 4 | 1 | 3 | 5.00E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW02D | ARSENIC | 7440382 | 4 | 3 | 1 | 2.50E+00 | 2.80E+00 | 5.00E+00 | 4.10E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW03D | ARSENIC | 7440382 | 4 | 2 | 2 | 5.00E+00 | 2.70E+00 | 3.10E+00 | 2.90E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW04D | ARSENIC | 7440382 | 4 | 1 | 3 | 5.00E+00 | 3.80E+00 | 3.80E+00 | 3.80E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW05D | ARSENIC | 7440382 | 4 | 2 | 2 | 5.00E+00 | 4.00E+00 | 5.00E+00 | 4.50E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW06D | ARSENIC | 7440382 | 4 | 2 | 2 | 5.00E+00 | 2.70E+00 | 3.70E+00 | 3.20E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW07D | ARSENIC | 7440382 | 4 | 3 | 1 | 1.26E+01 | 1.51E+01 | 1.32E+02 | 5.53E+01 | 5.00E+01 | Yes | Yes | No |
| E | Deep | EGDEGW08D | ARSENIC | 7440382 | 4 | 1 | 3 | 5.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW09D | ARSENIC | 7440382 | 6 | 6 | 0 | NA | 6.42E+01 | 8.55E+01 | 7.86E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW10D | ARSENIC | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW11D | ARSENIC | 7440382 | 4 | 1 | 3 | 6.30E+00 | 6.80E+00 | 6.80E+00 | 6.80E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW12D | ARSENIC | 7440382 | 4 | 2 | 2 | 1.38E+01 | 1.04E+01 | 1.64E+01 | 1.34E+01 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW13D | ARSENIC | 7440382 | 4 | 2 | 2 | 9.20E+00 | 5.50E+00 | 1.01E+01 | 7.80E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW14D | ARSENIC | 7440382 | 4 | 3 | 1 | 1.17E+01 | 5.40E+00 | 9.20E+00 | 7.50E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW15D | ARSENIC | 7440382 | 4 | 4 | 0 | NA | 2.91E+01 | 3.88E+01 | 3.49E+01 | 5.00E+01 | No | No | |
| E | Deep | EGDEGW16D | ARSENIC | 7440382 | 4 | 4 | 0 | NA | 6.20E+00 | 1.39E+01 | 1.04E+01 | 5.00E+01 | No | No | |
| E | Deep | EGDEGW17D | ARSENIC | 7440382 | 4 | 4 | 0 | NA | 4.00E+00 | 9.90E+00 | 7.05E+00 | 5.00E+01 | No | No | |
| E | Deep | EGDEGW18D | ARSENIC | 7440382 | 4 | 0 | 4 | 2.50E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW19D | ARSENIC | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW20D | ARSENIC | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW21D | ARSENIC | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW22D | ARSENIC | 7440382 | 4 | 1 | 3 | 5.00E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW23D | ARSENIC | 7440382 | 4 | 2 | 2 | 5.00E+00 | 2.90E+00 | 3.20E+00 | 3.05E+00 | 5.00E+01 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW24D | ARSENIC | 7440382 | 4 | 3 | 1 | 5.00E+00 | 1.14E+01 | 1.55E+01 | 1.31E+01 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW25D | ARSENIC | 7440382 | 4 | 1 | 3 | 5.00E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW26D | Arsenic | 7440382 | 4 | 1 | 3 | 2.10E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW27D | Arsenic | 7440382 | 4 | 0 | 4 | 2.50E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW28D | Arsenic | 7440382 | 4 | 4 | 0 | NA | 3.00E+00 | 7.10E+00 | 5.10E+00 | 5.00E+01 | No | No | |
| E | Deep | EGDEGW29D | Arsenic | 7440382 | 4 | 4 | 0 | NA | 3.20E+01 | 3.99E+01 | 3.57E+01 | 5.00E+01 | No | No | |
| E | Deep | EGDEGW2D1 | Arsenic | 7440382 | 1 | 1 | 0 | NA | 4.70E+00 | 4.70E+00 | 4.70E+00 | 5.00E+01 | No | No | |
| E | Deep | EGDEGW2DI | Arsenic | 7440382 | 2 | 2 | 0 | NA | 8.00E+00 | 8.80E+00 | 8.40E+00 | 5.00E+01 | No | No | |
| E | Deep | EGDEGW30D | Arsenic | 7440382 | 4 | 3 | 1 | 5.00E+00 | 3.60E+00 | 4.50E+00 | 4.07E+00 | 5.00E+01 | No | No | No |
| E | Deep | FGDEGW09D | Arsenic | 7440382 | 2 | 2 | 0 | NA | 6.42E+01 | 7.75E+01 | 7.09E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW01D | Barium | 7440393 | 4 | 2 | 2 | 1.23E+02 | 1.08E+02 | 1.11E+02 | 1.10E+02 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW02D | Barium | 7440393 | 4 | 3 | 1 | 7.73E+01 | 6.62E+01 | 7.06E+01 | 6.81E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW03D | Barium | 7440393 | 4 | 4 | 0 | NA | 7.67E+01 | 8.77E+01 | 8.21E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW04D | Barium | 7440393 | 4 | 4 | 0 | NA | 6.36E+01 | 7.63E+01 | 6.77E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW05D | Barium | 7440393 | 4 | 3 | 1 | 8.79E+01 | 7.97E+01 | 9.31E+01 | 8.73E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW06D | Barium | 7440393 | 4 | 3 | 1 | 1.80E+02 | 1.56E+02 | 1.71E+02 | 1.63E+02 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW07D | Barium | 7440393 | 4 | 2 | 2 | 1.01E+02 | 9.50E+01 | 9.72E+01 | 9.61E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW08D | Barium | 7440393 | 4 | 2 | 2 | 2.00E+02 | 1.79E+02 | 1.90E+02 | 1.85E+02 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW09D | Barium | 7440393 | 4 | 3 | 1 | 8.91E+01 | 9.45E+01 | 9.98E+01 | 9.68E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW10D | Barium | 7440393 | 4 | 4 | 0 | NA | 4.40E+01 | 1.83E+02 | 1.42E+02 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW11D | Barium | 7440393 | 4 | 3 | 1 | 1.37E+02 | 1.19E+02 | 1.35E+02 | 1.26E+02 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW12D | Barium | 7440393 | 4 | 4 | 0 | NA | 9.15E+01 | 1.20E+02 | 1.05E+02 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW13D | Barium | 7440393 | 4 | 3 | 1 | 6.25E+01 | 6.08E+01 | 6.57E+01 | 6.33E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW14D | Barium | 7440393 | 4 | 3 | 1 | 6.42E+01 | 5.79E+01 | 6.96E+01 | 6.55E+01 | 2.00E+03 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW15D | Barium | 7440393 | 4 | 4 | 0 | NA | 3.82E+01 | 4.16E+01 | 3.96E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW16D | Barium | 7440393 | 4 | 3 | 1 | 7.40E+01 | 6.75E+01 | 1.38E+02 | 1.11E+02 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW17D | Barium | 7440393 | 4 | 4 | 0 | NA | 5.39E+01 | 6.29E+01 | 5.88E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW18D | Barium | 7440393 | 4 | 3 | 1 | 3.17E+01 | 2.82E+01 | 4.99E+01 | 3.91E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW19D | Barium | 7440393 | 4 | 3 | 1 | 1.12E+01 | 1.18E+01 | 1.21E+01 | 1.20E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW20D | Barium | 7440393 | 4 | 4 | 0 | NA | 2.68E+01 | 3.20E+01 | 2.96E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW21D | Barium | 7440393 | 4 | 3 | 1 | 5.12E+01 | 4.42E+01 | 4.87E+01 | 4.71E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW22D | Barium | 7440393 | 4 | 3 | 1 | 2.70E+02 | 1.42E+02 | 2.21E+02 | 1.82E+02 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW23D | Barium | 7440393 | 4 | 4 | 0 | NA | 2.29E+02 | 3.22E+02 | 2.65E+02 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW24D | Barium | 7440393 | 4 | 3 | 1 | 1.58E+02 | 1.41E+02 | 1.46E+02 | 1.43E+02 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW25D | Barium | 7440393 | 4 | 3 | 1 | 3.35E+01 | 2.89E+01 | 3.14E+01 | 3.01E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW26D | Barium | 7440393 | 4 | 4 | 0 | NA | 1.19E+01 | 1.24E+01 | 1.22E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW27D | Barium | 7440393 | 4 | 4 | 0 | NA | 4.49E+01 | 5.65E+01 | 4.99E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW28D | Barium | 7440393 | 4 | 4 | 0 | NA | 2.01E+01 | 4.40E+01 | 2.79E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW29D | Barium | 7440393 | 4 | 4 | 0 | NA | 4.07E+01 | 6.22E+01 | 5.30E+01 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW2D1 | Barium | 7440393 | 1 | 1 | 0 | NA | 1.19E+02 | 1.19E+02 | 1.19E+02 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW2DI | Barium | 7440393 | 2 | 2 | 0 | NA | 1.27E+02 | 1.46E+02 | 1.37E+02 | 2.00E+03 | No | No | |
| E | Deep | EGDEGW30D | Barium | 7440393 | 4 | 4 | 0 | NA | 2.71E+01 | 3.51E+01 | 2.95E+01 | 2.00E+03 | No | No | |
| E | Deep | FGDEGW09D | Barium | 7440393 | 2 | 1 | 1 | 8.91E+01 | 9.60E+01 | 9.60E+01 | 9.60E+01 | 2.00E+03 | No | No | No |
| E | Deep | EGDEGW01D | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 4.90E-01 | 6.30E-01 | 5.60E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW02D | Beryllium | 7440417 | 4 | 3 | 1 | 1.00E+00 | 3.10E-01 | 7.00E-01 | 5.13E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW03D | Beryllium | 7440417 | 4 | 2 | 2 | 1.10E+00 | 8.40E-01 | 9.80E-01 | 9.10E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW04D | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 3.90E-01 | 4.90E-01 | 4.40E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW05D | Beryllium | 7440417 | 4 | 3 | 1 | 1.00E+00 | 7.90E-01 | 1.20E+00 | 9.97E-01 | 4.00E+00 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW06D | Beryllium | 7440417 | 4 | 2 | 2 | 1.30E+00 | 1.10E+00 | 1.30E+00 | 1.20E+00 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW07D | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 9.80E-01 | 1.20E+00 | 1.09E+00 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW08D | Beryllium | 7440417 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW09D | Beryllium | 7440417 | 6 | 1 | 5 | 1.20E+00 | 6.00E-01 | 6.00E-01 | 6.00E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW10D | Beryllium | 7440417 | 4 | 0 | 4 | 1.90E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW11D | Beryllium | 7440417 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW12D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW13D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.40E-01 | 3.40E-01 | 3.40E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW14D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW15D | Beryllium | 7440417 | 4 | 0 | 4 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW16D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW17D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.30E-01 | 3.30E-01 | 3.30E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW18D | Beryllium | 7440417 | 4 | 3 | 1 | 3.50E-01 | 3.10E-01 | 3.90E-01 | 3.57E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW19D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW20D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW21D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.80E-01 | 3.80E-01 | 3.80E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW22D | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 3.90E-01 | 4.60E-01 | 4.25E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW23D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 6.10E-01 | 6.10E-01 | 6.10E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW24D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW25D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.10E-01 | 3.10E-01 | 3.10E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW26D | Beryllium | 7440417 | 4 | 1 | 3 | 4.20E-01 | 2.30E-01 | 2.30E-01 | 2.30E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW27D | Beryllium | 7440417 | 4 | 1 | 3 | 4.10E-01 | 3.60E-01 | 3.60E-01 | 3.60E-01 | 4.00E+00 | No | No | No |
| E | Deep | EGDEGW28D | Beryllium | 7440417 | 4 | 0 | 4 | 4.30E-01 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW29D | Beryllium | 7440417 | 4 | 0 | 4 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW2D1 | Beryllium | 7440417 | 1 | 0 | 1 | 2.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW2DI | Beryllium | 7440417 | 2 | 0 | 2 | 3.30E-01 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW30D | Beryllium | 7440417 | 4 | 1 | 3 | 2.00E-01 | 3.70E-01 | 3.70E-01 | 3.70E-01 | 4.00E+00 | No | No | No |
| E | Deep | FGDEGW09D | Beryllium | 7440417 | 2 | 0 | 2 | 1.20E+00 | NA | NA | NA | 4.00E+00 | | | No |
| E | Deep | EGDEGW01D | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW02D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW03D | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 6.10E-01 | 6.10E-01 | 6.10E-01 | 5.00E+00 | No | No | No |
| E | Deep | EGDEGW04D | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 6.10E-01 | 6.10E-01 | 6.10E-01 | 5.00E+00 | No | No | No |
| E | Deep | EGDEGW05D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW06D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW07D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW08D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW09D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW10D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW11D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW12D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW13D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW14D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW15D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW16D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW17D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW18D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW19D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW20D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW21D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW22D | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW23D | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW24D | Cadmium | 7440439 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW25D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW26D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW27D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW28D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW29D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW2D1 | Cadmium | 7440439 | 1 | 0 | 1 | 3.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW2DI | Cadmium | 7440439 | 2 | 0 | 2 | 3.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW30D | Cadmium | 7440439 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | FGDEGW09D | Cadmium | 7440439 | 2 | 0 | 2 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| E | Deep | EGDEGW01D | Calcium | 7440702 | 4 | 3 | 1 | 3.57E+05 | 3.32E+05 | 3.57E+05 | 3.43E+05 | NA | No | No | No |
| E | Deep | EGDEGW02D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.57E+05 | 1.81E+05 | 1.68E+05 | NA | No | No | |
| E | Deep | EGDEGW03D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.53E+05 | 3.32E+05 | 2.81E+05 | NA | No | No | |
| E | Deep | EGDEGW04D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.18E+05 | 2.47E+05 | 2.28E+05 | NA | No | No | |
| E | Deep | EGDEGW05D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.80E+05 | 2.38E+05 | 2.07E+05 | NA | No | No | |
| E | Deep | EGDEGW06D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.27E+05 | 2.51E+05 | 2.38E+05 | NA | No | No | |
| E | Deep | EGDEGW07D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.02E+05 | 3.50E+05 | 2.56E+05 | NA | No | No | |
| E | Deep | EGDEGW08D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.12E+05 | 2.45E+05 | 2.27E+05 | NA | No | No | |
| E | Deep | EGDEGW09D | Calcium | 7440702 | 4 | 4 | 0 | NA | 3.05E+05 | 3.91E+05 | 3.36E+05 | NA | No | No | |
| E | Deep | EGDEGW10D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.03E+05 | 2.33E+05 | 1.87E+05 | NA | No | No | |
| E | Deep | EGDEGW11D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.81E+05 | 1.93E+05 | 1.90E+05 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW12D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.01E+05 | 1.30E+05 | 1.12E+05 | NA | No | No | |
| E | Deep | EGDEGW13D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.10E+05 | 2.21E+05 | 2.14E+05 | NA | No | No | |
| E | Deep | EGDEGW14D | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.42E+04 | 9.40E+04 | 8.11E+04 | NA | No | No | |
| E | Deep | EGDEGW15D | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.58E+04 | 6.14E+04 | 5.53E+04 | NA | NA | NA | |
| E | Deep | EGDEGW16D | Calcium | 7440702 | 4 | 4 | 0 | NA | 6.86E+04 | 1.14E+05 | 8.99E+04 | NA | No | No | |
| E | Deep | EGDEGW17D | Calcium | 7440702 | 4 | 4 | 0 | NA | 6.62E+04 | 7.78E+04 | 7.26E+04 | NA | No | No | |
| E | Deep | EGDEGW18D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.53E+05 | 1.64E+05 | 1.58E+05 | NA | No | No | |
| E | Deep | EGDEGW19D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.05E+05 | 1.12E+05 | 1.08E+05 | NA | No | No | |
| E | Deep | EGDEGW20D | Calcium | 7440702 | 4 | 4 | 0 | NA | 6.87E+04 | 7.57E+04 | 7.22E+04 | NA | No | No | |
| E | Deep | EGDEGW21D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.76E+05 | 1.94E+05 | 1.83E+05 | NA | No | No | |
| E | Deep | EGDEGW22D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.29E+05 | 1.62E+05 | 1.47E+05 | NA | No | No | |
| E | Deep | EGDEGW23D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.84E+05 | 2.10E+05 | 1.98E+05 | NA | No | No | |
| E | Deep | EGDEGW24D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.25E+05 | 2.52E+05 | 2.41E+05 | NA | No | No | |
| E | Deep | EGDEGW25D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.43E+05 | 1.51E+05 | 1.46E+05 | NA | No | No | |
| E | Deep | EGDEGW26D | Calcium | 7440702 | 4 | 4 | 0 | NA | 5.73E+04 | 5.85E+04 | 5.79E+04 | NA | No | No | |
| E | Deep | EGDEGW27D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.18E+05 | 1.67E+05 | 1.38E+05 | NA | No | No | |
| E | Deep | EGDEGW28D | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.44E+04 | 5.98E+04 | 5.22E+04 | NA | No | No | |
| E | Deep | EGDEGW29D | Calcium | 7440702 | 4 | 4 | 0 | NA | 4.64E+04 | 5.91E+04 | 5.28E+04 | NA | No | No | |
| E | Deep | EGDEGW2D1 | Calcium | 7440702 | 1 | 1 | 0 | NA | 1.42E+05 | 1.42E+05 | 1.42E+05 | NA | No | No | |
| E | Deep | EGDEGW2DI | Calcium | 7440702 | 2 | 2 | 0 | NA | 1.46E+05 | 1.66E+05 | 1.56E+05 | NA | No | No | |
| E | Deep | EGDEGW30D | Calcium | 7440702 | 4 | 4 | 0 | NA | 5.36E+04 | 6.02E+04 | 5.76E+04 | NA | No | No | |
| E | Deep | FGDEGW09D | Calcium | 7440702 | 2 | 2 | 0 | NA | 3.05E+05 | 3.26E+05 | 3.16E+05 | NA | No | No | |
| E | Deep | EGDEGW01D | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW02D | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.00E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW03D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 9.70E-01 | 1.30E+00 | 1.14E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW04D | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.00E+00 | 8.90E-01 | 8.90E-01 | 8.90E-01 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW05D | Chromium, Total | 7440473 | 4 | 3 | 1 | 9.50E-01 | 1.50E+00 | 2.80E+00 | 1.93E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW06D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 1.80E+00 | 2.90E+00 | 2.35E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW07D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 1.01E+01 | 2.71E+01 | 1.86E+01 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW08D | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW09D | Chromium, Total | 7440473 | 6 | 1 | 5 | 1.00E+00 | 8.10E-01 | 8.10E-01 | 8.10E-01 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW10D | Chromium, Total | 7440473 | 4 | 1 | 3 | 3.20E+00 | 6.80E+00 | 6.80E+00 | 6.80E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW11D | Chromium, Total | 7440473 | 4 | 2 | 2 | 6.50E+00 | 2.00E+00 | 3.80E+00 | 2.90E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW12D | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW13D | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.00E+00 | 8.30E-01 | 8.30E-01 | 8.30E-01 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW14D | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.20E+00 | 5.30E+00 | 5.30E+00 | 5.30E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW15D | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW16D | Chromium, | 7440473 | 4 | 1 | 3 | 1.10E+00 | 9.40E-01 | 9.40E-01 | 9.40E-01 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| | | | Total | | | | | | | | | | | | |
| E | Deep | EGDEGW17D | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW18D | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW19D | Chromium, Total | 7440473 | 4 | 1 | 3 | 9.50E-01 | 1.50E+00 | 1.50E+00 | 1.50E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW20D | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.00E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW21D | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW22D | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.20E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW23D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 1.40E+00 | 1.55E+01 | 8.45E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW24D | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW25D | Chromium, Total | 7440473 | 4 | 1 | 3 | 4.40E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW26D | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW27D | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW28D | Chromium, Total | 7440473 | 4 | 3 | 1 | 5.00E+00 | 1.40E+00 | 2.40E+00 | 1.83E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW29D | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW2D1 | Chromium, Total | 7440473 | 1 | 0 | 1 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW2DI | Chromium, Total | 7440473 | 2 | 0 | 2 | 1.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW30D | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | FGDEGW09D | Chromium, Total | 7440473 | 2 | 0 | 2 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW01D | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW02D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW03D | Cobalt | 7440484 | 4 | 4 | 0 | NA | 2.90E+00 | 1.03E+01 | 6.65E+00 | 2.19E+03 | No | No | |
| E | Deep | EGDEGW04D | Cobalt | 7440484 | 4 | 2 | 2 | 9.70E-01 | 1.20E+00 | 2.30E+00 | 1.75E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW05D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW06D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW07D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW08D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW09D | Cobalt | 7440484 | 4 | 4 | 0 | NA | 1.02E+01 | 1.42E+01 | 1.21E+01 | 2.19E+03 | No | No | |
| E | Deep | EGDEGW10D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW11D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW12D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW13D | Cobalt | 7440484 | 4 | 4 | 0 | NA | 2.80E+00 | 1.29E+01 | 9.38E+00 | 2.19E+03 | No | No | |
| E | Deep | EGDEGW14D | Cobalt | 7440484 | 4 | 2 | 2 | 5.00E+00 | 2.20E+00 | 2.60E+00 | 2.40E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW15D | Cobalt | 7440484 | 4 | 0 | 4 | 9.00E-01 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW16D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW17D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW18D | Cobalt | 7440484 | 4 | 0 | 4 | 9.00E-01 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW19D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW20D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW21D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW22D | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW23D | Cobalt | 7440484 | 4 | 1 | 3 | 5.20E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW24D | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW25D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW26D | Cobalt | 7440484 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW27D | Cobalt | 7440484 | 4 | 0 | 4 | 9.00E-01 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW28D | Cobalt | 7440484 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW29D | Cobalt | 7440484 | 4 | 2 | 2 | 2.40E+00 | 1.40E+00 | 2.90E+00 | 2.15E+00 | 2.19E+03 | No | No | No |
| E | Deep | EGDEGW2D1 | Cobalt | 7440484 | 1 | 0 | 1 | 8.00E-01 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW2DI | Cobalt | 7440484 | 2 | 0 | 2 | 8.00E-01 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | EGDEGW30D | Cobalt | 7440484 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.19E+03 | | | No |
| E | Deep | FGDEGW09D | Cobalt | 7440484 | 2 | 2 | 0 | NA | 1.02E+01 | 1.42E+01 | 1.22E+01 | 2.19E+03 | No | No | |
| E | Deep | EGDEGW01D | Copper | 7440508 | 4 | 1 | 3 | 4.40E+00 | 7.80E-01 | 7.80E-01 | 7.80E-01 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW02D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW03D | Copper | 7440508 | 4 | 1 | 3 | 3.00E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW04D | Copper | 7440508 | 4 | 2 | 2 | 3.10E+00 | 6.00E-01 | 8.50E-01 | 7.25E-01 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW05D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW06D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW07D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW08D | Copper | 7440508 | 4 | 0 | 4 | 4.70E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW09D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW10D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW11D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW12D | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 5.70E+00 | 5.70E+00 | 5.70E+00 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW13D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW14D | Copper | 7440508 | 4 | 0 | 4 | 3.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW15D | Copper | 7440508 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW16D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW17D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW18D | Copper | 7440508 | 4 | 0 | 4 | 3.80E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW19D | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW20D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW21D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW22D | Copper | 7440508 | 4 | 1 | 3 | 9.60E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW23D | Copper | 7440508 | 4 | 1 | 3 | 4.30E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW24D | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW25D | Copper | 7440508 | 4 | 0 | 4 | 2.51E+01 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW26D | Copper | 7440508 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW27D | Copper | 7440508 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW28D | Copper | 7440508 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW29D | Copper | 7440508 | 4 | 1 | 3 | 1.40E+00 | 3.10E+00 | 3.10E+00 | 3.10E+00 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW2D1 | Copper | 7440508 | 1 | 0 | 1 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW2DI | Copper | 7440508 | 2 | 1 | 1 | 1.40E+00 | 3.70E+00 | 3.70E+00 | 3.70E+00 | 1.30E+03 | No | No | No |
| E | Deep | EGDEGW30D | Copper | 7440508 | 4 | 1 | 3 | 1.40E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 1.30E+03 | No | No | No |
| E | Deep | FGDEGW09D | Copper | 7440508 | 2 | 0 | 2 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| E | Deep | EGDEGW01D | Iron | 7439896 | 4 | 2 | 2 | 3.20E+01 | 7.70E+01 | 8.60E+01 | 8.15E+01 | 3.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW02D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.91E+03 | 4.56E+03 | 4.22E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW03D | Iron | 7439896 | 4 | 4 | 0 | NA | 4.03E+02 | 3.45E+03 | 1.32E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW04D | Iron | 7439896 | 4 | 3 | 1 | 3.20E+01 | 5.83E+01 | 4.21E+02 | 1.90E+02 | 3.00E+02 | Yes | No | No |
| E | Deep | EGDEGW05D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.38E+01 | 3.32E+02 | 1.48E+02 | 3.00E+02 | Yes | No | |
| E | Deep | EGDEGW06D | Iron | 7439896 | 4 | 3 | 1 | 2.00E+01 | 6.77E+01 | 1.73E+02 | 1.05E+02 | 3.00E+02 | No | No | No |
| E | Deep | EGDEGW07D | Iron | 7439896 | 4 | 4 | 0 | NA | 5.64E+03 | 2.60E+04 | 1.13E+04 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW08D | Iron | 7439896 | 4 | 0 | 4 | 8.03E+01 | NA | NA | NA | 3.00E+02 | | | No |
| E | Deep | EGDEGW09D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.23E+04 | 1.83E+04 | 1.43E+04 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW10D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.60E+03 | 3.60E+03 | 2.77E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW11D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.82E+03 | 3.64E+03 | 3.07E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW12D | Iron | 7439896 | 4 | 4 | 0 | NA | 6.07E+03 | 9.63E+03 | 7.30E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW13D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.61E+03 | 5.99E+03 | 4.37E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW14D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.24E+03 | 2.17E+03 | 1.66E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW15D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.02E+03 | 3.07E+03 | 2.58E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW16D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.33E+03 | 6.13E+03 | 4.06E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW17D | Iron | 7439896 | 4 | 4 | 0 | NA | 5.80E+02 | 7.98E+02 | 6.96E+02 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW18D | Iron | 7439896 | 4 | 3 | 1 | 1.10E+02 | 5.00E+02 | 5.30E+03 | 2.64E+03 | 3.00E+02 | Yes | Yes | No |
| E | Deep | EGDEGW19D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.60E+02 | 3.60E+02 | 2.33E+02 | 3.00E+02 | Yes | No | |
| E | Deep | EGDEGW20D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.99E+02 | 4.24E+02 | 3.68E+02 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW21D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.46E+02 | 1.32E+03 | 7.90E+02 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW22D | Iron | 7439896 | 4 | 0 | 4 | 3.77E+01 | NA | NA | NA | 3.00E+02 | | | No |
| E | Deep | EGDEGW23D | Iron | 7439896 | 4 | 3 | 1 | 3.20E+01 | 1.92E+01 | 3.88E+02 | 2.10E+02 | 3.00E+02 | Yes | No | No |
| E | Deep | EGDEGW24D | Iron | 7439896 | 4 | 1 | 3 | 7.12E+01 | 4.26E+01 | 4.26E+01 | 4.26E+01 | 3.00E+02 | No | No | No |
| E | Deep | EGDEGW25D | Iron | 7439896 | 4 | 4 | 0 | NA | 5.41E+02 | 6.60E+02 | 6.27E+02 | 3.00E+02 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW26D | Iron | 7439896 | 4 | 2 | 2 | 9.06E+01 | 4.66E+01 | 8.34E+01 | 6.50E+01 | 3.00E+02 | No | No | No |
| E | Deep | EGDEGW27D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.43E+03 | 2.88E+03 | 2.70E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW28D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.98E+03 | 4.50E+03 | 3.76E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW29D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.26E+04 | 1.69E+04 | 1.47E+04 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW2D1 | Iron | 7439896 | 1 | 1 | 0 | NA | 3.39E+03 | 3.39E+03 | 3.39E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW2DI | Iron | 7439896 | 2 | 2 | 0 | NA | 3.16E+03 | 4.26E+03 | 3.71E+03 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW30D | Iron | 7439896 | 4 | 3 | 1 | 3.15E+02 | 1.91E+02 | 2.67E+02 | 2.20E+02 | 3.00E+02 | No | No | Yes |
| E | Deep | FGDEGW09D | Iron | 7439896 | 2 | 2 | 0 | NA | 1.23E+04 | 1.35E+04 | 1.29E+04 | 3.00E+02 | Yes | Yes | |
| E | Deep | EGDEGW01D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW02D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW03D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW04D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW05D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW06D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW07D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW08D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW09D | Lead | 7439921 | 6 | 0 | 6 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW10D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW11D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW12D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW13D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW14D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW15D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW16D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW17D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW18D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW19D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW20D | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.10E+00 | 2.10E+00 | 2.10E+00 | 1.50E+01 | No | No | No |
| E | Deep | EGDEGW21D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW22D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW23D | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 1.50E+01 | No | No | No |
| E | Deep | EGDEGW24D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW25D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW26D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW27D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW28D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW29D | Lead | 7439921 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW2D1 | Lead | 7439921 | 1 | 0 | 1 | 9.00E-01 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW2DI | Lead | 7439921 | 2 | 0 | 2 | 9.90E-01 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW30D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | FGDEGW09D | Lead | 7439921 | 2 | 0 | 2 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| E | Deep | EGDEGW01D | Magnesium | 7439954 | 4 | 3 | 1 | 2.46E+05 | 2.18E+05 | 2.58E+05 | 2.39E+05 | NA | No | No | No |
| E | Deep | EGDEGW02D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.61E+05 | 3.84E+05 | 3.72E+05 | NA | No | No | |
| E | Deep | EGDEGW03D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.92E+05 | 8.12E+05 | 7.41E+05 | NA | No | No | |
| E | Deep | EGDEGW04D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.41E+05 | 2.81E+05 | 2.60E+05 | NA | No | No | |
| E | Deep | EGDEGW05D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.62E+05 | 7.88E+05 | 7.07E+05 | NA | No | No | |
| E | Deep | EGDEGW06D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.23E+05 | 1.13E+06 | 9.66E+05 | NA | No | No | |
| E | Deep | EGDEGW07D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.44E+05 | 1.37E+06 | 1.01E+06 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW08D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.63E+05 | 6.88E+05 | 6.35E+05 | NA | No | No | |
| E | Deep | EGDEGW09D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.53E+05 | 9.91E+05 | 8.21E+05 | NA | No | No | |
| E | Deep | EGDEGW10D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.83E+05 | 1.25E+06 | 9.23E+05 | NA | No | No | |
| E | Deep | EGDEGW11D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.38E+05 | 9.92E+05 | 9.21E+05 | NA | No | No | |
| E | Deep | EGDEGW12D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 9.01E+04 | 1.39E+05 | 1.12E+05 | NA | No | No | |
| E | Deep | EGDEGW13D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.12E+04 | 3.38E+04 | 3.21E+04 | NA | No | No | |
| E | Deep | EGDEGW14D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 9.01E+04 | 1.22E+05 | 1.03E+05 | NA | No | No | |
| E | Deep | EGDEGW15D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.24E+04 | 1.34E+04 | 1.28E+04 | NA | No | No | |
| E | Deep | EGDEGW16D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.41E+04 | 1.37E+05 | 7.88E+04 | NA | No | No | |
| E | Deep | EGDEGW17D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.24E+03 | 7.56E+03 | 7.13E+03 | NA | No | No | |
| E | Deep | EGDEGW18D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.07E+04 | 1.59E+04 | 1.33E+04 | NA | No | No | |
| E | Deep | EGDEGW19D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.08E+03 | 7.47E+03 | 7.26E+03 | NA | No | No | |
| E | Deep | EGDEGW20D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 9.00E+03 | 9.86E+03 | 9.47E+03 | NA | No | No | |
| E | Deep | EGDEGW21D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.89E+04 | 2.11E+04 | 1.97E+04 | NA | No | No | |
| E | Deep | EGDEGW22D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.22E+05 | 2.63E+05 | 2.48E+05 | NA | No | No | |
| E | Deep | EGDEGW23D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.42E+05 | 4.10E+05 | 3.74E+05 | NA | No | No | |
| E | Deep | EGDEGW24D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.15E+05 | 3.75E+05 | 3.49E+05 | NA | No | No | |
| E | Deep | EGDEGW25D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.62E+04 | 2.86E+04 | 2.71E+04 | NA | No | No | |
| E | Deep | EGDEGW26D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.19E+03 | 3.43E+03 | 3.30E+03 | NA | No | No | |
| E | Deep | EGDEGW27D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.12E+04 | 1.67E+04 | 1.30E+04 | NA | No | No | |
| E | Deep | EGDEGW28D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.01E+04 | 1.27E+04 | 1.16E+04 | NA | No | No | |
| E | Deep | EGDEGW29D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.01E+04 | 2.29E+04 | 2.17E+04 | NA | No | No | |
| E | Deep | EGDEGW2D1 | Magnesium | 7439954 | 1 | 1 | 0 | NA | 2.25E+05 | 2.25E+05 | 2.25E+05 | NA | No | No | |
| E | Deep | EGDEGW2DI | Magnesium | 7439954 | 2 | 2 | 0 | NA | 2.34E+05 | 2.55E+05 | 2.45E+05 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW30D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 4.03E+03 | 4.95E+03 | 4.45E+03 | NA | No | No | |
| E | Deep | FGDEGW09D | Magnesium | 7439954 | 2 | 2 | 0 | NA | 7.53E+05 | 7.88E+05 | 7.71E+05 | NA | No | No | |
| E | Deep | EGDEGW01D | Manganese | 7439965 | 4 | 3 | 1 | 8.65E+02 | 6.37E+02 | 7.40E+02 | 6.94E+02 | 5.00E+01 | Yes | Yes | Yes |
| E | Deep | EGDEGW02D | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.65E+02 | 3.45E+02 | 3.07E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW03D | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.99E+02 | 9.00E+02 | 6.99E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW04D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.44E+02 | 4.02E+02 | 3.64E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW05D | Manganese | 7439965 | 4 | 4 | 0 | NA | 6.32E+01 | 9.02E+01 | 7.52E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW06D | Manganese | 7439965 | 4 | 3 | 1 | 4.30E+00 | 1.30E+00 | 1.01E+01 | 5.33E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW07D | Manganese | 7439965 | 4 | 4 | 0 | NA | 7.54E+01 | 1.66E+03 | 4.74E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW08D | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.66E+01 | 1.06E+02 | 7.64E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW09D | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.91E+02 | 7.93E+02 | 6.72E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW10D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.24E+01 | 2.63E+02 | 9.52E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW11D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.60E+01 | 6.56E+01 | 5.46E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW12D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.20E+02 | 4.16E+02 | 3.48E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW13D | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.81E+02 | 8.34E+02 | 7.67E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW14D | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.06E+02 | 5.27E+02 | 4.80E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW15D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.23E+02 | 1.44E+02 | 1.33E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW16D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.00E+02 | 2.12E+02 | 1.54E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW17D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.04E+02 | 1.30E+02 | 1.20E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW18D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.45E+02 | 2.97E+02 | 2.20E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW19D | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.06E+01 | 5.31E+01 | 4.61E+01 | 5.00E+01 | Yes | No | |
| E | Deep | EGDEGW20D | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.34E+01 | 1.01E+02 | 9.68E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW21D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.06E+02 | 1.68E+02 | 1.28E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW22D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.23E+02 | 5.51E+02 | 4.19E+02 | 5.00E+01 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW23D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.66E+02 | 2.05E+02 | 1.86E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW24D | Manganese | 7439965 | 4 | 4 | 0 | NA | 6.15E+02 | 6.86E+02 | 6.41E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW25D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.26E+02 | 3.74E+02 | 3.50E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW26D | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.53E+01 | 6.42E+01 | 5.25E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW27D | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.02E+02 | 2.45E+02 | 2.15E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW28D | Manganese | 7439965 | 4 | 4 | 0 | NA | 6.08E+01 | 1.42E+02 | 8.88E+01 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW29D | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.45E+01 | 3.31E+02 | 2.02E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW2D1 | Manganese | 7439965 | 1 | 1 | 0 | NA | 4.42E+02 | 4.42E+02 | 4.42E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW2DI | Manganese | 7439965 | 2 | 2 | 0 | NA | 4.15E+02 | 4.58E+02 | 4.37E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW30D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.78E+02 | 2.85E+02 | 2.17E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | FGDEGW09D | Manganese | 7439965 | 2 | 2 | 0 | NA | 5.91E+02 | 6.65E+02 | 6.28E+02 | 5.00E+01 | Yes | Yes | |
| E | Deep | EGDEGW01D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW02D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW03D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW04D | Mercury | 7439976 | 4 | 2 | 2 | 1.00E-01 | 1.10E-01 | 2.00E-01 | 1.55E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW05D | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.20E-01 | 1.20E-01 | 1.20E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW06D | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.20E-01 | 1.20E-01 | 1.20E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW07D | Mercury | 7439976 | 4 | 0 | 4 | 2.80E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW08D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW09D | Mercury | 7439976 | 6 | 0 | 6 | 2.10E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW10D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW11D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW12D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW13D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW14D | Mercury | 7439976 | 4 | 0 | 4 | 2.20E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW15D | Mercury | 7439976 | 4 | 0 | 4 | 2.20E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW16D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW17D | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 2.00E-01 | 2.00E-01 | 2.00E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW18D | Mercury | 7439976 | 4 | 0 | 4 | 2.90E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW19D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW20D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW21D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW22D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW23D | Mercury | 7439976 | 4 | 2 | 2 | 2.00E-01 | 1.20E-01 | 2.00E-01 | 1.60E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW24D | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW25D | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.70E-01 | 1.70E-01 | 1.70E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW26D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW27D | Mercury | 7439976 | 4 | 1 | 3 | 1.00E-01 | 1.10E-01 | 1.10E-01 | 1.10E-01 | 2.00E+00 | No | No | No |
| E | Deep | EGDEGW28D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW29D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW2D1 | Mercury | 7439976 | 1 | 0 | 1 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW2DI | Mercury | 7439976 | 2 | 2 | 0 | NA | 1.10E-01 | 1.20E-01 | 1.15E-01 | 2.00E+00 | No | No | |
| E | Deep | EGDEGW30D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | FGDEGW09D | Mercury | 7439976 | 2 | 0 | 2 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| E | Deep | EGDEGW01D | Nickel | 7440020 | 4 | 2 | 2 | 2.50E+00 | 1.70E+00 | 2.50E+00 | 2.10E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW02D | Nickel | 7440020 | 4 | 3 | 1 | 2.50E+00 | 2.60E+00 | 1.14E+01 | 5.57E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW03D | Nickel | 7440020 | 4 | 4 | 0 | NA | 1.54E+01 | 2.95E+01 | 2.14E+01 | 1.00E+02 | No | No | |
| E | Deep | EGDEGW04D | Nickel | 7440020 | 4 | 4 | 0 | NA | 3.30E+00 | 4.60E+00 | 4.08E+00 | 1.00E+02 | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW05D | Nickel | 7440020 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW06D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW07D | Nickel | 7440020 | 4 | 3 | 1 | 8.00E-01 | 2.70E+00 | 1.23E+01 | 6.80E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW08D | Nickel | 7440020 | 4 | 0 | 4 | 2.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW09D | Nickel | 7440020 | 4 | 4 | 0 | NA | 3.60E+01 | 4.59E+01 | 4.10E+01 | 1.00E+02 | No | No | |
| E | Deep | EGDEGW10D | Nickel | 7440020 | 4 | 2 | 2 | 1.20E+00 | 1.30E+00 | 1.70E+00 | 1.50E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW11D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW12D | Nickel | 7440020 | 4 | 4 | 0 | NA | 2.50E+00 | 5.50E+00 | 3.65E+00 | 1.00E+02 | No | No | |
| E | Deep | EGDEGW13D | Nickel | 7440020 | 4 | 4 | 0 | NA | 5.40E+00 | 1.11E+01 | 7.75E+00 | 1.00E+02 | No | No | |
| E | Deep | EGDEGW14D | Nickel | 7440020 | 4 | 4 | 0 | NA | 3.80E+00 | 8.50E+00 | 5.75E+00 | 1.00E+02 | No | No | |
| E | Deep | EGDEGW15D | Nickel | 7440020 | 4 | 0 | 4 | 1.80E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW16D | Nickel | 7440020 | 4 | 2 | 2 | 2.60E+00 | 1.70E+00 | 1.80E+00 | 1.75E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW17D | Nickel | 7440020 | 4 | 1 | 3 | 1.20E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW18D | Nickel | 7440020 | 4 | 0 | 4 | 9.90E-01 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW19D | Nickel | 7440020 | 4 | 1 | 3 | 1.60E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW20D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW21D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW22D | Nickel | 7440020 | 4 | 1 | 3 | 5.30E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW23D | Nickel | 7440020 | 4 | 2 | 2 | 1.00E+00 | 1.20E+00 | 5.50E+00 | 3.35E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW24D | Nickel | 7440020 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW25D | Nickel | 7440020 | 4 | 2 | 2 | 2.80E+00 | 1.10E+00 | 1.20E+00 | 1.15E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW26D | Nickel | 7440020 | 4 | 2 | 2 | 6.30E+00 | 5.40E+00 | 6.00E+00 | 5.70E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW27D | Nickel | 7440020 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW28D | Nickel | 7440020 | 4 | 1 | 3 | 1.30E+00 | 8.30E-01 | 8.30E-01 | 8.30E-01 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW29D | Nickel | 7440020 | 4 | 2 | 2 | 2.70E+00 | 1.60E+00 | 1.70E+00 | 1.65E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW2D1 | Nickel | 7440020 | 1 | 0 | 1 | 1.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW2DI | Nickel | 7440020 | 2 | 1 | 1 | 2.30E+00 | 5.20E+00 | 5.20E+00 | 5.20E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW30D | Nickel | 7440020 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | FGDEGW09D | Nickel | 7440020 | 2 | 2 | 0 | NA | 3.60E+01 | 4.22E+01 | 3.91E+01 | 1.00E+02 | No | No | |
| E | Deep | EGDEGW01D | Potassium | 7440097 | 4 | 3 | 1 | 3.60E+04 | 2.50E+04 | 4.26E+04 | 3.58E+04 | | No | No | No |
| E | Deep | EGDEGW02D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.27E+05 | 1.76E+05 | 1.49E+05 | | No | No | |
| E | Deep | EGDEGW03D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.91E+05 | 2.88E+05 | 2.16E+05 | | No | No | |
| E | Deep | EGDEGW04D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.69E+04 | 4.11E+04 | 3.08E+04 | | No | No | |
| E | Deep | EGDEGW05D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.96E+05 | 2.36E+05 | 2.20E+05 | | No | No | |
| E | Deep | EGDEGW06D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.29E+05 | 2.56E+05 | 2.42E+05 | | No | No | |
| E | Deep | EGDEGW07D | Potassium | 7440097 | 4 | 3 | 1 | 8.00E+04 | 2.63E+05 | 2.90E+05 | 2.76E+05 | | No | No | No |
| E | Deep | EGDEGW08D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.69E+05 | 2.39E+05 | 1.94E+05 | | No | No | |
| E | Deep | EGDEGW09D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.19E+05 | 1.76E+05 | 1.44E+05 | | No | No | |
| E | Deep | EGDEGW10D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.45E+05 | 3.51E+05 | 2.70E+05 | | No | No | |
| E | Deep | EGDEGW11D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.33E+05 | 3.39E+05 | 2.90E+05 | | No | No | |
| E | Deep | EGDEGW12D | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.90E+04 | 8.07E+04 | 6.01E+04 | | No | No | |
| E | Deep | EGDEGW13D | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.58E+03 | 6.66E+03 | 6.02E+03 | | No | No | |
| E | Deep | EGDEGW14D | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.25E+04 | 4.90E+04 | 3.95E+04 | | No | No | |
| E | Deep | EGDEGW15D | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.74E+03 | 4.93E+03 | 4.52E+03 | | No | No | |
| E | Deep | EGDEGW16D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.83E+04 | 5.58E+04 | 3.72E+04 | | No | No | |
| E | Deep | EGDEGW17D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.97E+03 | 2.35E+03 | 2.22E+03 | | No | No | |
| E | Deep | EGDEGW18D | Potassium | 7440097 | 4 | 3 | 1 | 6.79E+03 | 3.56E+03 | 4.79E+03 | 4.19E+03 | | No | No | No |
| E | Deep | EGDEGW19D | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.47E+03 | 3.65E+03 | 3.56E+03 | | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW20D | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.60E+03 | 5.12E+03 | 4.87E+03 | | No | No | |
| E | Deep | EGDEGW21D | Potassium | 7440097 | 4 | 3 | 1 | 8.31E+03 | 8.04E+03 | 9.92E+03 | 9.03E+03 | | No | No | No |
| E | Deep | EGDEGW22D | Potassium | 7440097 | 4 | 4 | 0 | NA | 8.84E+04 | 1.25E+05 | 9.97E+04 | | No | No | |
| E | Deep | EGDEGW23D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.16E+05 | 1.25E+05 | 1.21E+05 | | No | No | |
| E | Deep | EGDEGW24D | Potassium | 7440097 | 4 | 4 | 0 | NA | 8.70E+04 | 1.28E+05 | 1.01E+05 | | No | No | |
| E | Deep | EGDEGW25D | Potassium | 7440097 | 4 | 3 | 1 | 1.20E+04 | 1.29E+04 | 1.47E+04 | 1.36E+04 | | No | No | No |
| E | Deep | EGDEGW26D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.06E+03 | 2.53E+03 | 2.38E+03 | | No | No | |
| E | Deep | EGDEGW27D | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.53E+03 | 6.27E+03 | 5.04E+03 | | No | No | |
| E | Deep | EGDEGW28D | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.43E+03 | 4.76E+03 | 4.03E+03 | | No | No | |
| E | Deep | EGDEGW29D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.22E+04 | 1.31E+04 | 1.27E+04 | | No | No | |
| E | Deep | EGDEGW2D1 | Potassium | 7440097 | 1 | 1 | 0 | NA | 7.99E+04 | 7.99E+04 | 7.99E+04 | | No | No | |
| E | Deep | EGDEGW2DI | Potassium | 7440097 | 2 | 2 | 0 | NA | 8.17E+04 | 1.13E+05 | 9.74E+04 | | No | No | |
| E | Deep | EGDEGW30D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.72E+03 | 2.05E+03 | 1.87E+03 | | No | No | |
| E | Deep | FGDEGW09D | Potassium | 7440097 | 2 | 2 | 0 | NA | 1.21E+05 | 1.76E+05 | 1.49E+05 | | No | No | |
| E | Deep | EGDEGW01D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW02D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW03D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW04D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW05D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW06D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW07D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW08D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW09D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW10D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW11D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW12D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW13D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW14D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW15D | Selenium | 7782492 | 4 | 0 | 4 | 2.80E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW16D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW17D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW18D | Selenium | 7782492 | 4 | 0 | 4 | 2.80E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW19D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW20D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW21D | Selenium | 7782492 | 4 | 1 | 3 | 5.00E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW22D | Selenium | 7782492 | 4 | 1 | 3 | 5.00E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 5.00E+01 | No | No | No |
| E | Deep | EGDEGW23D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW24D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW25D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW26D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW27D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW28D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW29D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW2D1 | Selenium | 7782492 | 1 | 0 | 1 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW2DI | Selenium | 7782492 | 2 | 0 | 2 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW30D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | FGDEGW09D | Selenium | 7782492 | 2 | 0 | 2 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| E | Deep | EGDEGW01D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW02D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW03D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW04D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW05D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW06D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW07D | Silver | 7440224 | 4 | 1 | 3 | 2.00E+00 | 2.00E+00 | 2.00E+00 | 2.00E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW08D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW09D | Silver | 7440224 | 4 | 1 | 3 | 2.40E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW10D | Silver | 7440224 | 4 | 0 | 4 | 5.70E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW11D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW12D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW13D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW14D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW15D | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW16D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW17D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW18D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW19D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW20D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW21D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW22D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW23D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW24D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW25D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW26D | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW27D | Silver | 7440224 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW28D | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW29D | Silver | 7440224 | 4 | 0 | 4 | 3.10E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW2D1 | Silver | 7440224 | 1 | 0 | 1 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW2DI | Silver | 7440224 | 2 | 0 | 2 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | EGDEGW30D | Silver | 7440224 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| E | Deep | FGDEGW09D | Silver | 7440224 | 2 | 1 | 1 | 1.20E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.00E+02 | No | No | No |
| E | Deep | EGDEGW01D | Thallium | 7440280 | 4 | 1 | 3 | 6.40E+00 | 3.30E+00 | 3.30E+00 | 3.30E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW02D | Thallium | 7440280 | 4 | 2 | 2 | 5.00E+00 | 3.60E+00 | 5.10E+00 | 4.35E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW03D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 6.00E+00 | 6.00E+00 | 6.00E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW04D | Thallium | 7440280 | 4 | 0 | 4 | 6.70E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW05D | Thallium | 7440280 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW06D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW07D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW08D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 6.50E+00 | 6.50E+00 | 6.50E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW09D | Thallium | 7440280 | 6 | 1 | 5 | 5.00E+00 | 6.30E+00 | 6.30E+00 | 6.30E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW10D | Thallium | 7440280 | 4 | 0 | 4 | 5.70E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW11D | Thallium | 7440280 | 4 | 0 | 4 | 8.40E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW12D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW13D | Thallium | 7440280 | 4 | 2 | 2 | 5.00E+00 | 2.70E+00 | 3.40E+00 | 3.05E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW14D | Thallium | 7440280 | 4 | 1 | 3 | 5.10E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW15D | Thallium | 7440280 | 4 | 2 | 2 | 3.90E+00 | 4.40E+00 | 4.70E+00 | 4.55E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW16D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW17D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW18D | Thallium | 7440280 | 4 | 0 | 4 | 2.70E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW19D | Thallium | 7440280 | 4 | 0 | 4 | 6.80E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW20D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW21D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW22D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW23D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 6.00E+00 | 6.00E+00 | 6.00E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW24D | Thallium | 7440280 | 4 | 1 | 3 | 5.20E+00 | 4.50E+00 | 4.50E+00 | 4.50E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW25D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 7.40E+00 | 7.40E+00 | 7.40E+00 | 2.00E+00 | Yes | Yes | Yes |
| E | Deep | EGDEGW26D | Thallium | 7440280 | 4 | 0 | 4 | 7.20E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW27D | Thallium | 7440280 | 4 | 0 | 4 | 5.70E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW28D | Thallium | 7440280 | 4 | 0 | 4 | 6.90E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW29D | Thallium | 7440280 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW2D1 | Thallium | 7440280 | 1 | 0 | 1 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW2DI | Thallium | 7440280 | 2 | 0 | 2 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW30D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | FGDEGW09D | Thallium | 7440280 | 2 | 0 | 2 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| E | Deep | EGDEGW01D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 2.70E+00 | 2.70E+00 | 2.70E+00 | NA | No | No | No |
| E | Deep | EGDEGW02D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.00E+00 | 3.00E+00 | 3.00E+00 | NA | No | No | No |
| E | Deep | EGDEGW03D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW04D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW05D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW06D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW07D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (μg/L) | Max Detect (μg/L) | Mean Detect (μg/L) | GWP Criteria (μg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW08D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW09D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW10D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 2.70E+00 | 2.70E+00 | 2.70E+00 | NA | No | No | No |
| E | Deep | EGDEGW11D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW12D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW13D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW14D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.14E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW15D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.72E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW16D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW17D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW18D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.97E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW19D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW20D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW21D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.30E+00 | 3.30E+00 | 3.30E+00 | NA | No | No | No |
| E | Deep | EGDEGW22D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW23D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW24D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW25D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW26D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW27D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW28D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW29D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW2D1 | Tin (Sn) | 7440315 | 1 | 0 | 1 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW2DI | Tin (Sn) | 7440315 | 2 | 0 | 2 | 1.40E+01 | NA | NA | NA | NA | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW30D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| E | Deep | FGDEGW09D | Tin (Sn) | 7440315 | 2 | 0 | 2 | 2.00E+01 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW01D | Vanadium | 7440622 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | NA | | | No |
| E | Deep | EGDEGW02D | Vanadium | 7440622 | 4 | 3 | 1 | 3.40E+00 | 3.90E+00 | 5.30E+00 | 4.67E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW03D | Vanadium | 7440622 | 4 | 1 | 3 | 3.40E+00 | 2.30E+00 | 2.30E+00 | 2.30E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW04D | Vanadium | 7440622 | 4 | 1 | 3 | 3.40E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW05D | Vanadium | 7440622 | 4 | 4 | 0 | NA | 2.50E+00 | 3.80E+00 | 3.15E+00 | 2.56E+02 | No | No | |
| E | Deep | EGDEGW06D | Vanadium | 7440622 | 4 | 3 | 1 | 1.00E+00 | 3.60E+00 | 5.10E+00 | 4.53E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW07D | Vanadium | 7440622 | 4 | 2 | 2 | 1.80E+00 | 1.10E+00 | 2.00E+00 | 1.55E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW08D | Vanadium | 7440622 | 4 | 2 | 2 | 6.40E-01 | 2.30E+00 | 3.40E+00 | 2.85E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW09D | Vanadium | 7440622 | 4 | 1 | 3 | 5.00E-01 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW10D | Vanadium | 7440622 | 4 | 3 | 1 | 2.30E+00 | 3.50E+00 | 7.70E+00 | 4.97E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW11D | Vanadium | 7440622 | 4 | 2 | 2 | 1.50E+00 | 2.00E+00 | 2.30E+00 | 2.15E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW12D | Vanadium | 7440622 | 4 | 1 | 3 | 1.00E+00 | 7.70E-01 | 7.70E-01 | 7.70E-01 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW13D | Vanadium | 7440622 | 4 | 0 | 4 | 1.90E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW14D | Vanadium | 7440622 | 4 | 2 | 2 | 1.00E+00 | 5.20E-01 | 5.70E-01 | 5.45E-01 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW15D | Vanadium | 7440622 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW16D | Vanadium | 7440622 | 4 | 3 | 1 | 3.50E+00 | 3.40E+00 | 4.80E+00 | 4.03E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW17D | Vanadium | 7440622 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW18D | Vanadium | 7440622 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW19D | Vanadium | 7440622 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW20D | Vanadium | 7440622 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW21D | Vanadium | 7440622 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW22D | Vanadium | 7440622 | 4 | 4 | 0 | NA | 6.70E-01 | 4.80E+00 | 2.69E+00 | 2.56E+02 | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW23D | Vanadium | 7440622 | 4 | 4 | 0 | NA | 1.60E+00 | 5.60E+00 | 3.65E+00 | 2.56E+02 | No | No | |
| E | Deep | EGDEGW24D | Vanadium | 7440622 | 4 | 2 | 2 | 3.40E+00 | 7.00E-01 | 1.50E+00 | 1.10E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW25D | Vanadium | 7440622 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW26D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW27D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW28D | Vanadium | 7440622 | 4 | 1 | 3 | 1.90E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW29D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | EGDEGW2D1 | Vanadium | 7440622 | 1 | 1 | 0 | NA | 1.60E+00 | 1.60E+00 | 1.60E+00 | 2.56E+02 | No | No | |
| E | Deep | EGDEGW2DI | Vanadium | 7440622 | 2 | 1 | 1 | 2.10E+00 | 1.50E+00 | 1.50E+00 | 1.50E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW30D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| E | Deep | FGDEGW09D | Vanadium | 7440622 | 2 | 1 | 1 | 5.00E-01 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 2.56E+02 | No | No | No |
| E | Deep | EGDEGW01D | Zinc | 7440666 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW02D | Zinc | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW03D | Zinc | 7440666 | 4 | 1 | 3 | 5.70E+00 | 2.14E+01 | 2.14E+01 | 2.14E+01 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW04D | Zinc | 7440666 | 4 | 1 | 3 | 6.60E+00 | 4.40E+00 | 4.40E+00 | 4.40E+00 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW05D | Zinc | 7440666 | 4 | 1 | 3 | 9.40E+00 | 7.40E+00 | 7.40E+00 | 7.40E+00 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW06D | Zinc | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW07D | Zinc | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW08D | Zinc | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW09D | Zinc | 7440666 | 4 | 0 | 4 | 7.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW10D | Zinc | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW11D | Zinc | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW12D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 9.90E+00 | 9.90E+00 | 9.90E+00 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW13D | Zinc | 7440666 | 4 | 2 | 2 | 1.35E+01 | 6.50E+00 | 8.40E+00 | 7.45E+00 | 5.00E+03 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
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| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| E | Deep | EGDEGW14D | Zinc | 7440666 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW15D | Zinc | 7440666 | 4 | 1 | 3 | 6.90E+00 | 1.18E+01 | 1.18E+01 | 1.18E+01 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW16D | Zinc | 7440666 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW17D | Zinc | 7440666 | 4 | 1 | 3 | 1.82E+01 | 9.60E+00 | 9.60E+00 | 9.60E+00 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW18D | Zinc | 7440666 | 4 | 0 | 4 | 8.40E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW19D | Zinc | 7440666 | 4 | 0 | 4 | 1.33E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW20D | Zinc | 7440666 | 4 | 0 | 4 | 7.44E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW21D | Zinc | 7440666 | 4 | 0 | 4 | 5.90E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW22D | Zinc | 7440666 | 4 | 0 | 4 | 6.90E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW23D | Zinc | 7440666 | 4 | 0 | 4 | 1.20E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW24D | Zinc | 7440666 | 4 | 0 | 4 | 9.90E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW25D | Zinc | 7440666 | 4 | 2 | 2 | 7.40E+00 | 8.10E+00 | 1.34E+01 | 1.08E+01 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW26D | Zinc | 7440666 | 4 | 1 | 3 | 1.79E+01 | 1.04E+01 | 1.04E+01 | 1.04E+01 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW27D | Zinc | 7440666 | 4 | 0 | 4 | 5.80E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW28D | Zinc | 7440666 | 4 | 1 | 3 | 7.10E+00 | 6.80E+00 | 6.80E+00 | 6.80E+00 | 5.00E+03 | No | No | No |
| E | Deep | EGDEGW29D | Zinc | 7440666 | 4 | 0 | 4 | 2.10E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW2D1 | Zinc | 7440666 | 1 | 0 | 1 | 1.41E+01 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW2DI | Zinc | 7440666 | 2 | 0 | 2 | 7.90E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | EGDEGW30D | Zinc | 7440666 | 4 | 0 | 4 | 9.70E+00 | NA | NA | NA | 5.00E+03 | | | No |
| E | Deep | FGDEGW09D | Zinc | 7440666 | 2 | 0 | 2 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| F | Shallow | FGDFGW001 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 1.85E+02 | 4.70E+02 | 2.96E+02 | 2.00E+02 | Yes | Yes | |
| F | Shallow | FGDFGW001 | Antimony | 7440360 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 6.00E+00 | | | No |
| F | Shallow | FGDFGW001 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 3.30E+00 | 8.50E+00 | 5.58E+00 | 5.00E+01 | No | No | |
| F | Shallow | FGDFGW001 | Barium | 7440393 | 4 | 4 | 0 | NA | 2.88E+01 | 3.75E+01 | 3.24E+01 | 2.00E+03 | No | No | |

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| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| F | Shallow | FGDFGW001 | Beryllium | 7440417 | 4 | 1 | 3 | 3.60E-01 | 3.70E-01 | 3.70E-01 | 3.70E-01 | 4.00E+00 | No | No | No |
| F | Shallow | FGDFGW001 | Cadmium | 7440439 | 4 | 2 | 2 | 5.00E-01 | 6.40E-01 | 4.40E+00 | 2.52E+00 | 5.00E+00 | No | No | No |
| F | Shallow | FGDFGW001 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.97E+04 | 9.70E+04 | 4.83E+04 | NA | No | No | |
| F | Shallow | FGDFGW001 | Chromium, Total | 7440473 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| F | Shallow | FGDFGW001 | Cobalt | 7440484 | 4 | 4 | 0 | NA | 7.50E+00 | 1.04E+01 | 8.98E+00 | 2.19E+03 | No | No | |
| F | Shallow | FGDFGW001 | Copper | 7440508 | 4 | 0 | 4 | 7.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| F | Shallow | FGDFGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 5.16E+04 | 6.23E+04 | 5.51E+04 | 3.00E+02 | Yes | Yes | |
| F | Shallow | FGDFGW001 | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| F | Shallow | FGDFGW001 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.46E+04 | 4.66E+04 | 3.84E+04 | NA | No | No | |
| F | Shallow | FGDFGW001 | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.84E+02 | 1.56E+03 | 1.14E+03 | 5.00E+01 | Yes | Yes | |
| F | Shallow | FGDFGW001 | Mercury | 7439976 | 4 | 1 | 3 | 1.00E-01 | 1.70E-01 | 1.70E-01 | 1.70E-01 | 2.00E+00 | No | No | No |
| F | Shallow | FGDFGW001 | Nickel | 7440020 | 4 | 2 | 2 | 4.60E+00 | 1.90E+00 | 3.30E+00 | 2.60E+00 | 1.00E+02 | No | No | No |
| F | Shallow | FGDFGW001 | Potassium | 7440097 | 4 | 4 | 0 | NA | 8.82E+03 | 1.22E+04 | 1.00E+04 | NA | No | No | |
| F | Shallow | FGDFGW001 | Selenium | 7782492 | 4 | 0 | 4 | 5.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| F | Shallow | FGDFGW001 | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| F | Shallow | FGDFGW001 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 4.80E+00 | 4.80E+00 | 4.80E+00 | 2.00E+00 | Yes | Yes | Yes |
| F | Shallow | FGDFGW001 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | | | | No |
| F | Shallow | FGDFGW001 | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| F | Shallow | FGDFGW001 | Zinc | 7440666 | 4 | 0 | 4 | 3.24E+01 | NA | NA | NA | 5.00E+03 | | | No |
| F | Deep | FGDFGW01D | Aluminum | 7429905 | 4 | 0 | 4 | 2.47E+01 | NA | NA | NA | 2.00E+02 | | | No |
| F | Deep | FGDFGW01D | Antimony | 7440360 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| F | Deep | FGDFGW01D | Arsenic | 7440382 | 4 | 4 | 0 | NA | 6.60E+00 | 9.90E+00 | 8.78E+00 | 5.00E+01 | No | No | |
| F | Deep | FGDFGW01D | Barium | 7440393 | 4 | 4 | 0 | NA | 1.29E+02 | 1.37E+02 | 1.32E+02 | 2.00E+03 | No | No | |

**TABLE B2**
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| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| F | Deep | FGDFGW01D | Beryllium | 7440417 | 4 | 1 | 3 | 3.00E-01 | 2.30E-01 | 2.30E-01 | 2.30E-01 | 4.00E+00 | No | No | No |
| F | Deep | FGDFGW01D | Cadmium | 7440439 | 4 | 2 | 2 | 5.00E-01 | 4.60E-01 | 5.40E-01 | 5.00E-01 | 5.00E+00 | No | No | No |
| F | Deep | FGDFGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.82E+05 | 1.91E+05 | 1.87E+05 | NA | No | No | |
| F | Deep | FGDFGW01D | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.70E+00 | 9.60E-01 | 9.60E-01 | 9.60E-01 | 1.00E+02 | No | No | No |
| F | Deep | FGDFGW01D | Cobalt | 7440484 | 4 | 4 | 0 | NA | 4.89E+01 | 6.06E+01 | 5.48E+01 | 2.19E+03 | No | No | |
| F | Deep | FGDFGW01D | Copper | 7440508 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.30E+03 | | | No |
| F | Deep | FGDFGW01D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.11E+02 | 1.15E+03 | 8.05E+02 | 3.00E+02 | Yes | Yes | |
| F | Deep | FGDFGW01D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| F | Deep | FGDFGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.20E+04 | 2.42E+04 | 2.32E+04 | NA | No | No | |
| F | Deep | FGDFGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.26E+03 | 4.82E+03 | 4.53E+03 | 5.00E+01 | Yes | Yes | |
| F | Deep | FGDFGW01D | Mercury | 7439976 | 4 | 1 | 3 | 1.00E-01 | 3.20E-01 | 3.20E-01 | 3.20E-01 | 2.00E+00 | No | No | No |
| F | Deep | FGDFGW01D | Nickel | 7440020 | 4 | 4 | 0 | NA | 2.17E+01 | 2.51E+01 | 2.28E+01 | 1.00E+02 | No | No | |
| F | Deep | FGDFGW01D | Potassium | 7440097 | 4 | 4 | 0 | NA | 5.93E+03 | 6.66E+03 | 6.27E+03 | NA | No | No | |
| F | Deep | FGDFGW01D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| F | Deep | FGDFGW01D | Silver | 7440224 | 4 | 0 | 4 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| F | Deep | FGDFGW01D | Thallium | 7440280 | 4 | 2 | 2 | 5.00E+00 | 5.90E+00 | 6.60E+00 | 6.25E+00 | 2.00E+00 | Yes | Yes | Yes |
| F | Deep | FGDFGW01D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| F | Deep | FGDFGW01D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| F | Deep | FGDFGW01D | Zinc | 7440666 | 4 | 0 | 4 | 1.26E+01 | NA | NA | NA | 5.00E+03 | | | No |
| G | Shallow | GGDGGW001 | Aluminum | 7429905 | 5 | 5 | 0 | NA | 4.89E+02 | 1.77E+03 | 8.66E+02 | 2.00E+02 | Yes | Yes | |
| G | Shallow | GGDGGW002 | Aluminum | 7429905 | 4 | 2 | 2 | 8.10E+00 | 1.36E+02 | 1.76E+02 | 1.56E+02 | 2.00E+02 | No | No | No |
| G | Shallow | GGDGGW001 | Antimony | 7440360 | 5 | 3 | 2 | 4.30E+00 | 3.20E+00 | 5.80E+00 | 4.73E+00 | 6.00E+00 | No | No | No |
| G | Shallow | GGDGGW002 | Antimony | 7440360 | 4 | 1 | 3 | 2.10E+00 | 3.80E+00 | 3.80E+00 | 3.80E+00 | 6.00E+00 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| G | Shallow | GGDGGW001 | Arsenic | 7440382 | 5 | 5 | 0 | NA | 7.99E+01 | 1.66E+02 | 1.20E+02 | 5.00E+01 | Yes | Yes | |
| G | Shallow | GGDGGW002 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 7.80E+00 | 5.97E+01 | 2.17E+01 | 5.00E+01 | Yes | No | |
| G | Shallow | GGDGGW001 | Barium | 7440393 | 5 | 5 | 0 | NA | 5.85E+02 | 9.37E+02 | 7.11E+02 | 2.00E+03 | No | No | |
| G | Shallow | GGDGGW002 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.36E+01 | 2.14E+02 | 6.56E+01 | 2.00E+03 | No | No | |
| G | Shallow | GGDGGW001 | Beryllium | 7440417 | 5 | 0 | 5 | 1.20E+00 | NA | NA | NA | 4.00E+00 | | | No |
| G | Shallow | GGDGGW002 | Beryllium | 7440417 | 4 | 0 | 4 | 7.60E-01 | NA | NA | NA | 4.00E+00 | | | No |
| G | Shallow | GGDGGW001 | Cadmium | 7440439 | 5 | 0 | 5 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | No |
| G | Shallow | GGDGGW002 | Cadmium | 7440439 | 4 | 2 | 2 | 5.00E-01 | 4.00E-01 | 1.50E+00 | 9.50E-01 | 5.00E+00 | No | No | No |
| G | Shallow | GGDGGW001 | Calcium | 7440702 | 5 | 5 | 0 | NA | 1.21E+05 | 1.60E+05 | 1.46E+05 | NA | No | No | |
| G | Shallow | GGDGGW002 | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.56E+04 | 2.94E+05 | 1.40E+05 | NA | No | No | |
| G | Shallow | GGDGGW001 | Chromium, Total | 7440473 | 5 | 5 | 0 | NA | 2.40E+00 | 1.41E+01 | 5.40E+00 | 1.00E+02 | No | No | |
| G | Shallow | GGDGGW002 | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.30E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| G | Shallow | GGDGGW001 | Cobalt | 7440484 | 5 | 3 | 2 | 9.00E-01 | 1.20E+00 | 1.80E+00 | 1.53E+00 | 2.19E+03 | No | No | No |
| G | Shallow | GGDGGW002 | Cobalt | 7440484 | 4 | 1 | 3 | 9.00E-01 | 8.30E+00 | 8.30E+00 | 8.30E+00 | 2.19E+03 | No | No | No |
| G | Shallow | GGDGGW001 | Copper | 7440508 | 5 | 5 | 0 | NA | 1.15E+01 | 8.65E+01 | 3.40E+01 | 1.30E+03 | No | No | |
| G | Shallow | GGDGGW002 | Copper | 7440508 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| G | Shallow | GGDGGW001 | Iron | 7439896 | 5 | 5 | 0 | NA | 2.00E+03 | 1.03E+04 | 4.29E+03 | 3.00E+02 | Yes | Yes | |
| G | Shallow | GGDGGW002 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.63E+04 | 3.57E+04 | 2.77E+04 | 3.00E+02 | Yes | Yes | |
| G | Shallow | GGDGGW001 | Lead | 7439921 | 5 | 5 | 0 | NA | 5.60E+00 | 5.19E+01 | 1.87E+01 | 1.50E+01 | Yes | Yes | |
| G | Shallow | GGDGGW002 | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| G | Shallow | GGDGGW001 | Magnesium | 7439954 | 5 | 5 | 0 | NA | 1.41E+05 | 5.33E+05 | 2.74E+05 | NA | No | No | |
| G | Shallow | GGDGGW002 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.01E+04 | 1.00E+05 | 8.28E+04 | NA | No | No | |
| G | Shallow | GGDGGW001 | Manganese | 7439965 | 5 | 5 | 0 | NA | 1.49E+02 | 3.43E+02 | 2.26E+02 | 5.00E+01 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (μg/L) | Max Detect (μg/L) | Mean Detect (μg/L) | GWP Criteria (μg/L) | Max Detect | Mean Detect | Max NonDetect |
| G | Shallow | GGDGGW002 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.58E+03 | 7.98E+03 | 4.00E+03 | 5.00E+01 | Yes | Yes | |
| G | Shallow | GGDGGW001 | Mercury | 7439976 | 5 | 1 | 4 | 1.60E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 2.00E+00 | No | No | No |
| G | Shallow | GGDGGW002 | Mercury | 7439976 | 4 | 1 | 3 | 1.40E-01 | 1.70E-01 | 1.70E-01 | 1.70E-01 | 2.00E+00 | No | No | No |
| G | Shallow | GGDGGW001 | Nickel | 7440020 | 5 | 5 | 0 | NA | 1.50E+00 | 1.06E+01 | 4.98E+00 | 1.00E+02 | No | No | |
| G | Shallow | GGDGGW002 | Nickel | 7440020 | 4 | 3 | 1 | 7.00E-01 | 1.20E+00 | 1.96E+01 | 7.60E+00 | 1.00E+02 | No | No | No |
| G | Shallow | GGDGGW001 | Potassium | 7440097 | 5 | 5 | 0 | NA | 5.45E+04 | 1.80E+05 | 9.86E+04 | NA | No | No | |
| G | Shallow | GGDGGW002 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.54E+04 | 4.98E+04 | 3.94E+04 | NA | No | No | |
| G | Shallow | GGDGGW001 | Selenium | 7782492 | 5 | 1 | 4 | 3.40E+00 | 3.90E+00 | 3.90E+00 | 3.90E+00 | 5.00E+01 | No | No | No |
| G | Shallow | GGDGGW002 | Selenium | 7782492 | 4 | 1 | 3 | 3.40E+00 | 4.10E+00 | 4.10E+00 | 4.10E+00 | 5.00E+01 | No | No | No |
| G | Shallow | GGDGGW001 | Silver | 7440224 | 5 | 0 | 5 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| G | Shallow | GGDGGW002 | Silver | 7440224 | 4 | 1 | 3 | 1.00E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.00E+02 | No | No | No |
| G | Shallow | GGDGGW001 | Thallium | 7440280 | 5 | 0 | 5 | 5.90E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| G | Shallow | GGDGGW002 | Thallium | 7440280 | 4 | 0 | 4 | 8.10E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| G | Shallow | GGDGGW001 | Tin (Sn) | 7440315 | 5 | 1 | 4 | 1.40E+01 | 3.40E+00 | 3.40E+00 | 3.40E+00 | NA | No | No | No |
| G | Shallow | GGDGGW002 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| G | Shallow | GGDGGW001 | Vanadium | 7440622 | 5 | 5 | 0 | NA | 1.24E+01 | 3.04E+01 | 1.66E+01 | 2.56E+02 | No | No | |
| G | Shallow | GGDGGW002 | Vanadium | 7440622 | 4 | 3 | 1 | 1.10E+00 | 2.70E+00 | 3.30E+00 | 3.03E+00 | 2.56E+02 | No | No | No |
| G | Shallow | GGDGGW001 | Zinc | 7440666 | 5 | 5 | 0 | NA | 1.78E+01 | 1.24E+02 | 5.99E+01 | 5.00E+03 | No | No | |
| G | Shallow | GGDGGW002 | Zinc | 7440666 | 4 | 1 | 3 | 8.70E+00 | 4.03E+01 | 4.03E+01 | 4.03E+01 | 5.00E+03 | No | No | No |
| G | Deep | GGDGGW01D | Aluminum | 7429905 | 4 | 2 | 2 | 2.30E+01 | 2.00E+01 | 1.47E+02 | 8.35E+01 | 2.00E+02 | No | No | No |
| G | Deep | GGDGGW02D | Aluminum | 7429905 | 4 | 1 | 3 | 2.30E+01 | 9.46E+01 | 9.46E+01 | 9.46E+01 | 2.00E+02 | No | No | No |
| G | Deep | GGDGGW01D | Antimony | 7440360 | 4 | 1 | 3 | 2.20E+00 | 4.90E+00 | 4.90E+00 | 4.90E+00 | 6.00E+00 | No | No | No |
| G | Deep | GGDGGW02D | Antimony | 7440360 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | No |
| G | Deep | GGDGGW01D | Arsenic | 7440382 | 4 | 2 | 2 | 2.10E+00 | 2.50E+00 | 2.90E+00 | 2.70E+00 | 5.00E+01 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| G | Deep | GGDGGW02D | Arsenic | 7440382 | 4 | 3 | 1 | 2.10E+00 | 5.23E+01 | 5.79E+01 | 5.51E+01 | 5.00E+01 | Yes | Yes | No |
| G | Deep | GGDGGW01D | Barium | 7440393 | 4 | 4 | 0 | NA | 6.45E+01 | 1.07E+02 | 8.22E+01 | 2.00E+03 | No | No | |
| G | Deep | GGDGGW02D | Barium | 7440393 | 4 | 3 | 1 | 1.20E+00 | 2.09E+02 | 2.23E+02 | 2.17E+02 | 2.00E+03 | No | No | No |
| G | Deep | GGDGGW01D | Beryllium | 7440417 | 4 | 1 | 3 | 1.40E+00 | 3.30E-01 | 3.30E-01 | 3.30E-01 | 4.00E+00 | No | No | No |
| G | Deep | GGDGGW02D | Beryllium | 7440417 | 4 | 0 | 4 | 7.70E-01 | NA | NA | NA | 4.00E+00 | | | No |
| G | Deep | GGDGGW01D | Cadmium | 7440439 | 4 | 1 | 3 | 5.00E-01 | 3.40E-01 | 3.40E-01 | 3.40E-01 | 5.00E+00 | No | No | No |
| G | Deep | GGDGGW02D | Cadmium | 7440439 | 4 | 1 | 3 | 5.00E-01 | 3.30E+00 | 3.30E+00 | 3.30E+00 | 5.00E+00 | No | No | No |
| G | Deep | GGDGGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.78E+04 | 1.16E+05 | 1.05E+05 | NA | No | No | |
| G | Deep | GGDGGW02D | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.94E+02 | 3.38E+05 | 2.48E+05 | NA | No | No | |
| G | Deep | GGDGGW01D | Chromium, Total | 7440473 | 4 | 3 | 1 | 1.00E+00 | 2.50E+00 | 8.10E+00 | 5.93E+00 | 1.00E+02 | No | No | No |
| G | Deep | GGDGGW02D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 1.30E+00 | 1.90E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| G | Deep | GGDGGW01D | Cobalt | 7440484 | 4 | 1 | 3 | 9.00E-01 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 2.19E+03 | No | No | No |
| G | Deep | GGDGGW02D | Cobalt | 7440484 | 4 | 3 | 1 | 8.00E-01 | 9.10E+00 | 9.50E+00 | 9.33E+00 | 2.19E+03 | No | No | No |
| G | Deep | GGDGGW01D | Copper | 7440508 | 4 | 0 | 4 | 3.70E+00 | NA | NA | NA | 1.30E+03 | | | No |
| G | Deep | GGDGGW02D | Copper | 7440508 | 4 | 1 | 3 | 1.40E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.30E+03 | No | No | No |
| G | Deep | GGDGGW01D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.08E+03 | 4.00E+03 | 2.75E+03 | 3.00E+02 | Yes | Yes | |
| G | Deep | GGDGGW02D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.83E+01 | 1.69E+04 | 1.24E+04 | 3.00E+02 | Yes | Yes | |
| G | Deep | GGDGGW01D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| G | Deep | GGDGGW02D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| G | Deep | GGDGGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.89E+05 | 6.24E+05 | 6.08E+05 | NA | No | No | |
| G | Deep | GGDGGW02D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.25E+02 | 9.16E+04 | 6.30E+04 | NA | No | No | |
| G | Deep | GGDGGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.75E+02 | 3.29E+02 | 2.40E+02 | 5.00E+01 | Yes | Yes | |
| G | Deep | GGDGGW02D | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.07E+01 | 9.03E+03 | 6.42E+03 | 5.00E+01 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| G | Deep | GGDGGW01D | Mercury | 7439976 | 4 | 1 | 3 | 1.20E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 2.00E+00 | No | No | No |
| G | Deep | GGDGGW02D | Mercury | 7439976 | 4 | 1 | 3 | 3.10E-01 | 1.80E-01 | 1.80E-01 | 1.80E-01 | 2.00E+00 | No | No | No |
| G | Deep | GGDGGW01D | Nickel | 7440020 | 4 | 3 | 1 | 8.00E-01 | 7.70E-01 | 3.50E+00 | 2.02E+00 | 1.00E+02 | No | No | No |
| G | Deep | GGDGGW02D | Nickel | 7440020 | 4 | 3 | 1 | 7.00E-01 | 2.10E+01 | 2.13E+01 | 2.11E+01 | 1.00E+02 | No | No | No |
| G | Deep | GGDGGW01D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.79E+05 | 1.98E+05 | 1.87E+05 | NA | No | No | |
| G | Deep | GGDGGW02D | Potassium | 7440097 | 4 | 3 | 1 | 5.60E+02 | 1.47E+04 | 1.57E+04 | 1.52E+04 | NA | No | No | No |
| G | Deep | GGDGGW01D | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| G | Deep | GGDGGW02D | Selenium | 7782492 | 4 | 1 | 3 | 3.40E+00 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 5.00E+01 | No | No | No |
| G | Deep | GGDGGW01D | Silver | 7440224 | 4 | 0 | 4 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| G | Deep | GGDGGW02D | Silver | 7440224 | 4 | 1 | 3 | 1.00E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 1.00E+02 | No | No | No |
| G | Deep | GGDGGW01D | Thallium | 7440280 | 4 | 0 | 4 | 7.70E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| G | Deep | GGDGGW02D | Thallium | 7440280 | 4 | 0 | 4 | 5.90E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| G | Deep | GGDGGW01D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| G | Deep | GGDGGW02D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | NA | | | No |
| G | Deep | GGDGGW01D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| G | Deep | GGDGGW02D | Vanadium | 7440622 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| G | Deep | GGDGGW01D | Zinc | 7440666 | 4 | 0 | 4 | 3.05E+01 | NA | NA | NA | 5.00E+03 | | | No |
| G | Deep | GGDGGW02D | Zinc | 7440666 | 4 | 2 | 2 | 1.57E+01 | 6.30E+00 | 5.08E+01 | 2.86E+01 | 5.00E+03 | No | No | No |
| H | Shallow | HGDHGW001 | Aluminum | 7429905 | 4 | 1 | 3 | 6.02E+01 | 1.87E+02 | 1.87E+02 | 1.87E+02 | 2.00E+02 | No | No | No |
| H | Shallow | HGDHGW002 | Aluminum | 7429905 | 4 | 3 | 1 | 1.56E+03 | 4.77E+02 | 1.14E+03 | 7.03E+02 | 2.00E+02 | Yes | Yes | Yes |
| H | Shallow | HGDHGW003 | Aluminum | 7429905 | 5 | 1 | 4 | 5.65E+01 | 1.25E+02 | 1.25E+02 | 1.25E+02 | 2.00E+02 | No | No | No |
| H | Shallow | HGDHGW004 | Aluminum | 7429905 | 4 | 0 | 4 | 7.55E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Shallow | HGDHGW005 | Aluminum | 7429905 | 4 | 0 | 4 | 1.90E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Shallow | HGDHGW006 | Aluminum | 7429905 | 4 | 0 | 4 | 1.90E+01 | NA | NA | NA | 2.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW007 | Aluminum | 7429905 | 4 | 1 | 3 | 3.56E+01 | 5.73E+01 | 5.73E+01 | 5.73E+01 | 2.00E+02 | No | No | No |
| H | Shallow | HGDHGW008 | Aluminum | 7429905 | 4 | 0 | 4 | 1.90E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Shallow | HGDHGW009 | Aluminum | 7429905 | 4 | 0 | 4 | 2.80E+02 | NA | NA | NA | 2.00E+02 | | | Yes |
| H | Shallow | HGDHGW010 | Aluminum | 7429905 | 4 | 0 | 4 | 1.90E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Shallow | HGDHGW011 | Aluminum | 7429905 | 4 | 0 | 4 | 2.01E+02 | NA | NA | NA | 2.00E+02 | | | Yes |
| H | Shallow | HGDHGW001 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW002 | Antimony | 7440360 | 4 | 0 | 4 | 1.12E+02 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW003 | Antimony | 7440360 | 7 | 0 | 7 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW004 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW005 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW006 | Antimony | 7440360 | 6 | 0 | 6 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW007 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW008 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW009 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW010 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW011 | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Shallow | HGDHGW001 | Arsenic | 7440382 | 4 | 1 | 3 | 8.90E+00 | 8.00E+00 | 8.00E+00 | 8.00E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW002 | Arsenic | 7440382 | 4 | 0 | 4 | 3.60E+01 | NA | NA | NA | 5.00E+01 | | | No |
| H | Shallow | HGDHGW003 | Arsenic | 7440382 | 9 | 8 | 1 | 2.66E+01 | 2.48E+01 | 4.30E+01 | 3.71E+01 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW004 | Arsenic | 7440382 | 4 | 1 | 3 | 8.80E+00 | 3.10E+00 | 3.10E+00 | 3.10E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW005 | Arsenic | 7440382 | 4 | 1 | 3 | 1.08E+01 | 1.04E+01 | 1.04E+01 | 1.04E+01 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW006 | Arsenic | 7440382 | 8 | 7 | 1 | 1.39E+01 | 7.20E+00 | 4.96E+01 | 2.77E+01 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW007 | Arsenic | 7440382 | 4 | 3 | 1 | 2.60E+00 | 8.00E-01 | 7.60E+00 | 4.00E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW008 | Arsenic | 7440382 | 4 | 1 | 3 | 2.70E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 5.00E+01 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW009 | Arsenic | 7440382 | 4 | 3 | 1 | 8.30E+00 | 3.30E+00 | 1.09E+01 | 6.93E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW010 | Arsenic | 7440382 | 4 | 3 | 1 | 1.39E+01 | 8.80E+00 | 1.97E+01 | 1.41E+01 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW011 | Arsenic | 7440382 | 4 | 2 | 2 | 2.80E+00 | 3.20E+00 | 4.70E+00 | 3.95E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW001 | Barium | 7440393 | 4 | 0 | 4 | 1.33E+01 | NA | NA | NA | 2.00E+03 | | | No |
| H | Shallow | HGDHGW002 | Barium | 7440393 | 4 | 0 | 4 | 2.71E+01 | NA | NA | NA | 2.00E+03 | | | No |
| H | Shallow | HGDHGW003 | Barium | 7440393 | 5 | 2 | 3 | 2.02E+01 | 8.10E+00 | 1.48E+01 | 1.15E+01 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW004 | Barium | 7440393 | 4 | 2 | 2 | 1.65E+01 | 1.09E+01 | 1.31E+01 | 1.20E+01 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW005 | Barium | 7440393 | 4 | 0 | 4 | 4.04E+01 | NA | NA | NA | 2.00E+03 | | | No |
| H | Shallow | HGDHGW006 | Barium | 7440393 | 4 | 1 | 3 | 1.17E+01 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW007 | Barium | 7440393 | 4 | 3 | 1 | 5.70E+00 | 2.90E+00 | 6.30E+00 | 4.80E+00 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW008 | Barium | 7440393 | 4 | 1 | 3 | 2.26E+01 | 2.41E+01 | 2.41E+01 | 2.41E+01 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW009 | Barium | 7440393 | 4 | 3 | 1 | 8.26E+01 | 5.45E+01 | 1.15E+02 | 7.63E+01 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW010 | Barium | 7440393 | 4 | 2 | 2 | 1.89E+01 | 6.80E+00 | 2.83E+01 | 1.76E+01 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW011 | Barium | 7440393 | 4 | 1 | 3 | 6.16E+01 | 4.03E+01 | 4.03E+01 | 4.03E+01 | 2.00E+03 | No | No | No |
| H | Shallow | HGDHGW001 | Beryllium | 7440417 | 4 | 0 | 4 | 5.20E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW002 | Beryllium | 7440417 | 4 | 1 | 3 | 2.10E+00 | 9.80E-01 | 9.80E-01 | 9.80E-01 | 4.00E+00 | No | No | No |
| H | Shallow | HGDHGW003 | Beryllium | 7440417 | 8 | 0 | 8 | 5.50E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW004 | Beryllium | 7440417 | 4 | 0 | 4 | 3.90E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW005 | Beryllium | 7440417 | 4 | 0 | 4 | 4.90E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW006 | Beryllium | 7440417 | 7 | 0 | 7 | 5.90E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW007 | Beryllium | 7440417 | 4 | 0 | 4 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW008 | Beryllium | 7440417 | 4 | 0 | 4 | 3.70E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW009 | Beryllium | 7440417 | 4 | 0 | 4 | 6.50E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW010 | Beryllium | 7440417 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 4.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW011 | Beryllium | 7440417 | 4 | 0 | 4 | 6.10E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Shallow | HGDHGW001 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW002 | Cadmium | 7440439 | 4 | 1 | 3 | 1.47E+01 | 4.60E+00 | 4.60E+00 | 4.60E+00 | 5.00E+00 | No | No | Yes |
| H | Shallow | HGDHGW003 | Cadmium | 7440439 | 5 | 0 | 5 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW004 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW005 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW006 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW007 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW008 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW009 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW010 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW011 | Cadmium | 7440439 | 4 | 0 | 4 | 2.10E+00 | NA | NA | NA | 5.00E+00 | | | No |
| H | Shallow | HGDHGW001 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.23E+05 | 1.59E+05 | 1.41E+05 | NA | No | No | |
| H | Shallow | HGDHGW002 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.80E+05 | 2.86E+05 | 2.15E+05 | NA | No | No | |
| H | Shallow | HGDHGW003 | Calcium | 7440702 | 5 | 5 | 0 | NA | 1.04E+05 | 1.53E+05 | 1.25E+05 | NA | No | No | |
| H | Shallow | HGDHGW004 | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.79E+04 | 1.25E+05 | 1.01E+05 | NA | No | No | |
| H | Shallow | HGDHGW005 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.71E+05 | 2.35E+05 | 1.96E+05 | NA | No | No | |
| H | Shallow | HGDHGW006 | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.59E+04 | 2.50E+05 | 1.96E+05 | NA | No | No | |
| H | Shallow | HGDHGW007 | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.51E+03 | 5.95E+04 | 4.56E+04 | NA | No | No | |
| H | Shallow | HGDHGW008 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.28E+05 | 2.36E+05 | 2.32E+05 | NA | No | No | |
| H | Shallow | HGDHGW009 | Calcium | 7440702 | 4 | 4 | 0 | NA | 5.04E+05 | 7.20E+05 | 6.11E+05 | NA | No | No | |
| H | Shallow | HGDHGW010 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.04E+05 | 3.18E+05 | 2.58E+05 | NA | No | No | |
| H | Shallow | HGDHGW011 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.65E+05 | 2.43E+05 | 1.97E+05 | NA | No | No | |
| H | Shallow | HGDHGW001 | Chromium, | 7440473 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW002 | Total Chromium, Total | 7440473 | 4 | 1 | 3 | 3.01E+01 | 5.80E+00 | 5.80E+00 | 5.80E+00 | 1.00E+02 | No | No | No |
| H | Shallow | HGDHGW003 | Chromium, Total | 7440473 | 7 | 0 | 7 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW004 | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW005 | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW006 | Chromium, Total | 7440473 | 6 | 0 | 6 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW007 | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW008 | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW009 | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW010 | Chromium, Total | 7440473 | 4 | 1 | 3 | 4.30E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.00E+02 | No | No | No |
| H | Shallow | HGDHGW011 | Chromium, Total | 7440473 | 4 | 1 | 3 | 4.30E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 1.00E+02 | No | No | No |
| H | Shallow | HGDHGW001 | Cobalt | 7440484 | 4 | 0 | 4 | 2.40E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Shallow | HGDHGW002 | Cobalt | 7440484 | 4 | 0 | 4 | 1.68E+01 | NA | NA | NA | 2.19E+03 | | | No |
| H | Shallow | HGDHGW003 | Cobalt | 7440484 | 5 | 0 | 5 | 2.40E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Shallow | HGDHGW004 | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 2.19E+03 | No | No | No |
| H | Shallow | HGDHGW005 | Cobalt | 7440484 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Shallow | HGDHGW006 | Cobalt | 7440484 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Shallow | HGDHGW007 | Cobalt | 7440484 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.19E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW008 | Cobalt | 7440484 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Shallow | HGDHGW009 | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 9.70E-01 | 9.70E-01 | 9.70E-01 | 2.19E+03 | No | No | No |
| H | Shallow | HGDHGW010 | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 2.90E+00 | 2.90E+00 | 2.90E+00 | 2.19E+03 | No | No | No |
| H | Shallow | HGDHGW011 | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Shallow | HGDHGW001 | Copper | 7440508 | 4 | 0 | 4 | 3.30E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW002 | Copper | 7440508 | 4 | 1 | 3 | 2.31E+01 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 1.30E+03 | No | No | No |
| H | Shallow | HGDHGW003 | Copper | 7440508 | 5 | 0 | 5 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW004 | Copper | 7440508 | 4 | 1 | 3 | 5.60E+00 | 6.90E-01 | 6.90E-01 | 6.90E-01 | 1.30E+03 | No | No | No |
| H | Shallow | HGDHGW005 | Copper | 7440508 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW006 | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW007 | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW008 | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW009 | Copper | 7440508 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW010 | Copper | 7440508 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW011 | Copper | 7440508 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Shallow | HGDHGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 4.10E+03 | 1.25E+04 | 7.89E+03 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW002 | Iron | 7439896 | 4 | 3 | 1 | 7.91E+02 | 5.01E+02 | 1.00E+03 | 6.74E+02 | 3.00E+02 | Yes | Yes | Yes |
| H | Shallow | HGDHGW003 | Iron | 7439896 | 5 | 5 | 0 | NA | 1.07E+04 | 2.57E+04 | 1.99E+04 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW004 | Iron | 7439896 | 4 | 4 | 0 | NA | 4.66E+02 | 6.47E+03 | 2.29E+03 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW005 | Iron | 7439896 | 4 | 4 | 0 | NA | 5.73E+03 | 1.64E+04 | 1.11E+04 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW006 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.42E+03 | 9.80E+03 | 5.73E+03 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW007 | Iron | 7439896 | 4 | 2 | 2 | 2.78E+02 | 3.17E+02 | 1.53E+03 | 9.24E+02 | 3.00E+02 | Yes | Yes | No |
| H | Shallow | HGDHGW008 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.55E+04 | 1.62E+04 | 1.57E+04 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW009 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.05E+04 | 2.87E+04 | 2.60E+04 | 3.00E+02 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW010 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.22E+03 | 4.98E+03 | 3.47E+03 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW011 | Iron | 7439896 | 4 | 4 | 0 | NA | 3.47E+03 | 9.20E+03 | 6.41E+03 | 3.00E+02 | Yes | Yes | |
| H | Shallow | HGDHGW001 | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Shallow | HGDHGW002 | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Shallow | HGDHGW003 | Lead | 7439921 | 7 | 0 | 7 | 6.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Shallow | HGDHGW004 | Lead | 7439921 | 4 | 1 | 3 | 1.80E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.50E+01 | No | No | No |
| H | Shallow | HGDHGW005 | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Shallow | HGDHGW006 | Lead | 7439921 | 6 | 1 | 5 | 1.70E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 1.50E+01 | No | No | No |
| H | Shallow | HGDHGW007 | Lead | 7439921 | 4 | 2 | 2 | 2.60E+00 | 1.30E+00 | 2.30E+00 | 1.80E+00 | 1.50E+01 | No | No | No |
| H | Shallow | HGDHGW008 | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Shallow | HGDHGW009 | Lead | 7439921 | 4 | 2 | 2 | 1.90E+00 | 1.10E+00 | 1.90E+00 | 1.50E+00 | 1.50E+01 | No | No | No |
| H | Shallow | HGDHGW010 | Lead | 7439921 | 4 | 1 | 3 | 1.90E+00 | 2.20E+00 | 2.20E+00 | 2.20E+00 | 1.50E+01 | No | No | No |
| H | Shallow | HGDHGW011 | Lead | 7439921 | 4 | 1 | 3 | 1.90E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 1.50E+01 | No | No | No |
| H | Shallow | HGDHGW001 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.75E+04 | 3.45E+04 | 2.81E+04 | NA | No | No | |
| H | Shallow | HGDHGW002 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.63E+05 | 1.09E+06 | 9.85E+05 | NA | No | No | |
| H | Shallow | HGDHGW003 | Magnesium | 7439954 | 5 | 5 | 0 | NA | 4.75E+04 | 7.84E+04 | 6.04E+04 | NA | No | No | |
| H | Shallow | HGDHGW004 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.99E+04 | 4.85E+04 | 4.38E+04 | NA | No | No | |
| H | Shallow | HGDHGW005 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.23E+05 | 2.43E+05 | 1.84E+05 | NA | No | No | |
| H | Shallow | HGDHGW006 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.95E+04 | 4.45E+04 | 3.74E+04 | NA | No | No | |
| H | Shallow | HGDHGW007 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.00E+04 | 4.19E+04 | 2.05E+04 | NA | No | No | |
| H | Shallow | HGDHGW008 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.89E+04 | 7.44E+04 | 7.13E+04 | NA | No | No | |
| H | Shallow | HGDHGW009 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.35E+05 | 3.28E+05 | 2.63E+05 | NA | No | No | |
| H | Shallow | HGDHGW010 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.56E+04 | 1.15E+05 | 8.56E+04 | NA | No | No | |
| H | Shallow | HGDHGW011 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.84E+05 | 5.32E+05 | 4.71E+05 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW001 | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.09E+02 | 5.96E+02 | 5.51E+02 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW002 | Manganese | 7439965 | 4 | 1 | 3 | 1.77E+01 | 1.66E+01 | 1.66E+01 | 1.66E+01 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW003 | Manganese | 7439965 | 5 | 5 | 0 | NA | 1.09E+03 | 1.69E+03 | 1.32E+03 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW004 | Manganese | 7439965 | 4 | 4 | 0 | NA | 7.37E+01 | 1.47E+02 | 9.87E+01 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW005 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.03E+03 | 1.68E+03 | 1.33E+03 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW006 | Manganese | 7439965 | 4 | 4 | 0 | NA | 6.12E+02 | 9.58E+02 | 7.42E+02 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW007 | Manganese | 7439965 | 4 | 3 | 1 | 2.80E+00 | 1.92E+01 | 2.29E+01 | 2.09E+01 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW008 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.32E+03 | 1.50E+03 | 1.43E+03 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW009 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.62E+03 | 4.57E+03 | 3.41E+03 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW010 | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.28E+02 | 7.00E+02 | 5.78E+02 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW011 | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.00E+02 | 6.12E+02 | 4.98E+02 | 5.00E+01 | Yes | Yes | |
| H | Shallow | HGDHGW001 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW002 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW003 | Mercury | 7439976 | 7 | 1 | 6 | 1.00E-01 | 1.20E-01 | 1.20E-01 | 1.20E-01 | 2.00E+00 | No | No | No |
| H | Shallow | HGDHGW004 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW005 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW006 | Mercury | 7439976 | 6 | 0 | 6 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW007 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW008 | Mercury | 7439976 | 4 | 1 | 3 | 1.00E-01 | 1.30E-01 | 1.30E-01 | 1.30E-01 | 2.00E+00 | No | No | No |
| H | Shallow | HGDHGW009 | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW010 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW011 | Mercury | 7439976 | 4 | 0 | 4 | 5.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Shallow | HGDHGW001 | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW002 | Nickel | 7440020 | 4 | 1 | 3 | 7.21E+01 | 2.30E+00 | 2.30E+00 | 2.30E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (μg/L) | Max Detect (μg/L) | Mean Detect (μg/L) | GWP Criteria (μg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW003 | Nickel | 7440020 | 5 | 0 | 5 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW004 | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW005 | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW006 | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW007 | Nickel | 7440020 | 4 | 1 | 3 | 1.03E+01 | 9.70E-01 | 9.70E-01 | 9.70E-01 | 1.00E+02 | No | No | No |
| H | Shallow | HGDHGW008 | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW009 | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW010 | Nickel | 7440020 | 4 | 2 | 2 | 2.66E+01 | 2.07E+01 | 3.62E+01 | 2.85E+01 | 1.00E+02 | No | No | No |
| H | Shallow | HGDHGW011 | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW001 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.05E+04 | 1.50E+04 | 1.30E+04 | NA | No | No | |
| H | Shallow | HGDHGW002 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.39E+05 | 2.97E+05 | 2.60E+05 | NA | No | No | |
| H | Shallow | HGDHGW003 | Potassium | 7440097 | 5 | 5 | 0 | NA | 2.30E+04 | 3.83E+04 | 3.12E+04 | NA | No | No | |
| H | Shallow | HGDHGW004 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.78E+04 | 2.62E+04 | 2.11E+04 | NA | No | No | |
| H | Shallow | HGDHGW005 | Potassium | 7440097 | 4 | 4 | 0 | NA | 4.58E+04 | 1.10E+05 | 7.00E+04 | NA | No | No | |
| H | Shallow | HGDHGW006 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.18E+04 | 3.40E+04 | 2.17E+04 | NA | No | No | |
| H | Shallow | HGDHGW007 | Potassium | 7440097 | 4 | 3 | 1 | 7.41E+03 | 5.01E+03 | 1.10E+04 | 7.32E+03 | NA | No | No | No |
| H | Shallow | HGDHGW008 | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.42E+04 | 3.76E+04 | 3.57E+04 | NA | No | No | |
| H | Shallow | HGDHGW009 | Potassium | 7440097 | 4 | 4 | 0 | NA | 6.95E+04 | 1.35E+05 | 8.82E+04 | NA | No | No | |
| H | Shallow | HGDHGW010 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.12E+04 | 4.24E+04 | 2.90E+04 | NA | No | No | |
| H | Shallow | HGDHGW011 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.22E+05 | 1.53E+05 | 1.39E+05 | NA | No | No | |
| H | Shallow | HGDHGW001 | Selenium | 7782492 | 4 | 0 | 4 | 2.80E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Shallow | HGDHGW002 | Selenium | 7782492 | 4 | 0 | 4 | 4.60E+01 | NA | NA | NA | 5.00E+01 | | | No |
| H | Shallow | HGDHGW003 | Selenium | 7782492 | 5 | 0 | 5 | 1.15E+01 | NA | NA | NA | 5.00E+01 | | | No |
| H | Shallow | HGDHGW004 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW005 | Selenium | 7782492 | 4 | 1 | 3 | 2.80E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW006 | Selenium | 7782492 | 4 | 2 | 2 | 2.80E+00 | 1.10E+00 | 5.00E+00 | 3.05E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW007 | Selenium | 7782492 | 4 | 2 | 2 | 3.70E+00 | 1.40E+00 | 1.50E+00 | 1.45E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW008 | Selenium | 7782492 | 4 | 0 | 4 | 3.60E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Shallow | HGDHGW009 | Selenium | 7782492 | 4 | 1 | 3 | 4.00E+00 | 1.80E+00 | 1.80E+00 | 1.80E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW010 | Selenium | 7782492 | 4 | 1 | 3 | 4.00E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 5.00E+01 | No | No | No |
| H | Shallow | HGDHGW011 | Selenium | 7782492 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Shallow | HGDHGW001 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW002 | Silver | 7440224 | 4 | 0 | 4 | 2.38E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW003 | Silver | 7440224 | 5 | 0 | 5 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW004 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW005 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW006 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW007 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW008 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW009 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW010 | Silver | 7440224 | 4 | 1 | 3 | 3.40E+00 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 1.00E+02 | No | No | No |
| H | Shallow | HGDHGW011 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Shallow | HGDHGW001 | Thallium | 7440280 | 4 | 0 | 4 | 3.30E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Shallow | HGDHGW002 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Shallow | HGDHGW003 | Thallium | 7440280 | 7 | 1 | 6 | 1.25E+01 | 4.00E+00 | 4.00E+00 | 4.00E+00 | 2.00E+00 | Yes | Yes | Yes |
| H | Shallow | HGDHGW004 | Thallium | 7440280 | 4 | 2 | 2 | 3.70E+00 | 1.90E+00 | 5.30E+00 | 3.60E+00 | 2.00E+00 | Yes | Yes | Yes |
| H | Shallow | HGDHGW005 | Thallium | 7440280 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Shallow | HGDHGW006 | Thallium | 7440280 | 6 | 2 | 4 | 3.70E+00 | 2.20E+00 | 3.50E+00 | 2.85E+00 | 2.00E+00 | Yes | Yes | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW007 | Thallium | 7440280 | 4 | 0 | 4 | 3.70E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Shallow | HGDHGW008 | Thallium | 7440280 | 4 | 0 | 4 | 3.30E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Shallow | HGDHGW009 | Thallium | 7440280 | 4 | 2 | 2 | 6.40E+00 | 4.40E+00 | 1.05E+02 | 5.47E+01 | 2.00E+00 | Yes | Yes | Yes |
| H | Shallow | HGDHGW010 | Thallium | 7440280 | 4 | 1 | 3 | 6.40E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 2.00E+00 | Yes | Yes | Yes |
| H | Shallow | HGDHGW011 | Thallium | 7440280 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Shallow | HGDHGW001 | Tin (Sn) | 7440315 | 1 | 0 | 1 | 3.40E+00 | NA | NA | NA | NA | | | No |
| H | Shallow | HGDHGW002 | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Shallow | HGDHGW003 | Tin (Sn) | 7440315 | 2 | 0 | 2 | 2.95E+01 | NA | NA | NA | NA | | | No |
| H | Shallow | HGDHGW004 | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Shallow | HGDHGW005 | Tin (Sn) | 7440315 | 1 | 0 | 1 | 3.30E+00 | NA | NA | NA | NA | | | No |
| H | Shallow | HGDHGW006 | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Shallow | HGDHGW007 | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 3.40E+00 | 3.40E+00 | 3.40E+00 | NA | No | No | |
| H | Shallow | HGDHGW008 | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 2.80E+00 | 2.80E+00 | 2.80E+00 | NA | No | No | |
| H | Shallow | HGDHGW009 | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 4.00E+00 | 4.00E+00 | 4.00E+00 | NA | No | No | |
| H | Shallow | HGDHGW010 | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Shallow | HGDHGW011 | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 2.80E+00 | 2.80E+00 | 2.80E+00 | NA | No | No | |
| H | Shallow | HGDHGW001 | Vanadium | 7440622 | 4 | 0 | 4 | 4.60E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Shallow | HGDHGW002 | Vanadium | 7440622 | 4 | 2 | 2 | 2.17E+01 | 6.30E+00 | 7.70E+00 | 7.00E+00 | 2.56E+02 | No | No | No |
| H | Shallow | HGDHGW003 | Vanadium | 7440622 | 5 | 2 | 3 | 3.20E+00 | 1.80E+00 | 4.80E+00 | 3.30E+00 | 2.56E+02 | No | No | No |
| H | Shallow | HGDHGW004 | Vanadium | 7440622 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Shallow | HGDHGW005 | Vanadium | 7440622 | 4 | 0 | 4 | 7.10E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Shallow | HGDHGW006 | Vanadium | 7440622 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Shallow | HGDHGW007 | Vanadium | 7440622 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Shallow | HGDHGW008 | Vanadium | 7440622 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 2.56E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Shallow | HGDHGW009 | Vanadium | 7440622 | 4 | 0 | 4 | 6.30E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Shallow | HGDHGW010 | Vanadium | 7440622 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Shallow | HGDHGW011 | Vanadium | 7440622 | 4 | 1 | 3 | 8.30E+00 | 7.60E+00 | 7.60E+00 | 7.60E+00 | 2.56E+02 | No | No | No |
| H | Shallow | HGDHGW001 | Zinc | 7440666 | 4 | 0 | 4 | 1.15E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Shallow | HGDHGW002 | Zinc | 7440666 | 4 | 0 | 4 | 2.45E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Shallow | HGDHGW003 | Zinc | 7440666 | 5 | 1 | 4 | 6.50E+00 | 1.17E+01 | 1.17E+01 | 1.17E+01 | 5.00E+03 | No | No | No |
| H | Shallow | HGDHGW004 | Zinc | 7440666 | 4 | 0 | 4 | 3.20E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Shallow | HGDHGW005 | Zinc | 7440666 | 4 | 0 | 4 | 3.92E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Shallow | HGDHGW006 | Zinc | 7440666 | 4 | 1 | 3 | 4.35E+01 | 7.50E+00 | 7.50E+00 | 7.50E+00 | 5.00E+03 | No | No | No |
| H | Shallow | HGDHGW007 | Zinc | 7440666 | 4 | 1 | 3 | 1.77E+01 | 6.60E+00 | 6.60E+00 | 6.60E+00 | 5.00E+03 | No | No | No |
| H | Shallow | HGDHGW008 | Zinc | 7440666 | 4 | 0 | 4 | 2.70E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Shallow | HGDHGW009 | Zinc | 7440666 | 4 | 0 | 4 | 2.14E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Shallow | HGDHGW010 | Zinc | 7440666 | 4 | 0 | 4 | 1.32E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Shallow | HGDHGW011 | Zinc | 7440666 | 4 | 1 | 3 | 2.17E+01 | 1.23E+02 | 1.23E+02 | 1.23E+02 | 5.00E+03 | No | No | No |
| H | Deep | HGDHGW01D | Aluminum | 7429905 | 4 | 1 | 3 | 1.80E+01 | 3.72E+02 | 3.72E+02 | 3.72E+02 | 2.00E+02 | Yes | Yes | No |
| H | Deep | HGDHGW02D | Aluminum | 7429905 | 4 | 0 | 4 | 1.05E+02 | NA | NA | NA | 2.00E+02 | | | No |
| H | Deep | HGDHGW03D | Aluminum | 7429905 | 4 | 0 | 4 | 1.90E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Deep | HGDHGW04D | Aluminum | 7429905 | 4 | 0 | 4 | 3.16E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Deep | HGDHGW05D | Aluminum | 7429905 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Deep | HGDHGW06D | Aluminum | 7429905 | 4 | 0 | 4 | 2.92E+02 | NA | NA | NA | 2.00E+02 | | | Yes |
| H | Deep | HGDHGW07D | Aluminum | 7429905 | 4 | 1 | 3 | 3.59E+01 | 1.61E+01 | 1.61E+01 | 1.61E+01 | 2.00E+02 | No | No | No |
| H | Deep | HGDHGW08D | Aluminum | 7429905 | 4 | 0 | 4 | 1.90E+01 | NA | NA | NA | 2.00E+02 | | | No |
| H | Deep | HGDHGW09D | Aluminum | 7429905 | 4 | 1 | 3 | 1.51E+02 | 4.74E+02 | 4.74E+02 | 4.74E+02 | 2.00E+02 | Yes | Yes | No |
| H | Deep | HGDHGW10D | Aluminum | 7429905 | 4 | 3 | 1 | 8.05E+01 | 1.05E+02 | 3.62E+03 | 2.08E+03 | 2.00E+02 | Yes | Yes | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW11D | Aluminum | 7429905 | 4 | 4 | 0 | NA | 2.07E+02 | 3.33E+03 | 1.22E+03 | 2.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW01D | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW02D | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW03D | Antimony | 7440360 | 6 | 0 | 6 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW04D | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW05D | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW06D | Antimony | 7440360 | 6 | 0 | 6 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW07D | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW08D | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW09D | Antimony | 7440360 | 4 | 1 | 3 | 1.60E+01 | 1.15E+01 | 1.15E+01 | 1.15E+01 | 6.00E+00 | Yes | Yes | Yes |
| H | Deep | HGDHGW10D | Antimony | 7440360 | 4 | 1 | 3 | 1.60E+01 | 1.15E+01 | 1.15E+01 | 1.15E+01 | 6.00E+00 | Yes | Yes | Yes |
| H | Deep | HGDHGW11D | Antimony | 7440360 | 4 | 0 | 4 | 1.60E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| H | Deep | HGDHGW01D | Arsenic | 7440382 | 4 | 0 | 4 | 3.60E+01 | NA | NA | NA | 5.00E+01 | | | No |
| H | Deep | HGDHGW02D | Arsenic | 7440382 | 4 | 0 | 4 | 2.70E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Deep | HGDHGW03D | Arsenic | 7440382 | 8 | 1 | 7 | 4.60E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW04D | Arsenic | 7440382 | 4 | 1 | 3 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW05D | Arsenic | 7440382 | 4 | 1 | 3 | 4.30E+00 | 2.20E+00 | 2.20E+00 | 2.20E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW06D | Arsenic | 7440382 | 8 | 2 | 6 | 4.50E+00 | 2.70E+00 | 8.20E+00 | 5.45E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW07D | Arsenic | 7440382 | 4 | 1 | 3 | 3.80E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW08D | Arsenic | 7440382 | 4 | 1 | 3 | 2.70E+00 | 2.00E+00 | 2.00E+00 | 2.00E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW09D | Arsenic | 7440382 | 4 | 2 | 2 | 3.00E+00 | 1.60E+00 | 2.20E+00 | 1.90E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW10D | Arsenic | 7440382 | 4 | 2 | 2 | 3.80E+00 | 3.40E+00 | 3.90E+00 | 3.65E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW11D | Arsenic | 7440382 | 4 | 1 | 3 | 3.80E+00 | 3.30E+00 | 3.30E+00 | 3.30E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW01D | Barium | 7440393 | 4 | 0 | 4 | 3.52E+01 | NA | NA | NA | 2.00E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW02D | Barium | 7440393 | 4 | 0 | 4 | 3.49E+01 | NA | NA | NA | 2.00E+03 | | | No |
| H | Deep | HGDHGW03D | Barium | 7440393 | 4 | 2 | 2 | 5.56E+01 | 4.08E+01 | 5.98E+01 | 5.03E+01 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW04D | Barium | 7440393 | 4 | 2 | 2 | 6.72E+01 | 4.83E+01 | 5.36E+01 | 5.10E+01 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW05D | Barium | 7440393 | 4 | 1 | 3 | 7.21E+01 | 5.81E+01 | 5.81E+01 | 5.81E+01 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW06D | Barium | 7440393 | 4 | 2 | 2 | 1.16E+02 | 8.77E+01 | 9.57E+01 | 9.17E+01 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW07D | Barium | 7440393 | 4 | 3 | 1 | 1.20E+02 | 8.47E+01 | 1.02E+02 | 9.31E+01 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW08D | Barium | 7440393 | 4 | 2 | 2 | 8.08E+01 | 7.51E+01 | 8.45E+01 | 7.98E+01 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW09D | Barium | 7440393 | 4 | 2 | 2 | 3.22E+01 | 3.01E+01 | 3.37E+01 | 3.19E+01 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW10D | Barium | 7440393 | 4 | 0 | 4 | 4.74E+01 | NA | NA | NA | 2.00E+03 | | | No |
| H | Deep | HGDHGW11D | Barium | 7440393 | 4 | 1 | 3 | 4.50E+01 | 8.71E+02 | 8.71E+02 | 8.71E+02 | 2.00E+03 | No | No | No |
| H | Deep | HGDHGW01D | Beryllium | 7440417 | 4 | 0 | 4 | 9.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW02D | Beryllium | 7440417 | 4 | 1 | 3 | 7.10E-01 | 7.10E-01 | 7.10E-01 | 7.10E-01 | 4.00E+00 | No | No | No |
| H | Deep | HGDHGW03D | Beryllium | 7440417 | 7 | 3 | 4 | 6.00E-01 | 8.20E-01 | 1.00E+00 | 8.90E-01 | 4.00E+00 | No | No | No |
| H | Deep | HGDHGW04D | Beryllium | 7440417 | 4 | 1 | 3 | 3.00E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 4.00E+00 | No | No | No |
| H | Deep | HGDHGW05D | Beryllium | 7440417 | 4 | 0 | 4 | 9.60E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW06D | Beryllium | 7440417 | 7 | 0 | 7 | 9.60E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW07D | Beryllium | 7440417 | 4 | 0 | 4 | 8.00E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW08D | Beryllium | 7440417 | 4 | 0 | 4 | 8.90E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW09D | Beryllium | 7440417 | 4 | 0 | 4 | 8.30E-01 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW10D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW11D | Beryllium | 7440417 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 4.00E+00 | | | No |
| H | Deep | HGDHGW01D | Cadmium | 7440439 | 4 | 1 | 3 | 2.10E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 5.00E+00 | No | No | No |
| H | Deep | HGDHGW02D | Cadmium | 7440439 | 4 | 1 | 3 | 2.10E+00 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 5.00E+00 | No | No | No |
| H | Deep | HGDHGW03D | Cadmium | 7440439 | 4 | 2 | 2 | 1.40E+00 | 2.60E+00 | 4.90E+00 | 3.75E+00 | 5.00E+00 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW04D | Cadmium | 7440439 | 4 | 2 | 2 | 2.10E+00 | 1.50E+00 | 5.80E+00 | 3.65E+00 | 5.00E+00 | Yes | No | No |
| H | Deep | HGDHGW05D | Cadmium | 7440439 | 4 | 2 | 2 | 2.10E+00 | 2.00E+00 | 6.20E+00 | 4.10E+00 | 5.00E+00 | Yes | No | No |
| H | Deep | HGDHGW06D | Cadmium | 7440439 | 4 | 1 | 3 | 2.10E+00 | 5.00E+00 | 5.00E+00 | 5.00E+00 | 5.00E+00 | No | No | No |
| H | Deep | HGDHGW07D | Cadmium | 7440439 | 4 | 1 | 3 | 2.10E+00 | 4.80E+00 | 4.80E+00 | 4.80E+00 | 5.00E+00 | No | No | No |
| H | Deep | HGDHGW08D | Cadmium | 7440439 | 4 | 1 | 3 | 2.10E+00 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 5.00E+00 | No | No | No |
| H | Deep | HGDHGW09D | Cadmium | 7440439 | 4 | 1 | 3 | 2.10E+00 | 5.30E+00 | 5.30E+00 | 5.30E+00 | 5.00E+00 | Yes | Yes | No |
| H | Deep | HGDHGW10D | Cadmium | 7440439 | 4 | 1 | 3 | 2.10E+00 | 5.30E+00 | 5.30E+00 | 5.30E+00 | 5.00E+00 | Yes | Yes | No |
| H | Deep | HGDHGW11D | Cadmium | 7440439 | 4 | 2 | 2 | 2.10E+00 | 2.30E+00 | 5.40E+00 | 3.85E+00 | 5.00E+00 | Yes | No | No |
| H | Deep | HGDHGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.08E+05 | 1.29E+05 | 1.17E+05 | NA | No | No | |
| H | Deep | HGDHGW02D | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.17E+04 | 9.65E+04 | 9.40E+04 | NA | No | No | |
| H | Deep | HGDHGW03D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.62E+05 | 2.04E+05 | 1.92E+05 | NA | No | No | |
| H | Deep | HGDHGW04D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.03E+05 | 2.28E+05 | 2.17E+05 | NA | No | No | |
| H | Deep | HGDHGW05D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.23E+05 | 1.45E+05 | 1.35E+05 | NA | No | No | |
| H | Deep | HGDHGW06D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.43E+05 | 1.56E+05 | 1.49E+05 | NA | No | No | |
| H | Deep | HGDHGW07D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.80E+05 | 2.21E+05 | 2.01E+05 | NA | No | No | |
| H | Deep | HGDHGW08D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.71E+05 | 1.91E+05 | 1.81E+05 | NA | No | No | |
| H | Deep | HGDHGW09D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.12E+05 | 1.24E+05 | 1.16E+05 | NA | No | No | |
| H | Deep | HGDHGW10D | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.51E+04 | 9.29E+04 | 8.85E+04 | NA | No | No | |
| H | Deep | HGDHGW11D | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.65E+03 | 1.06E+05 | 7.80E+04 | NA | No | No | |
| H | Deep | HGDHGW01D | Chromium, Total | 7440473 | 4 | 1 | 3 | 9.70E+00 | 1.50E+00 | 1.50E+00 | 1.50E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW02D | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.60E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW03D | Chromium, Total | 7440473 | 6 | 2 | 4 | 4.30E+00 | 7.60E-01 | 3.50E+00 | 2.13E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW04D | Chromium, Total | 7440473 | 4 | 2 | 2 | 4.30E+00 | 1.90E+00 | 2.70E+00 | 2.30E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW05D | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.00E+00 | 9.30E-01 | 9.30E-01 | 9.30E-01 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW06D | Chromium, Total | 7440473 | 6 | 4 | 2 | 2.40E+00 | 7.60E-01 | 7.40E+00 | 4.02E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW07D | Chromium, Total | 7440473 | 4 | 1 | 3 | 4.30E+00 | 2.90E+00 | 2.90E+00 | 2.90E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW08D | Chromium, Total | 7440473 | 4 | 1 | 3 | 4.30E+00 | 4.40E+00 | 4.40E+00 | 4.40E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW09D | Chromium, Total | 7440473 | 4 | 1 | 3 | 4.30E+00 | 1.16E+01 | 1.16E+01 | 1.16E+01 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW10D | Chromium, Total | 7440473 | 4 | 1 | 3 | 8.10E+00 | 8.00E+00 | 8.00E+00 | 8.00E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW11D | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.17E+01 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW01D | Cobalt | 7440484 | 4 | 0 | 4 | 2.40E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Deep | HGDHGW02D | Cobalt | 7440484 | 4 | 0 | 4 | 2.40E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Deep | HGDHGW03D | Cobalt | 7440484 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Deep | HGDHGW04D | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 2.19E+03 | No | No | No |
| H | Deep | HGDHGW05D | Cobalt | 7440484 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Deep | HGDHGW06D | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 2.19E+03 | No | No | No |
| H | Deep | HGDHGW07D | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.19E+03 | No | No | No |
| H | Deep | HGDHGW08D | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 2.19E+03 | No | No | No |
| H | Deep | HGDHGW09D | Cobalt | 7440484 | 4 | 1 | 3 | 4.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 2.19E+03 | No | No | No |
| H | Deep | HGDHGW10D | Cobalt | 7440484 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | No |
| H | Deep | HGDHGW11D | Cobalt | 7440484 | 4 | 0 | 4 | 1.02E+01 | NA | NA | NA | 2.19E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW01D | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW02D | Copper | 7440508 | 4 | 1 | 3 | 3.30E+00 | 6.60E-01 | 6.60E-01 | 6.60E-01 | 1.30E+03 | No | No | No |
| H | Deep | HGDHGW03D | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW04D | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW05D | Copper | 7440508 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW06D | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW07D | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW08D | Copper | 7440508 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW09D | Copper | 7440508 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW10D | Copper | 7440508 | 4 | 2 | 2 | 1.38E+01 | 2.04E+01 | 1.18E+02 | 6.92E+01 | 1.30E+03 | No | No | No |
| H | Deep | HGDHGW11D | Copper | 7440508 | 4 | 0 | 4 | 2.19E+01 | NA | NA | NA | 1.30E+03 | | | No |
| H | Deep | HGDHGW01D | Iron | 7439896 | 4 | 4 | 0 | NA | 5.01E+03 | 6.70E+03 | 5.79E+03 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW02D | Iron | 7439896 | 4 | 4 | 0 | NA | 4.27E+03 | 6.95E+03 | 5.52E+03 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW03D | Iron | 7439896 | 4 | 0 | 4 | 1.39E+02 | NA | NA | NA | 3.00E+02 | | | No |
| H | Deep | HGDHGW04D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.89E+02 | 1.54E+03 | 6.55E+02 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW05D | Iron | 7439896 | 4 | 4 | 0 | NA | 4.43E+03 | 4.80E+03 | 4.64E+03 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW06D | Iron | 7439896 | 4 | 1 | 3 | 1.10E+02 | 5.28E+02 | 5.28E+02 | 5.28E+02 | 3.00E+02 | Yes | Yes | No |
| H | Deep | HGDHGW07D | Iron | 7439896 | 4 | 4 | 0 | NA | 5.10E+02 | 9.23E+02 | 6.50E+02 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW08D | Iron | 7439896 | 4 | 3 | 1 | 2.71E+02 | 3.66E+02 | 6.78E+02 | 4.74E+02 | 3.00E+02 | Yes | Yes | No |
| H | Deep | HGDHGW09D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.64E+03 | 3.47E+03 | 3.02E+03 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW10D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.98E+03 | 6.75E+03 | 4.21E+03 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW11D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.81E+03 | 7.18E+03 | 4.57E+03 | 3.00E+02 | Yes | Yes | |
| H | Deep | HGDHGW01D | Lead | 7439921 | 4 | 1 | 3 | 1.70E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 1.50E+01 | No | No | No |
| H | Deep | HGDHGW02D | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW03D | Lead | 7439921 | 6 | 0 | 6 | 2.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Deep | HGDHGW04D | Lead | 7439921 | 4 | 1 | 3 | 1.70E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 1.50E+01 | No | No | No |
| H | Deep | HGDHGW05D | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Deep | HGDHGW06D | Lead | 7439921 | 6 | 1 | 5 | 1.70E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.50E+01 | No | No | No |
| H | Deep | HGDHGW07D | Lead | 7439921 | 4 | 0 | 4 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Deep | HGDHGW08D | Lead | 7439921 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.50E+01 | | | No |
| H | Deep | HGDHGW09D | Lead | 7439921 | 4 | 2 | 2 | 1.90E+00 | 2.80E+00 | 2.90E+00 | 2.85E+00 | 1.50E+01 | No | No | No |
| H | Deep | HGDHGW10D | Lead | 7439921 | 4 | 2 | 2 | 1.90E+00 | 2.70E+00 | 5.90E+00 | 4.30E+00 | 1.50E+01 | No | No | No |
| H | Deep | HGDHGW11D | Lead | 7439921 | 4 | 2 | 2 | 1.70E+00 | 1.20E+00 | 1.90E+00 | 1.55E+00 | 1.50E+01 | No | No | No |
| H | Deep | HGDHGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.59E+05 | 1.00E+06 | 9.20E+05 | NA | No | No | |
| H | Deep | HGDHGW02D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.72E+05 | 6.86E+05 | 6.26E+05 | NA | No | No | |
| H | Deep | HGDHGW03D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.51E+05 | 1.01E+06 | 9.20E+05 | NA | No | No | |
| H | Deep | HGDHGW04D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.74E+05 | 9.90E+05 | 9.23E+05 | NA | No | No | |
| H | Deep | HGDHGW05D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.84E+05 | 9.82E+05 | 9.32E+05 | NA | No | No | |
| H | Deep | HGDHGW06D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.96E+05 | 9.40E+05 | 6.64E+05 | NA | No | No | |
| H | Deep | HGDHGW07D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.07E+05 | 1.15E+06 | 9.49E+05 | NA | No | No | |
| H | Deep | HGDHGW08D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.89E+05 | 9.11E+05 | 8.43E+05 | NA | No | No | |
| H | Deep | HGDHGW09D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 9.27E+05 | 1.13E+06 | 1.02E+06 | NA | No | No | |
| H | Deep | HGDHGW10D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.92E+05 | 7.56E+05 | 7.26E+05 | NA | No | No | |
| H | Deep | HGDHGW11D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.29E+03 | 7.40E+05 | 5.34E+05 | NA | No | No | |
| H | Deep | HGDHGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.55E+02 | 7.60E+02 | 6.79E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW02D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.09E+02 | 1.53E+02 | 1.32E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW03D | Manganese | 7439965 | 4 | 1 | 3 | 9.90E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW04D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.28E+02 | 1.72E+02 | 1.50E+02 | 5.00E+01 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW05D | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.62E+02 | 5.63E+02 | 5.20E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW06D | Manganese | 7439965 | 4 | 2 | 2 | 2.05E+01 | 1.22E+01 | 2.34E+01 | 1.78E+01 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW07D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.26E+02 | 2.07E+02 | 1.62E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW08D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.55E+02 | 5.28E+02 | 4.52E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW09D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.85E+02 | 2.44E+02 | 2.14E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW10D | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.84E+02 | 4.46E+02 | 4.23E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW11D | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.34E+02 | 8.21E+02 | 4.11E+02 | 5.00E+01 | Yes | Yes | |
| H | Deep | HGDHGW01D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Deep | HGDHGW02D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Deep | HGDHGW03D | Mercury | 7439976 | 6 | 0 | 6 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Deep | HGDHGW04D | Mercury | 7439976 | 4 | 1 | 3 | 1.00E-01 | 1.10E-01 | 1.10E-01 | 1.10E-01 | 2.00E+00 | No | No | No |
| H | Deep | HGDHGW05D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Deep | HGDHGW06D | Mercury | 7439976 | 6 | 0 | 6 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Deep | HGDHGW07D | Mercury | 7439976 | 4 | 1 | 3 | 1.00E-01 | 1.70E-01 | 1.70E-01 | 1.70E-01 | 2.00E+00 | No | No | No |
| H | Deep | HGDHGW08D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Deep | HGDHGW09D | Mercury | 7439976 | 4 | 0 | 4 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| H | Deep | HGDHGW10D | Mercury | 7439976 | 4 | 2 | 2 | 1.00E-01 | 1.00E-01 | 1.00E-01 | 1.00E-01 | 2.00E+00 | No | No | No |
| H | Deep | HGDHGW11D | Mercury | 7439976 | 4 | 1 | 3 | 1.00E-01 | 1.10E-01 | 1.10E-01 | 1.10E-01 | 2.00E+00 | No | No | No |
| H | Deep | HGDHGW01D | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW02D | Nickel | 7440020 | 4 | 1 | 3 | 7.20E+00 | 1.28E+01 | 1.28E+01 | 1.28E+01 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW03D | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW04D | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW05D | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW06D | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW07D | Nickel | 7440020 | 4 | 1 | 3 | 1.03E+01 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW08D | Nickel | 7440020 | 4 | 1 | 3 | 1.03E+01 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW09D | Nickel | 7440020 | 4 | 1 | 3 | 1.03E+01 | 4.90E+00 | 4.90E+00 | 4.90E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW10D | Nickel | 7440020 | 4 | 0 | 4 | 1.03E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW11D | Nickel | 7440020 | 4 | 0 | 4 | 4.62E+01 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW01D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.16E+05 | 2.42E+05 | 2.26E+05 | NA | No | No | |
| H | Deep | HGDHGW02D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.80E+05 | 2.03E+05 | 1.94E+05 | NA | No | No | |
| H | Deep | HGDHGW03D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.17E+05 | 3.01E+05 | 2.65E+05 | NA | No | No | |
| H | Deep | HGDHGW04D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.43E+05 | 2.42E+05 | 1.87E+05 | NA | No | No | |
| H | Deep | HGDHGW05D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.36E+05 | 2.45E+05 | 2.42E+05 | NA | No | No | |
| H | Deep | HGDHGW06D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.99E+05 | 2.30E+05 | 2.20E+05 | NA | No | No | |
| H | Deep | HGDHGW07D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.87E+05 | 2.42E+05 | 2.05E+05 | NA | No | No | |
| H | Deep | HGDHGW08D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.05E+05 | 2.61E+05 | 2.42E+05 | NA | No | No | |
| H | Deep | HGDHGW09D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.11E+05 | 3.84E+05 | 2.81E+05 | NA | No | No | |
| H | Deep | HGDHGW10D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.84E+05 | 2.08E+05 | 1.97E+05 | NA | No | No | |
| H | Deep | HGDHGW11D | Potassium | 7440097 | 4 | 4 | 0 | NA | 9.05E+03 | 2.13E+05 | 1.56E+05 | NA | No | No | |
| H | Deep | HGDHGW01D | Selenium | 7782492 | 4 | 1 | 3 | 4.60E+01 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW02D | Selenium | 7782492 | 4 | 1 | 3 | 4.60E+01 | 9.00E-01 | 9.00E-01 | 9.00E-01 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW03D | Selenium | 7782492 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Deep | HGDHGW04D | Selenium | 7782492 | 4 | 0 | 4 | 3.50E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Deep | HGDHGW05D | Selenium | 7782492 | 4 | 1 | 3 | 2.80E+00 | 9.00E-01 | 9.00E-01 | 9.00E-01 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW06D | Selenium | 7782492 | 4 | 1 | 3 | 3.50E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW07D | Selenium | 7782492 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Deep | HGDHGW08D | Selenium | 7782492 | 4 | 0 | 4 | 4.40E+00 | NA | NA | NA | 5.00E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW09D | Selenium | 7782492 | 4 | 1 | 3 | 4.00E+00 | 9.00E-01 | 9.00E-01 | 9.00E-01 | 5.00E+01 | No | No | No |
| H | Deep | HGDHGW10D | Selenium | 7782492 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Deep | HGDHGW11D | Selenium | 7782492 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| H | Deep | HGDHGW01D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW02D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW03D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW04D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW05D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW06D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW07D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW08D | Silver | 7440224 | 4 | 1 | 3 | 3.40E+00 | 2.20E+00 | 2.20E+00 | 2.20E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW09D | Silver | 7440224 | 4 | 1 | 3 | 3.40E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | No | No | No |
| H | Deep | HGDHGW10D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW11D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| H | Deep | HGDHGW01D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Deep | HGDHGW02D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Deep | HGDHGW03D | Thallium | 7440280 | 6 | 0 | 6 | 6.40E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Deep | HGDHGW04D | Thallium | 7440280 | 4 | 1 | 3 | 1.00E+01 | 5.90E+00 | 5.90E+00 | 5.90E+00 | 2.00E+00 | Yes | Yes | Yes |
| H | Deep | HGDHGW05D | Thallium | 7440280 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Deep | HGDHGW06D | Thallium | 7440280 | 6 | 0 | 6 | 1.00E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Deep | HGDHGW07D | Thallium | 7440280 | 4 | 0 | 4 | 6.40E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Deep | HGDHGW08D | Thallium | 7440280 | 4 | 1 | 3 | 6.40E+00 | 5.60E+00 | 5.60E+00 | 5.60E+00 | 2.00E+00 | Yes | Yes | Yes |
| H | Deep | HGDHGW09D | Thallium | 7440280 | 4 | 1 | 3 | 6.40E+00 | 5.80E+00 | 5.80E+00 | 5.80E+00 | 2.00E+00 | Yes | Yes | Yes |
| H | Deep | HGDHGW10D | Thallium | 7440280 | 4 | 0 | 4 | 6.40E+00 | NA | NA | NA | 2.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW11D | Thallium | 7440280 | 4 | 0 | 4 | 6.80E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| H | Deep | HGDHGW01D | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.70E+00 | NA | NA | NA | NA | | | No |
| H | Deep | HGDHGW02D | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 4.00E+00 | 4.00E+00 | 4.00E+00 | NA | No | No | |
| H | Deep | HGDHGW03D | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Deep | HGDHGW04D | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Deep | HGDHGW05D | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.70E+00 | NA | NA | NA | NA | | | No |
| H | Deep | HGDHGW06D | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Deep | HGDHGW07D | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 4.00E+00 | 4.00E+00 | 4.00E+00 | NA | No | No | |
| H | Deep | HGDHGW08D | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 3.40E+00 | 3.40E+00 | 3.40E+00 | NA | No | No | |
| H | Deep | HGDHGW09D | Tin (Sn) | 7440315 | 1 | 0 | 1 | 2.60E+00 | NA | NA | NA | NA | | | No |
| H | Deep | HGDHGW10D | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 2.70E+00 | 2.70E+00 | 2.70E+00 | NA | No | No | |
| H | Deep | HGDHGW11D | Tin (Sn) | 7440315 | 1 | 1 | 0 | NA | 3.20E+00 | 3.20E+00 | 3.20E+00 | NA | No | No | |
| H | Deep | HGDHGW01D | Vanadium | 7440622 | 4 | 1 | 3 | 5.70E+00 | 5.20E+00 | 5.20E+00 | 5.20E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW02D | Vanadium | 7440622 | 4 | 3 | 1 | 5.50E+00 | 1.00E+00 | 4.50E+00 | 3.07E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW03D | Vanadium | 7440622 | 4 | 1 | 3 | 7.00E+00 | 5.30E+00 | 5.30E+00 | 5.30E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW04D | Vanadium | 7440622 | 4 | 2 | 2 | 6.80E+00 | 5.60E+00 | 6.80E+00 | 6.20E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW05D | Vanadium | 7440622 | 4 | 0 | 4 | 5.80E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Deep | HGDHGW06D | Vanadium | 7440622 | 4 | 1 | 3 | 1.03E+01 | 9.00E+00 | 9.00E+00 | 9.00E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW07D | Vanadium | 7440622 | 4 | 1 | 3 | 7.20E+00 | 6.30E+00 | 6.30E+00 | 6.30E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW08D | Vanadium | 7440622 | 4 | 2 | 2 | 4.50E+00 | 4.10E+00 | 4.80E+00 | 4.45E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW09D | Vanadium | 7440622 | 4 | 0 | 4 | 7.90E+00 | NA | NA | NA | 2.56E+02 | | | No |
| H | Deep | HGDHGW10D | Vanadium | 7440622 | 4 | 1 | 3 | 1.21E+01 | 5.30E+00 | 5.30E+00 | 5.30E+00 | 2.56E+02 | No | No | No |
| H | Deep | HGDHGW11D | Vanadium | 7440622 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | 2.56E+02 | | | No |
| H | Deep | HGDHGW01D | Zinc | 7440666 | 4 | 0 | 4 | 5.80E+00 | NA | NA | NA | 5.00E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
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| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| H | Deep | HGDHGW02D | Zinc | 7440666 | 4 | 1 | 3 | 1.71E+01 | 8.10E+01 | 8.10E+01 | 8.10E+01 | 5.00E+03 | No | No | No |
| H | Deep | HGDHGW03D | Zinc | 7440666 | 4 | 0 | 4 | 1.11E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Deep | HGDHGW04D | Zinc | 7440666 | 4 | 0 | 4 | 5.80E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Deep | HGDHGW05D | Zinc | 7440666 | 4 | 0 | 4 | 5.60E+00 | NA | NA | NA | 5.00E+03 | | | No |
| H | Deep | HGDHGW06D | Zinc | 7440666 | 4 | 1 | 3 | 5.80E+00 | 6.19E+01 | 6.19E+01 | 6.19E+01 | 5.00E+03 | No | No | No |
| H | Deep | HGDHGW07D | Zinc | 7440666 | 4 | 0 | 4 | 5.80E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Deep | HGDHGW08D | Zinc | 7440666 | 4 | 0 | 4 | 5.80E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Deep | HGDHGW09D | Zinc | 7440666 | 4 | 0 | 4 | 5.60E+01 | NA | NA | NA | 5.00E+03 | | | No |
| H | Deep | HGDHGW10D | Zinc | 7440666 | 4 | 1 | 3 | 4.07E+01 | 2.54E+02 | 2.54E+02 | 2.54E+02 | 5.00E+03 | No | No | No |
| H | Deep | HGDHGW11D | Zinc | 7440666 | 4 | 2 | 2 | 5.07E+01 | 6.26E+01 | 1.18E+03 | 6.21E+02 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW001 | Aluminum | 7429905 | 4 | 2 | 2 | 1.46E+02 | 1.55E+02 | 2.74E+02 | 2.15E+02 | 2.00E+02 | Yes | Yes | No |
| I | Shallow | IGDIGW002 | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW003 | Aluminum | 7429905 | 4 | 2 | 2 | 8.61E+01 | 6.78E+01 | 1.41E+02 | 1.04E+02 | 2.00E+02 | No | No | No |
| I | Shallow | IGDIGW004 | Aluminum | 7429905 | 4 | 4 | 0 | NA | 8.14E+02 | 1.55E+03 | 1.25E+03 | 2.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW005 | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW006 | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW007 | Aluminum | 7429905 | 6 | 2 | 4 | 1.14E+02 | 5.24E+01 | 1.41E+02 | 9.67E+01 | 2.00E+02 | No | No | No |
| I | Shallow | IGDIGW008 | Aluminum | 7429905 | 6 | 4 | 2 | 7.50E+01 | 4.02E+01 | 5.43E+02 | 2.72E+02 | 2.00E+02 | Yes | Yes | No |
| I | Shallow | IGDIGW009 | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW010 | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW011 | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 3.89E+01 | 3.89E+01 | 3.89E+01 | 2.00E+02 | No | No | No |
| I | Shallow | IGDIGW012 | Aluminum | 7429905 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW013 | Aluminum | 7429905 | 5 | 0 | 5 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW014 | Aluminum | 7429905 | 4 | 1 | 3 | 1.05E+02 | 3.76E+01 | 3.76E+01 | 3.76E+01 | 2.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW015 | Aluminum | 7429905 | 4 | 2 | 2 | 6.76E+01 | 2.51E+01 | 5.78E+01 | 4.15E+01 | 2.00E+02 | No | No | No |
| I | Shallow | IGDIGW016 | Aluminum | 7429905 | 4 | 1 | 3 | 1.08E+02 | 3.37E+01 | 3.37E+01 | 3.37E+01 | 2.00E+02 | No | No | No |
| I | Shallow | IGDIGW017 | Aluminum | 7429905 | 4 | 0 | 4 | 1.03E+02 | NA | NA | NA | 2.00E+02 | | | No |
| I | Shallow | IGDIGW018 | Aluminum | 7429905 | 4 | 3 | 1 | 1.92E+01 | 4.28E+01 | 1.39E+02 | 8.16E+01 | 2.00E+02 | No | No | No |
| I | Shallow | IGDIGW019 | Aluminum | 7429905 | 4 | 3 | 1 | 5.05E+01 | 3.65E+01 | 3.41E+02 | 2.04E+02 | 2.00E+02 | Yes | Yes | No |
| I | Shallow | IGDIGW001 | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW002 | Antimony | 7440360 | 4 | 1 | 3 | 4.00E+00 | 3.10E+00 | 3.10E+00 | 3.10E+00 | 6.00E+00 | No | No | No |
| I | Shallow | IGDIGW003 | Antimony | 7440360 | 5 | 1 | 4 | 5.00E+00 | 3.10E+00 | 3.10E+00 | 3.10E+00 | 6.00E+00 | No | No | No |
| I | Shallow | IGDIGW004 | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW005 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Shallow | IGDIGW006 | Antimony | 7440360 | 4 | 1 | 3 | 4.00E+00 | 3.10E+00 | 3.10E+00 | 3.10E+00 | 6.00E+00 | No | No | No |
| I | Shallow | IGDIGW007 | Antimony | 7440360 | 6 | 0 | 6 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW008 | Antimony | 7440360 | 7 | 1 | 6 | 1.90E+01 | 5.60E+00 | 5.60E+00 | 5.60E+00 | 6.00E+00 | No | No | Yes |
| I | Shallow | IGDIGW009 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Shallow | IGDIGW010 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Shallow | IGDIGW011 | Antimony | 7440360 | 4 | 1 | 3 | 4.00E+00 | 6.10E+00 | 6.10E+00 | 6.10E+00 | 6.00E+00 | Yes | Yes | No |
| I | Shallow | IGDIGW012 | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW013 | Antimony | 7440360 | 5 | 0 | 5 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW014 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Shallow | IGDIGW015 | Antimony | 7440360 | 4 | 1 | 3 | 4.00E+00 | 5.50E+00 | 5.50E+00 | 5.50E+00 | 6.00E+00 | No | No | No |
| I | Shallow | IGDIGW016 | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW017 | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW018 | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Shallow | IGDIGW019 | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW001 | Arsenic | 7440382 | 4 | 3 | 1 | 3.20E+00 | 6.50E+00 | 1.17E+01 | 9.33E+00 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW002 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 5.40E+00 | 1.19E+01 | 8.53E+00 | 5.00E+01 | No | No | |
| I | Shallow | IGDIGW003 | Arsenic | 7440382 | 5 | 2 | 3 | 5.00E+00 | 2.90E+00 | 4.90E+00 | 3.90E+00 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW004 | Arsenic | 7440382 | 4 | 3 | 1 | 1.76E+01 | 1.00E+01 | 2.21E+01 | 1.71E+01 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW005 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW006 | Arsenic | 7440382 | 4 | 2 | 2 | 5.00E+00 | 4.80E+00 | 5.80E+00 | 5.30E+00 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW007 | Arsenic | 7440382 | 6 | 1 | 5 | 5.00E+00 | 3.80E+00 | 3.80E+00 | 3.80E+00 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW008 | Arsenic | 7440382 | 7 | 3 | 4 | 5.00E+00 | 3.40E+00 | 9.00E+00 | 6.30E+00 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW009 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 1.82E+01 | 3.10E+01 | 2.45E+01 | 5.00E+01 | No | No | |
| I | Shallow | IGDIGW010 | Arsenic | 7440382 | 4 | 1 | 3 | 8.50E+00 | 5.10E+00 | 5.10E+00 | 5.10E+00 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW011 | Arsenic | 7440382 | 4 | 1 | 3 | 5.00E+00 | 1.61E+01 | 1.61E+01 | 1.61E+01 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW012 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW013 | Arsenic | 7440382 | 5 | 5 | 0 | NA | 9.70E+00 | 2.39E+01 | 1.77E+01 | 5.00E+01 | No | No | |
| I | Shallow | IGDIGW014 | Arsenic | 7440382 | 4 | 2 | 2 | 6.10E+00 | 1.11E+01 | 1.24E+01 | 1.18E+01 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW015 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW016 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW017 | Arsenic | 7440382 | 4 | 4 | 0 | NA | 2.09E+01 | 6.63E+01 | 4.17E+01 | 5.00E+01 | Yes | No | |
| I | Shallow | IGDIGW018 | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW019 | Arsenic | 7440382 | 4 | 3 | 1 | 3.20E+00 | 1.10E+01 | 2.12E+01 | 1.49E+01 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW001 | Barium | 7440393 | 4 | 3 | 1 | 4.66E+01 | 3.61E+01 | 3.87E+01 | 3.76E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW002 | Barium | 7440393 | 4 | 3 | 1 | 6.20E+01 | 6.81E+01 | 1.02E+02 | 8.59E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW003 | Barium | 7440393 | 4 | 3 | 1 | 7.92E+01 | 7.86E+01 | 1.01E+02 | 8.70E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW004 | Barium | 7440393 | 4 | 3 | 1 | 3.97E+01 | 3.34E+01 | 3.92E+01 | 3.54E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW005 | Barium | 7440393 | 4 | 3 | 1 | 1.12E+02 | 1.20E+02 | 1.47E+02 | 1.30E+02 | 2.00E+03 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW006 | Barium | 7440393 | 4 | 3 | 1 | 5.54E+01 | 5.85E+01 | 6.69E+01 | 6.35E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW007 | Barium | 7440393 | 6 | 4 | 2 | 8.94E+01 | 5.51E+01 | 8.37E+01 | 6.98E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW008 | Barium | 7440393 | 6 | 6 | 0 | NA | 2.39E+01 | 4.27E+01 | 3.24E+01 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW009 | Barium | 7440393 | 4 | 3 | 1 | 4.34E+01 | 4.69E+01 | 6.56E+01 | 5.67E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW010 | Barium | 7440393 | 4 | 3 | 1 | 5.58E+01 | 2.53E+01 | 3.47E+01 | 3.15E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW011 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.40E+02 | 2.78E+02 | 1.84E+02 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW012 | Barium | 7440393 | 4 | 4 | 0 | NA | 8.30E+00 | 2.53E+01 | 1.69E+01 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW013 | Barium | 7440393 | 5 | 5 | 0 | NA | 3.74E+01 | 5.62E+01 | 4.60E+01 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW014 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.54E+01 | 1.82E+01 | 1.68E+01 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW015 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.17E+01 | 5.27E+01 | 3.66E+01 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW016 | Barium | 7440393 | 4 | 3 | 1 | 5.00E+00 | 2.50E+00 | 7.10E+00 | 4.67E+00 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW017 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.53E+01 | 2.08E+01 | 1.85E+01 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW018 | Barium | 7440393 | 4 | 4 | 0 | NA | 1.86E+01 | 8.31E+01 | 3.55E+01 | 2.00E+03 | No | No | |
| I | Shallow | IGDIGW019 | Barium | 7440393 | 4 | 3 | 1 | 1.50E+01 | 1.95E+01 | 2.99E+01 | 2.33E+01 | 2.00E+03 | No | No | No |
| I | Shallow | IGDIGW001 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW002 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 7.30E-01 | 7.30E-01 | 7.30E-01 | 4.00E+00 | No | No | No |
| I | Shallow | IGDIGW003 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 9.60E-01 | 9.60E-01 | 9.60E-01 | 4.00E+00 | No | No | No |
| I | Shallow | IGDIGW004 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW005 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 9.80E-01 | 9.80E-01 | 9.80E-01 | 4.00E+00 | No | No | No |
| I | Shallow | IGDIGW006 | Beryllium | 7440417 | 4 | 2 | 2 | 8.80E-01 | 9.40E-01 | 1.10E+00 | 1.02E+00 | 4.00E+00 | No | No | No |
| I | Shallow | IGDIGW007 | Beryllium | 7440417 | 6 | 0 | 6 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW008 | Beryllium | 7440417 | 6 | 0 | 6 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW009 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW010 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 4.00E+00 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW011 | Beryllium | 7440417 | 4 | 2 | 2 | 1.40E+00 | 1.00E+00 | 1.20E+00 | 1.10E+00 | 4.00E+00 | No | No | No |
| I | Shallow | IGDIGW012 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW013 | Beryllium | 7440417 | 5 | 1 | 4 | 1.00E+00 | 4.60E-01 | 4.60E-01 | 4.60E-01 | 4.00E+00 | No | No | No |
| I | Shallow | IGDIGW014 | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 3.20E-01 | 3.20E-01 | 3.20E-01 | 4.00E+00 | No | No | No |
| I | Shallow | IGDIGW015 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW016 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW017 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW018 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW019 | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Shallow | IGDIGW001 | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW002 | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 7.60E-01 | 7.60E-01 | 7.60E-01 | 5.00E+00 | No | No | No |
| I | Shallow | IGDIGW003 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW004 | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW005 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW006 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW007 | Cadmium | 7440439 | 6 | 1 | 5 | 4.00E+00 | 2.30E+00 | 2.30E+00 | 2.30E+00 | 5.00E+00 | No | No | No |
| I | Shallow | IGDIGW008 | Cadmium | 7440439 | 6 | 0 | 6 | 2.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW009 | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 5.20E-01 | 5.20E-01 | 5.20E-01 | 5.00E+00 | No | No | No |
| I | Shallow | IGDIGW010 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW011 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW012 | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW013 | Cadmium | 7440439 | 5 | 0 | 5 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW014 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW015 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW016 | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW017 | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW018 | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW019 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Shallow | IGDIGW001 | Calcium | 7440702 | 4 | 4 | 0 | NA | 3.24E+05 | 4.75E+05 | 3.95E+05 | NA | No | No | |
| I | Shallow | IGDIGW002 | Calcium | 7440702 | 4 | 4 | 0 | NA | 3.96E+05 | 6.68E+05 | 4.95E+05 | NA | No | No | |
| I | Shallow | IGDIGW003 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.13E+05 | 2.24E+05 | 2.18E+05 | NA | No | No | |
| I | Shallow | IGDIGW004 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.22E+05 | 2.71E+05 | 2.46E+05 | NA | No | No | |
| I | Shallow | IGDIGW005 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.33E+05 | 3.11E+05 | 2.69E+05 | NA | No | No | |
| I | Shallow | IGDIGW006 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.00E+05 | 2.25E+05 | 2.08E+05 | NA | No | No | |
| I | Shallow | IGDIGW007 | Calcium | 7440702 | 6 | 6 | 0 | NA | 2.01E+05 | 3.05E+05 | 2.57E+05 | NA | No | No | |
| I | Shallow | IGDIGW008 | Calcium | 7440702 | 6 | 6 | 0 | NA | 2.15E+05 | 2.88E+05 | 2.56E+05 | NA | No | No | |
| I | Shallow | IGDIGW009 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.46E+05 | 4.03E+05 | 3.15E+05 | NA | No | No | |
| I | Shallow | IGDIGW010 | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.52E+05 | 3.57E+05 | 3.12E+05 | NA | No | No | |
| I | Shallow | IGDIGW011 | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.29E+05 | 9.80E+05 | 9.08E+05 | NA | No | No | |
| I | Shallow | IGDIGW012 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.07E+05 | 1.73E+05 | 1.44E+05 | NA | No | No | |
| I | Shallow | IGDIGW013 | Calcium | 7440702 | 5 | 5 | 0 | NA | 1.93E+05 | 3.08E+05 | 2.62E+05 | NA | No | No | |
| I | Shallow | IGDIGW014 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.28E+05 | 1.81E+05 | 1.54E+05 | NA | No | No | |
| I | Shallow | IGDIGW015 | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.94E+04 | 2.87E+05 | 2.15E+05 | NA | No | No | |
| I | Shallow | IGDIGW016 | Calcium | 7440702 | 4 | 4 | 0 | NA | 3.90E+04 | 8.52E+04 | 6.23E+04 | NA | No | No | |
| I | Shallow | IGDIGW017 | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.26E+04 | 1.25E+05 | 1.08E+05 | NA | No | No | |
| I | Shallow | IGDIGW018 | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.49E+04 | 8.35E+04 | 8.02E+04 | NA | No | No | |
| I | Shallow | IGDIGW019 | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.42E+05 | 1.93E+05 | 1.72E+05 | NA | No | No | |
| I | Shallow | IGDIGW001 | Chromium, | 7440473 | 4 | 2 | 2 | 5.00E+00 | 1.10E+00 | 5.70E+00 | 3.40E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| | | | Total | | | | | | | | | | | | |
| I | Shallow | IGDIGW002 | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.00E+00 | 9.40E-01 | 9.40E-01 | 9.40E-01 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW003 | Chromium, Total | 7440473 | 4 | 3 | 1 | 1.00E+00 | 1.50E+00 | 2.30E+00 | 1.77E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW004 | Chromium, Total | 7440473 | 4 | 3 | 1 | 5.00E+00 | 3.40E+00 | 7.10E+00 | 4.83E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW005 | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 1.90E+00 | 2.38E+01 | 1.29E+01 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW006 | Chromium, Total | 7440473 | 4 | 4 | 0 | NA | 1.50E+00 | 2.20E+00 | 1.83E+00 | 1.00E+02 | No | No | |
| I | Shallow | IGDIGW007 | Chromium, Total | 7440473 | 6 | 3 | 3 | 5.00E+00 | 1.50E+00 | 1.21E+01 | 6.87E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW008 | Chromium, Total | 7440473 | 6 | 2 | 4 | 1.70E+00 | 3.70E+00 | 2.27E+01 | 1.32E+01 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW009 | Chromium, Total | 7440473 | 4 | 3 | 1 | 1.00E+00 | 1.20E+00 | 1.60E+00 | 1.37E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW010 | Chromium, Total | 7440473 | 4 | 3 | 1 | 1.00E+00 | 9.00E-01 | 2.80E+00 | 1.93E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW011 | Chromium, Total | 7440473 | 4 | 4 | 0 | NA | 2.10E+00 | 1.43E+01 | 7.13E+00 | 1.00E+02 | No | No | |
| I | Shallow | IGDIGW012 | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.00E+00 | 2.20E+00 | 2.20E+00 | 2.20E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW013 | Chromium, Total | 7440473 | 5 | 1 | 4 | 5.00E+00 | 1.34E+01 | 1.34E+01 | 1.34E+01 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW014 | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW015 | Chromium, Total | 7440473 | 4 | 0 | 4 | 2.30E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW016 | Chromium, Total | 7440473 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW017 | Chromium, Total | 7440473 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW018 | Chromium, Total | 7440473 | 4 | 2 | 2 | 5.00E+00 | 1.80E+00 | 8.10E+00 | 4.95E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW019 | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.00E+00 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW001 | Cobalt | 7440484 | 4 | 1 | 3 | 5.00E+00 | 7.00E-01 | 7.00E-01 | 7.00E-01 | 2.19E+03 | No | No | No |
| I | Shallow | IGDIGW002 | Cobalt | 7440484 | 4 | 2 | 2 | 6.30E+00 | 2.10E+00 | 4.20E+00 | 3.15E+00 | 2.19E+03 | No | No | No |
| I | Shallow | IGDIGW003 | Cobalt | 7440484 | 4 | 1 | 3 | 2.70E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 2.19E+03 | No | No | No |
| I | Shallow | IGDIGW004 | Cobalt | 7440484 | 4 | 1 | 3 | 5.00E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 2.19E+03 | No | No | No |
| I | Shallow | IGDIGW005 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW006 | Cobalt | 7440484 | 4 | 1 | 3 | 4.30E+00 | 9.60E-01 | 9.60E-01 | 9.60E-01 | 2.19E+03 | No | No | No |
| I | Shallow | IGDIGW007 | Cobalt | 7440484 | 6 | 1 | 5 | 5.00E+00 | 6.60E-01 | 6.60E-01 | 6.60E-01 | 2.19E+03 | No | No | No |
| I | Shallow | IGDIGW008 | Cobalt | 7440484 | 6 | 1 | 5 | 4.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 2.19E+03 | No | No | No |
| I | Shallow | IGDIGW009 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW010 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW011 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW012 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW013 | Cobalt | 7440484 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW014 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW015 | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW016 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW017 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW018 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW019 | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Shallow | IGDIGW001 | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.30E+03 | No | No | No |
| I | Shallow | IGDIGW002 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW003 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW004 | Copper | 7440508 | 4 | 3 | 1 | 2.30E+00 | 2.50E+00 | 5.20E+00 | 4.03E+00 | 1.30E+03 | No | No | No |
| I | Shallow | IGDIGW005 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW006 | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.30E+03 | No | No | No |
| I | Shallow | IGDIGW007 | Copper | 7440508 | 6 | 1 | 5 | 4.90E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.30E+03 | No | No | No |
| I | Shallow | IGDIGW008 | Copper | 7440508 | 6 | 0 | 6 | 6.90E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW009 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW010 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW011 | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW012 | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW013 | Copper | 7440508 | 5 | 0 | 5 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW014 | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 1.30E+03 | No | No | No |
| I | Shallow | IGDIGW015 | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.30E+03 | No | No | No |
| I | Shallow | IGDIGW016 | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW017 | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW018 | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Shallow | IGDIGW019 | Copper | 7440508 | 4 | 1 | 3 | 3.20E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.30E+03 | No | No | No |
| I | Shallow | IGDIGW001 | Iron | 7439896 | 4 | 4 | 0 | NA | 9.81E+02 | 7.11E+03 | 3.85E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW002 | Iron | 7439896 | 4 | 4 | 0 | NA | 3.99E+03 | 2.37E+04 | 1.23E+04 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW003 | Iron | 7439896 | 4 | 4 | 0 | NA | 6.19E+03 | 8.53E+03 | 7.08E+03 | 3.00E+02 | Yes | Yes | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW004 | Iron | 7439896 | 4 | 4 | 0 | NA | 9.32E+03 | 1.19E+04 | 1.09E+04 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW005 | Iron | 7439896 | 4 | 4 | 0 | NA | 6.05E+02 | 4.28E+03 | 1.81E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW006 | Iron | 7439896 | 4 | 2 | 2 | 3.20E+01 | 7.45E+01 | 1.11E+02 | 9.28E+01 | 3.00E+02 | No | No | No |
| I | Shallow | IGDIGW007 | Iron | 7439896 | 6 | 6 | 0 | NA | 4.22E+03 | 1.15E+04 | 6.68E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW008 | Iron | 7439896 | 6 | 6 | 0 | NA | 3.79E+02 | 7.22E+03 | 4.21E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW009 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.53E+04 | 3.19E+04 | 2.26E+04 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW010 | Iron | 7439896 | 4 | 3 | 1 | 2.00E+01 | 1.75E+02 | 6.71E+03 | 2.78E+03 | 3.00E+02 | Yes | Yes | No |
| I | Shallow | IGDIGW011 | Iron | 7439896 | 4 | 4 | 0 | NA | 1.89E+02 | 1.38E+03 | 6.06E+02 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW012 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.99E+02 | 3.95E+03 | 2.36E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW013 | Iron | 7439896 | 5 | 5 | 0 | NA | 8.95E+03 | 1.90E+04 | 1.39E+04 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW014 | Iron | 7439896 | 4 | 4 | 0 | NA | 5.53E+03 | 1.42E+04 | 1.07E+04 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW015 | Iron | 7439896 | 4 | 4 | 0 | NA | 7.56E+02 | 1.85E+04 | 6.48E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW016 | Iron | 7439896 | 4 | 4 | 0 | NA | 6.94E+02 | 4.46E+03 | 2.22E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW017 | Iron | 7439896 | 4 | 4 | 0 | NA | 6.28E+03 | 9.88E+03 | 8.78E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW018 | Iron | 7439896 | 4 | 3 | 1 | 1.02E+02 | 4.89E+01 | 1.55E+02 | 1.12E+02 | 3.00E+02 | No | No | No |
| I | Shallow | IGDIGW019 | Iron | 7439896 | 4 | 4 | 0 | NA | 3.45E+03 | 4.97E+03 | 4.30E+03 | 3.00E+02 | Yes | Yes | |
| I | Shallow | IGDIGW001 | Lead | 7439921 | 4 | 2 | 2 | 3.00E+00 | 4.70E+00 | 8.50E+00 | 6.60E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW002 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 1.56E+01 | 1.56E+01 | 1.56E+01 | 1.50E+01 | Yes | Yes | No |
| I | Shallow | IGDIGW003 | Lead | 7439921 | 5 | 1 | 4 | 3.00E+00 | 2.70E+00 | 2.70E+00 | 2.70E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW004 | Lead | 7439921 | 4 | 2 | 2 | 3.00E+00 | 3.90E+00 | 4.20E+00 | 4.05E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW005 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW006 | Lead | 7439921 | 4 | 2 | 2 | 3.00E+00 | 2.10E+00 | 2.60E+00 | 2.35E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW007 | Lead | 7439921 | 6 | 2 | 4 | 5.50E+00 | 1.27E+01 | 1.57E+01 | 1.42E+01 | 1.50E+01 | Yes | No | No |
| I | Shallow | IGDIGW008 | Lead | 7439921 | 7 | 1 | 6 | 3.00E+00 | 4.40E+00 | 4.40E+00 | 4.40E+00 | 1.50E+01 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW009 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Shallow | IGDIGW010 | Lead | 7439921 | 4 | 1 | 3 | 8.60E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW011 | Lead | 7439921 | 4 | 2 | 2 | 3.00E+00 | 4.00E+00 | 1.30E+01 | 8.50E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW012 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 3.80E+00 | 3.80E+00 | 3.80E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW013 | Lead | 7439921 | 5 | 1 | 4 | 3.00E+00 | 2.00E+00 | 2.00E+00 | 2.00E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW014 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW015 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.50E+00 | 2.50E+00 | 2.50E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW016 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.90E+00 | 2.90E+00 | 2.90E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW017 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW018 | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Shallow | IGDIGW019 | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 3.30E+00 | 3.30E+00 | 3.30E+00 | 1.50E+01 | No | No | No |
| I | Shallow | IGDIGW001 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.46E+05 | 3.80E+05 | 2.14E+05 | NA | No | No | |
| I | Shallow | IGDIGW002 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 3.36E+05 | 5.82E+05 | 4.36E+05 | NA | No | No | |
| I | Shallow | IGDIGW003 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 5.98E+05 | 9.41E+05 | 7.77E+05 | NA | No | No | |
| I | Shallow | IGDIGW004 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.11E+05 | 1.46E+05 | 1.30E+05 | NA | No | No | |
| I | Shallow | IGDIGW005 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.89E+05 | 8.92E+05 | 8.57E+05 | NA | No | No | |
| I | Shallow | IGDIGW006 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.54E+05 | 9.00E+05 | 8.37E+05 | NA | No | No | |
| I | Shallow | IGDIGW007 | Magnesium | 7439954 | 6 | 6 | 0 | NA | 5.76E+05 | 1.01E+06 | 7.74E+05 | NA | No | No | |
| I | Shallow | IGDIGW008 | Magnesium | 7439954 | 6 | 6 | 0 | NA | 7.08E+04 | 3.11E+05 | 1.77E+05 | NA | No | No | |
| I | Shallow | IGDIGW009 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.92E+05 | 3.19E+05 | 2.44E+05 | NA | No | No | |
| I | Shallow | IGDIGW010 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.90E+05 | 1.21E+06 | 4.68E+05 | NA | No | No | |
| I | Shallow | IGDIGW011 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.32E+04 | 1.41E+06 | 8.40E+05 | NA | No | No | |
| I | Shallow | IGDIGW012 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 4.86E+04 | 3.88E+05 | 1.53E+05 | NA | No | No | |
| I | Shallow | IGDIGW013 | Magnesium | 7439954 | 5 | 5 | 0 | NA | 5.00E+04 | 1.05E+05 | 7.38E+04 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW014 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.91E+04 | 3.83E+04 | 3.43E+04 | NA | No | No | |
| I | Shallow | IGDIGW015 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.05E+04 | 1.39E+05 | 8.71E+04 | NA | No | No | |
| I | Shallow | IGDIGW016 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.25E+04 | 1.51E+04 | 1.38E+04 | NA | No | No | |
| I | Shallow | IGDIGW017 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.58E+03 | 1.59E+04 | 1.20E+04 | NA | No | No | |
| I | Shallow | IGDIGW018 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.38E+05 | 1.57E+05 | 1.51E+05 | NA | No | No | |
| I | Shallow | IGDIGW019 | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.09E+04 | 1.13E+05 | 8.17E+04 | NA | No | No | |
| I | Shallow | IGDIGW001 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.28E+03 | 3.23E+03 | 2.62E+03 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW002 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.30E+03 | 2.58E+03 | 1.80E+03 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW003 | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.09E+02 | 6.16E+02 | 5.19E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW004 | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.46E+02 | 9.13E+02 | 7.33E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW005 | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.67E+02 | 3.60E+02 | 2.48E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW006 | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.07E+01 | 1.02E+02 | 9.62E+01 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW007 | Manganese | 7439965 | 6 | 6 | 0 | NA | 5.44E+02 | 1.29E+03 | 7.76E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW008 | Manganese | 7439965 | 6 | 6 | 0 | NA | 9.17E+02 | 2.55E+03 | 1.66E+03 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW009 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.83E+03 | 4.85E+03 | 3.70E+03 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW010 | Manganese | 7439965 | 4 | 3 | 1 | 3.60E+00 | 1.30E+02 | 1.30E+03 | 5.70E+02 | 5.00E+01 | Yes | Yes | No |
| I | Shallow | IGDIGW011 | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.27E+01 | 1.72E+02 | 1.42E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW012 | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.43E+01 | 1.01E+02 | 6.84E+01 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW013 | Manganese | 7439965 | 5 | 5 | 0 | NA | 1.26E+02 | 2.36E+02 | 1.64E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW014 | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.48E+02 | 8.32E+02 | 6.46E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW015 | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.91E+01 | 2.07E+02 | 1.57E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW016 | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.33E+01 | 1.79E+02 | 1.26E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW017 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.72E+02 | 4.45E+02 | 3.65E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW018 | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.34E+01 | 4.62E+01 | 3.70E+01 | 5.00E+01 | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW019 | Manganese | 7439965 | 4 | 4 | 0 | NA | 6.60E+02 | 1.01E+03 | 7.81E+02 | 5.00E+01 | Yes | Yes | |
| I | Shallow | IGDIGW001 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.00E+00 | No | No | No |
| I | Shallow | IGDIGW002 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW003 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW004 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW005 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW006 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW007 | Mercury | 7439976 | 6 | 0 | 6 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW008 | Mercury | 7439976 | 6 | 0 | 6 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW009 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW010 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW011 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW012 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW013 | Mercury | 7439976 | 5 | 0 | 5 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW014 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW015 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW016 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW017 | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 1.20E-01 | 1.20E-01 | 1.20E-01 | 2.00E+00 | No | No | No |
| I | Shallow | IGDIGW018 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW019 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Shallow | IGDIGW001 | Nickel | 7440020 | 4 | 3 | 1 | 1.00E+01 | 3.00E+00 | 4.90E+00 | 4.17E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW002 | Nickel | 7440020 | 4 | 4 | 0 | NA | 1.60E+00 | 1.63E+01 | 8.78E+00 | 1.00E+02 | No | No | |
| I | Shallow | IGDIGW003 | Nickel | 7440020 | 4 | 2 | 2 | 1.00E+00 | 1.30E+00 | 2.00E+00 | 1.65E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW004 | Nickel | 7440020 | 4 | 3 | 1 | 1.00E+01 | 4.90E+00 | 1.01E+01 | 7.27E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW005 | Nickel | 7440020 | 4 | 1 | 3 | 1.40E+00 | 1.07E+01 | 1.07E+01 | 1.07E+01 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW006 | Nickel | 7440020 | 4 | 2 | 2 | 1.40E+00 | 1.30E+00 | 1.40E+00 | 1.35E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW007 | Nickel | 7440020 | 6 | 2 | 4 | 1.00E+01 | 1.10E+00 | 3.80E+00 | 2.45E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW008 | Nickel | 7440020 | 6 | 3 | 3 | 1.26E+01 | 1.90E+00 | 9.70E+00 | 4.63E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW009 | Nickel | 7440020 | 4 | 2 | 2 | 1.40E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW010 | Nickel | 7440020 | 4 | 1 | 3 | 2.10E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW011 | Nickel | 7440020 | 4 | 4 | 0 | NA | 1.20E+00 | 8.70E+00 | 4.20E+00 | 1.00E+02 | No | No | |
| I | Shallow | IGDIGW012 | Nickel | 7440020 | 4 | 2 | 2 | 1.00E+01 | 1.10E+00 | 2.40E+00 | 1.75E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW013 | Nickel | 7440020 | 5 | 1 | 4 | 1.00E+01 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW014 | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 1.50E+00 | 1.50E+00 | 1.50E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW015 | Nickel | 7440020 | 4 | 3 | 1 | 1.00E+00 | 1.30E+00 | 3.40E+00 | 2.33E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW016 | Nickel | 7440020 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW017 | Nickel | 7440020 | 4 | 2 | 2 | 1.00E+01 | 1.70E+00 | 4.90E+00 | 3.30E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW018 | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+01 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW019 | Nickel | 7440020 | 4 | 3 | 1 | 4.90E+00 | 3.50E+00 | 1.18E+01 | 7.07E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW001 | Potassium | 7440097 | 4 | 4 | 0 | NA | 5.39E+04 | 1.15E+05 | 7.76E+04 | NA | No | No | |
| I | Shallow | IGDIGW002 | Potassium | 7440097 | 4 | 4 | 0 | NA | 9.49E+04 | 2.22E+05 | 1.42E+05 | NA | No | No | |
| I | Shallow | IGDIGW003 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.04E+05 | 3.02E+05 | 2.38E+05 | NA | No | No | |
| I | Shallow | IGDIGW004 | Potassium | 7440097 | 4 | 4 | 0 | NA | 6.92E+04 | 9.51E+04 | 8.18E+04 | NA | No | No | |
| I | Shallow | IGDIGW005 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.22E+05 | 3.68E+05 | 2.62E+05 | NA | No | No | |
| I | Shallow | IGDIGW006 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.91E+05 | 3.19E+05 | 2.40E+05 | NA | No | No | |
| I | Shallow | IGDIGW007 | Potassium | 7440097 | 6 | 6 | 0 | NA | 1.67E+05 | 3.29E+05 | 2.31E+05 | NA | No | No | |
| I | Shallow | IGDIGW008 | Potassium | 7440097 | 6 | 6 | 0 | NA | 2.94E+04 | 1.11E+05 | 7.05E+04 | NA | No | No | |
| I | Shallow | IGDIGW009 | Potassium | 7440097 | 4 | 3 | 1 | 1.60E+05 | 8.26E+04 | 1.80E+05 | 1.20E+05 | NA | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW010 | Potassium | 7440097 | 4 | 4 | 0 | NA | 8.54E+04 | 2.97E+05 | 1.57E+05 | NA | No | No | |
| I | Shallow | IGDIGW011 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.52E+05 | 5.50E+05 | 3.47E+05 | NA | No | No | |
| I | Shallow | IGDIGW012 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.75E+04 | 1.27E+05 | 5.96E+04 | NA | No | No | |
| I | Shallow | IGDIGW013 | Potassium | 7440097 | 5 | 5 | 0 | NA | 3.18E+04 | 7.83E+04 | 4.49E+04 | NA | No | No | |
| I | Shallow | IGDIGW014 | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.38E+04 | 3.08E+04 | 2.81E+04 | NA | No | No | |
| I | Shallow | IGDIGW015 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.12E+04 | 5.82E+04 | 3.71E+04 | NA | No | No | |
| I | Shallow | IGDIGW016 | Potassium | 7440097 | 4 | 4 | 0 | NA | 9.01E+03 | 1.14E+04 | 1.03E+04 | NA | No | No | |
| I | Shallow | IGDIGW017 | Potassium | 7440097 | 4 | 4 | 0 | NA | 7.06E+03 | 1.14E+04 | 9.22E+03 | NA | No | No | |
| I | Shallow | IGDIGW018 | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.04E+05 | 1.16E+05 | 1.08E+05 | NA | No | No | |
| I | Shallow | IGDIGW019 | Potassium | 7440097 | 4 | 4 | 0 | NA | 3.91E+04 | 1.05E+05 | 6.18E+04 | NA | No | No | |
| I | Shallow | IGDIGW001 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW002 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW003 | Selenium | 7782492 | 4 | 0 | 4 | 6.10E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW004 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW005 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW006 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW007 | Selenium | 7782492 | 6 | 1 | 5 | 5.00E+00 | 2.67E+01 | 2.67E+01 | 2.67E+01 | 5.00E+01 | No | No | No |
| I | Shallow | IGDIGW008 | Selenium | 7782492 | 6 | 0 | 6 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW009 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW010 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW011 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW012 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW013 | Selenium | 7782492 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW014 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW015 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW016 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW017 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW018 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW019 | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Shallow | IGDIGW001 | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW002 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW003 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW004 | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW005 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW006 | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW007 | Silver | 7440224 | 6 | 0 | 6 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW008 | Silver | 7440224 | 6 | 0 | 6 | 4.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW009 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW010 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW011 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW012 | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW013 | Silver | 7440224 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW014 | Silver | 7440224 | 4 | 0 | 4 | 3.10E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW015 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW016 | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW017 | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Shallow | IGDIGW018 | Silver | 7440224 | 4 | 1 | 3 | 5.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | No | No | No |
| I | Shallow | IGDIGW019 | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW001 | Thallium | 7440280 | 4 | 1 | 3 | 6.20E+00 | 5.50E+00 | 5.50E+00 | 5.50E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW002 | Thallium | 7440280 | 4 | 2 | 2 | 4.50E+00 | 3.50E+00 | 6.60E+00 | 5.05E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW003 | Thallium | 7440280 | 5 | 1 | 4 | 5.00E+00 | 2.80E+00 | 2.80E+00 | 2.80E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW004 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW005 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 3.00E+00 | 3.00E+00 | 3.00E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW006 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW007 | Thallium | 7440280 | 6 | 0 | 6 | 9.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW008 | Thallium | 7440280 | 7 | 0 | 7 | 5.50E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW009 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 7.50E+00 | 7.50E+00 | 7.50E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW010 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW011 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 4.10E+00 | 4.10E+00 | 4.10E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW012 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 5.90E+00 | 5.90E+00 | 5.90E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW013 | Thallium | 7440280 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW014 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW015 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW016 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW017 | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Shallow | IGDIGW018 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW019 | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Shallow | IGDIGW001 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 2.70E+00 | 2.70E+00 | 2.70E+00 | NA | No | No | No |
| I | Shallow | IGDIGW002 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW003 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 2.90E+00 | 2.90E+00 | 2.90E+00 | NA | No | No | No |
| I | Shallow | IGDIGW004 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW005 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW006 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.30E+00 | 3.30E+00 | 3.30E+00 | NA | No | No | No |
| I | Shallow | IGDIGW007 | Tin (Sn) | 7440315 | 6 | 0 | 6 | 1.00E+03 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW008 | Tin (Sn) | 7440315 | 6 | 0 | 6 | 1.00E+03 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW009 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW010 | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.30E+00 | 3.30E+00 | 3.30E+00 | NA | No | No | No |
| I | Shallow | IGDIGW011 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW012 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW013 | Tin (Sn) | 7440315 | 5 | 0 | 5 | 1.00E+03 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW014 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW015 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW016 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW017 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW018 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW019 | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | NA | | | No |
| I | Shallow | IGDIGW001 | Vanadium | 7440622 | 4 | 4 | 0 | NA | 1.30E+00 | 1.13E+01 | 7.23E+00 | 2.56E+02 | No | No | |
| I | Shallow | IGDIGW002 | Vanadium | 7440622 | 4 | 3 | 1 | 1.50E+00 | 1.20E+00 | 2.90E+00 | 2.13E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW003 | Vanadium | 7440622 | 4 | 3 | 1 | 3.30E+00 | 1.30E+00 | 5.40E+00 | 3.07E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW004 | Vanadium | 7440622 | 4 | 2 | 2 | 5.00E+00 | 3.30E+00 | 4.00E+00 | 3.65E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW005 | Vanadium | 7440622 | 4 | 3 | 1 | 3.60E+00 | 2.60E+00 | 4.60E+00 | 3.50E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW006 | Vanadium | 7440622 | 4 | 3 | 1 | 5.40E+00 | 2.70E+00 | 5.00E+00 | 3.80E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW007 | Vanadium | 7440622 | 6 | 2 | 4 | 9.40E+00 | 2.60E+00 | 4.40E+00 | 3.50E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW008 | Vanadium | 7440622 | 6 | 3 | 3 | 2.31E+01 | 1.70E+00 | 5.80E+00 | 3.73E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW009 | Vanadium | 7440622 | 4 | 3 | 1 | 5.00E-01 | 1.30E+00 | 2.70E+00 | 2.00E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW010 | Vanadium | 7440622 | 4 | 2 | 2 | 4.30E+00 | 3.00E+00 | 4.00E+00 | 3.50E+00 | 2.56E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW011 | Vanadium | 7440622 | 4 | 4 | 0 | NA | 8.30E+00 | 1.88E+01 | 1.30E+01 | 2.56E+02 | No | No | |
| I | Shallow | IGDIGW012 | Vanadium | 7440622 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| I | Shallow | IGDIGW013 | Vanadium | 7440622 | 5 | 1 | 4 | 5.30E+00 | 6.70E-01 | 6.70E-01 | 6.70E-01 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW014 | Vanadium | 7440622 | 4 | 1 | 3 | 2.30E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW015 | Vanadium | 7440622 | 4 | 1 | 3 | 4.30E+00 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW016 | Vanadium | 7440622 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| I | Shallow | IGDIGW017 | Vanadium | 7440622 | 4 | 1 | 3 | 5.00E+00 | 5.00E+00 | 5.00E+00 | 5.00E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW018 | Vanadium | 7440622 | 4 | 2 | 2 | 5.00E+00 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW019 | Vanadium | 7440622 | 4 | 3 | 1 | 1.50E+00 | 2.00E+00 | 3.30E+00 | 2.53E+00 | 2.56E+02 | No | No | No |
| I | Shallow | IGDIGW001 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 7.10E+00 | 7.10E+00 | 7.10E+00 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW002 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.13E+01 | 1.13E+01 | 1.13E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW003 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.80E+01 | 1.80E+01 | 1.80E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW004 | Zinc | 7440666 | 4 | 3 | 1 | 4.00E+00 | 6.20E+00 | 1.67E+01 | 1.10E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW005 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.14E+01 | 1.14E+01 | 1.14E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW006 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.57E+01 | 1.57E+01 | 1.57E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW007 | Zinc | 7440666 | 6 | 1 | 5 | 6.00E+00 | 2.09E+01 | 2.09E+01 | 2.09E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW008 | Zinc | 7440666 | 6 | 3 | 3 | 5.30E+00 | 2.45E+01 | 3.16E+02 | 1.22E+02 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW009 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.24E+01 | 1.24E+01 | 1.24E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW010 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.09E+01 | 1.09E+01 | 1.09E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW011 | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 2.42E+01 | 2.42E+01 | 2.42E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW012 | Zinc | 7440666 | 4 | 1 | 3 | 1.00E+01 | 1.57E+01 | 1.57E+01 | 1.57E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW013 | Zinc | 7440666 | 5 | 2 | 3 | 1.03E+01 | 4.80E+00 | 7.30E+00 | 6.05E+00 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW014 | Zinc | 7440666 | 4 | 2 | 2 | 4.00E+00 | 1.54E+01 | 2.44E+01 | 1.99E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW015 | Zinc | 7440666 | 4 | 3 | 1 | 4.00E+00 | 4.10E+00 | 2.10E+01 | 1.29E+01 | 5.00E+03 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Shallow | IGDIGW016 | Zinc | 7440666 | 4 | 2 | 2 | 1.00E+01 | 9.40E+00 | 1.30E+01 | 1.12E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW017 | Zinc | 7440666 | 4 | 3 | 1 | 1.00E+01 | 1.11E+01 | 1.43E+01 | 1.22E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW018 | Zinc | 7440666 | 4 | 1 | 3 | 1.00E+01 | 1.22E+01 | 1.22E+01 | 1.22E+01 | 5.00E+03 | No | No | No |
| I | Shallow | IGDIGW019 | Zinc | 7440666 | 4 | 1 | 3 | 1.08E+01 | 5.34E+01 | 5.34E+01 | 5.34E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW01D | Aluminum | 7429905 | 4 | 1 | 3 | 3.00E+01 | 6.23E+01 | 6.23E+01 | 6.23E+01 | 2.00E+02 | No | No | No |
| I | Deep | IGDIGW02D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW03D | Aluminum | 7429905 | 4 | 3 | 1 | 1.92E+01 | 3.55E+01 | 2.35E+02 | 1.25E+02 | 2.00E+02 | Yes | No | No |
| I | Deep | IGDIGW04D | Aluminum | 7429905 | 4 | 2 | 2 | 2.62E+01 | 3.14E+01 | 4.51E+01 | 3.83E+01 | 2.00E+02 | No | No | No |
| I | Deep | IGDIGW05D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW06D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW07D | Aluminum | 7429905 | 6 | 0 | 6 | 5.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW08D | Aluminum | 7429905 | 6 | 0 | 6 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW09D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW10D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW11D | Aluminum | 7429905 | 4 | 1 | 3 | 2.50E+01 | 9.88E+01 | 9.88E+01 | 9.88E+01 | 2.00E+02 | No | No | No |
| I | Deep | IGDIGW12D | Aluminum | 7429905 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW13D | Aluminum | 7429905 | 5 | 0 | 5 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW14D | Aluminum | 7429905 | 4 | 1 | 3 | 3.00E+01 | 2.90E+01 | 2.90E+01 | 2.90E+01 | 2.00E+02 | No | No | No |
| I | Deep | IGDIGW15D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW16D | Aluminum | 7429905 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW17D | Aluminum | 7429905 | 4 | 2 | 2 | 5.50E+02 | 4.39E+01 | 4.42E+01 | 4.41E+01 | 2.00E+02 | No | No | Yes |
| I | Deep | IGDIGW18D | Aluminum | 7429905 | 4 | 1 | 3 | 3.00E+01 | 1.80E+02 | 1.80E+02 | 1.80E+02 | 2.00E+02 | No | No | No |
| I | Deep | IGDIGW19D | Aluminum | 7429905 | 4 | 0 | 4 | 2.50E+01 | NA | NA | NA | 2.00E+02 | | | No |
| I | Deep | IGDIGW01D | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW02D | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW03D | Antimony | 7440360 | 5 | 2 | 3 | 5.00E+00 | 4.50E+00 | 6.10E+00 | 5.30E+00 | 6.00E+00 | Yes | No | No |
| I | Deep | IGDIGW04D | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW05D | Antimony | 7440360 | 4 | 1 | 3 | 4.00E+00 | 5.80E+00 | 5.80E+00 | 5.80E+00 | 6.00E+00 | No | No | No |
| I | Deep | IGDIGW06D | Antimony | 7440360 | 4 | 0 | 4 | 4.90E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW07D | Antimony | 7440360 | 6 | 1 | 5 | 3.00E+01 | 9.20E+00 | 9.20E+00 | 9.20E+00 | 6.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW08D | Antimony | 7440360 | 7 | 1 | 6 | 1.90E+01 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 6.00E+00 | No | No | Yes |
| I | Deep | IGDIGW09D | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW10D | Antimony | 7440360 | 4 | 0 | 4 | 4.30E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW11D | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW12D | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Deep | IGDIGW13D | Antimony | 7440360 | 5 | 0 | 5 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Deep | IGDIGW14D | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Deep | IGDIGW15D | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW16D | Antimony | 7440360 | 4 | 0 | 4 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Deep | IGDIGW17D | Antimony | 7440360 | 6 | 0 | 6 | 3.00E+01 | NA | NA | NA | 6.00E+00 | | | Yes |
| I | Deep | IGDIGW18D | Antimony | 7440360 | 6 | 1 | 5 | 3.00E+01 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 6.00E+00 | No | No | Yes |
| I | Deep | IGDIGW19D | Antimony | 7440360 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 6.00E+00 | | | No |
| I | Deep | IGDIGW01D | Arsenic | 7440382 | 4 | 1 | 3 | 5.00E+00 | 2.60E+00 | 2.60E+00 | 2.60E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW02D | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW03D | Arsenic | 7440382 | 5 | 1 | 4 | 5.00E+00 | 3.30E+00 | 3.30E+00 | 3.30E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW04D | Arsenic | 7440382 | 4 | 1 | 3 | 6.30E+00 | 6.00E+00 | 6.00E+00 | 6.00E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW05D | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW06D | Arsenic | 7440382 | 4 | 1 | 3 | 5.00E+00 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 5.00E+01 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW07D | Arsenic | 7440382 | 6 | 3 | 3 | 5.00E+00 | 2.10E+00 | 7.40E+00 | 4.90E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW08D | Arsenic | 7440382 | 7 | 0 | 7 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW09D | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW10D | Arsenic | 7440382 | 4 | 1 | 3 | 5.70E+00 | 7.20E+00 | 7.20E+00 | 7.20E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW11D | Arsenic | 7440382 | 4 | 1 | 3 | 5.70E+00 | 5.20E+00 | 5.20E+00 | 5.20E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW12D | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW13D | Arsenic | 7440382 | 5 | 2 | 3 | 5.00E+00 | 2.40E+00 | 6.50E+00 | 4.45E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW14D | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW15D | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW16D | Arsenic | 7440382 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW17D | Arsenic | 7440382 | 6 | 1 | 5 | 5.00E+00 | 2.48E+01 | 2.48E+01 | 2.48E+01 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW18D | Arsenic | 7440382 | 6 | 0 | 6 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW19D | Arsenic | 7440382 | 4 | 3 | 1 | 8.40E+00 | 1.19E+01 | 1.42E+01 | 1.31E+01 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW01D | Barium | 7440393 | 4 | 3 | 1 | 2.95E+01 | 2.77E+01 | 3.57E+01 | 3.04E+01 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW02D | Barium | 7440393 | 4 | 3 | 1 | 1.27E+02 | 1.36E+02 | 1.60E+02 | 1.45E+02 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW03D | Barium | 7440393 | 4 | 3 | 1 | 3.55E+01 | 3.23E+01 | 4.63E+01 | 3.88E+01 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW04D | Barium | 7440393 | 4 | 4 | 0 | NA | 3.75E+01 | 7.06E+01 | 4.77E+01 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW05D | Barium | 7440393 | 4 | 3 | 1 | 2.88E+01 | 2.77E+01 | 4.46E+01 | 3.48E+01 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW06D | Barium | 7440393 | 4 | 3 | 1 | 5.15E+01 | 5.32E+01 | 7.56E+01 | 6.10E+01 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW07D | Barium | 7440393 | 6 | 5 | 1 | 1.14E+02 | 1.04E+02 | 1.67E+02 | 1.33E+02 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW08D | Barium | 7440393 | 6 | 6 | 0 | NA | 1.17E+02 | 1.77E+02 | 1.48E+02 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW09D | Barium | 7440393 | 4 | 3 | 1 | 1.81E+02 | 1.89E+02 | 2.43E+02 | 2.07E+02 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW10D | Barium | 7440393 | 4 | 3 | 1 | 3.14E+01 | 5.49E+01 | 1.29E+02 | 8.15E+01 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW11D | Barium | 7440393 | 4 | 4 | 0 | NA | 1.64E+02 | 3.68E+02 | 2.20E+02 | 2.00E+03 | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW12D | Barium | 7440393 | 4 | 4 | 0 | NA | 1.51E+02 | 2.00E+02 | 1.68E+02 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW13D | Barium | 7440393 | 5 | 5 | 0 | NA | 7.31E+01 | 1.14E+02 | 8.86E+01 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW14D | Barium | 7440393 | 4 | 4 | 0 | NA | 4.75E+02 | 9.42E+02 | 7.18E+02 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW15D | Barium | 7440393 | 4 | 4 | 0 | NA | 4.33E+01 | 4.81E+01 | 4.59E+01 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW16D | Barium | 7440393 | 4 | 4 | 0 | NA | 4.84E+01 | 6.83E+01 | 5.54E+01 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW17D | Barium | 7440393 | 4 | 4 | 0 | NA | 1.18E+02 | 1.60E+02 | 1.34E+02 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW18D | Barium | 7440393 | 4 | 4 | 0 | NA | 7.59E+01 | 3.33E+02 | 2.28E+02 | 2.00E+03 | No | No | |
| I | Deep | IGDIGW19D | Barium | 7440393 | 4 | 3 | 1 | 8.21E+01 | 6.00E+01 | 8.80E+01 | 7.68E+01 | 2.00E+03 | No | No | No |
| I | Deep | IGDIGW01D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW02D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 9.00E-01 | 9.00E-01 | 9.00E-01 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW03D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW04D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW05D | Beryllium | 7440417 | 4 | 2 | 2 | 8.20E-01 | 8.70E-01 | 1.20E+00 | 1.04E+00 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW06D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 8.30E-01 | 8.30E-01 | 8.30E-01 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW07D | Beryllium | 7440417 | 6 | 1 | 5 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW08D | Beryllium | 7440417 | 6 | 1 | 5 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW09D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW10D | Beryllium | 7440417 | 4 | 1 | 3 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW11D | Beryllium | 7440417 | 4 | 0 | 4 | 1.10E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW12D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW13D | Beryllium | 7440417 | 5 | 2 | 3 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW14D | Beryllium | 7440417 | 4 | 2 | 2 | 1.00E+00 | 8.70E-01 | 1.00E+00 | 9.35E-01 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW15D | Beryllium | 7440417 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW16D | Beryllium | 7440417 | 4 | 1 | 3 | 1.00E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 4.00E+00 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW17D | Beryllium | 7440417 | 6 | 0 | 6 | 2.80E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW18D | Beryllium | 7440417 | 6 | 0 | 6 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | No |
| I | Deep | IGDIGW19D | Beryllium | 7440417 | 4 | 1 | 3 | 1.10E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 4.00E+00 | No | No | No |
| I | Deep | IGDIGW01D | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW02D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW03D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW04D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW05D | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 2.00E+00 | 2.00E+00 | 2.00E+00 | 5.00E+00 | No | No | No |
| I | Deep | IGDIGW06D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW07D | Cadmium | 7440439 | 6 | 2 | 4 | 4.00E+00 | 7.50E-01 | 2.00E+00 | 1.38E+00 | 5.00E+00 | No | No | No |
| I | Deep | IGDIGW08D | Cadmium | 7440439 | 6 | 1 | 5 | 2.00E+00 | 4.00E-01 | 4.00E-01 | 4.00E-01 | 5.00E+00 | No | No | No |
| I | Deep | IGDIGW09D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW10D | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 3.00E-01 | 3.00E-01 | 3.00E-01 | 5.00E+00 | No | No | No |
| I | Deep | IGDIGW11D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW12D | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW13D | Cadmium | 7440439 | 5 | 1 | 4 | 4.00E+00 | 2.50E+00 | 2.50E+00 | 2.50E+00 | 5.00E+00 | No | No | No |
| I | Deep | IGDIGW14D | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW15D | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW16D | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW17D | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW18D | Cadmium | 7440439 | 4 | 0 | 4 | 4.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| I | Deep | IGDIGW19D | Cadmium | 7440439 | 4 | 1 | 3 | 1.00E+00 | 3.00E-01 | 3.00E-01 | 3.00E-01 | 5.00E+00 | No | No | No |
| I | Deep | IGDIGW01D | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.22E+04 | 1.16E+05 | 1.01E+05 | NA | No | No | |
| I | Deep | IGDIGW02D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.04E+05 | 1.13E+05 | 1.06E+05 | NA | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW03D | Calcium | 7440702 | 4 | 4 | 0 | NA | 9.88E+04 | 1.04E+05 | 1.01E+05 | NA | No | No | |
| I | Deep | IGDIGW04D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.25E+05 | 1.58E+05 | 1.39E+05 | NA | No | No | |
| I | Deep | IGDIGW05D | Calcium | 7440702 | 4 | 4 | 0 | NA | 7.86E+04 | 1.03E+05 | 8.77E+04 | NA | No | No | |
| I | Deep | IGDIGW06D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.17E+05 | 1.40E+05 | 1.25E+05 | NA | No | No | |
| I | Deep | IGDIGW07D | Calcium | 7440702 | 6 | 6 | 0 | NA | 2.19E+05 | 3.34E+05 | 2.64E+05 | NA | No | No | |
| I | Deep | IGDIGW08D | Calcium | 7440702 | 6 | 6 | 0 | NA | 1.59E+05 | 2.31E+05 | 1.91E+05 | NA | No | No | |
| I | Deep | IGDIGW09D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.42E+05 | 1.91E+05 | 1.62E+05 | NA | No | No | |
| I | Deep | IGDIGW10D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.66E+05 | 3.32E+05 | 2.91E+05 | NA | No | No | |
| I | Deep | IGDIGW11D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.03E+05 | 2.72E+05 | 2.34E+05 | NA | No | No | |
| I | Deep | IGDIGW12D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.63E+05 | 2.03E+05 | 1.77E+05 | NA | No | No | |
| I | Deep | IGDIGW13D | Calcium | 7440702 | 5 | 5 | 0 | NA | 2.27E+05 | 3.63E+05 | 2.78E+05 | NA | No | No | |
| I | Deep | IGDIGW14D | Calcium | 7440702 | 4 | 4 | 0 | NA | 8.55E+05 | 1.03E+06 | 9.10E+05 | NA | No | No | |
| I | Deep | IGDIGW15D | Calcium | 7440702 | 4 | 4 | 0 | NA | 2.01E+05 | 2.28E+05 | 2.14E+05 | NA | No | No | |
| I | Deep | IGDIGW16D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.75E+05 | 2.32E+05 | 1.98E+05 | NA | No | No | |
| I | Deep | IGDIGW17D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.78E+05 | 2.11E+05 | 1.93E+05 | NA | No | No | |
| I | Deep | IGDIGW18D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.62E+05 | 2.57E+05 | 1.98E+05 | NA | No | No | |
| I | Deep | IGDIGW19D | Calcium | 7440702 | 4 | 4 | 0 | NA | 1.53E+05 | 2.32E+05 | 2.00E+05 | NA | No | No | |
| I | Deep | IGDIGW01D | Chromium, Total | 7440473 | 4 | 2 | 2 | 5.00E+00 | 4.60E+00 | 6.80E+00 | 5.70E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW02D | Chromium, Total | 7440473 | 4 | 1 | 3 | 3.60E+00 | 1.80E+00 | 1.80E+00 | 1.80E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW03D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 1.10E+00 | 2.20E+00 | 1.65E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW04D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 1.40E+00 | 2.70E+00 | 2.05E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW05D | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.90E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW06D | Chromium, Total | 7440473 | 4 | 1 | 3 | 2.00E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW07D | Chromium, Total | 7440473 | 6 | 3 | 3 | 6.60E+00 | 1.20E+00 | 1.76E+01 | 7.07E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW08D | Chromium, Total | 7440473 | 6 | 1 | 5 | 6.40E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW09D | Chromium, Total | 7440473 | 4 | 3 | 1 | 1.00E+00 | 1.70E+00 | 2.90E+00 | 2.30E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW10D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.00E+00 | 2.00E+00 | 6.60E+00 | 4.30E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW11D | Chromium, Total | 7440473 | 4 | 2 | 2 | 1.50E+00 | 2.30E+00 | 3.70E+00 | 3.00E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW12D | Chromium, Total | 7440473 | 4 | 1 | 3 | 1.00E+00 | 5.00E+00 | 5.00E+00 | 5.00E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW13D | Chromium, Total | 7440473 | 5 | 3 | 2 | 5.00E+00 | 2.00E+00 | 4.95E+01 | 1.84E+01 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW14D | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.00E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW15D | Chromium, Total | 7440473 | 4 | 0 | 4 | 4.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW16D | Chromium, Total | 7440473 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW17D | Chromium, Total | 7440473 | 6 | 2 | 4 | 5.00E+00 | 8.30E-01 | 6.40E+00 | 3.62E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW18D | Chromium, Total | 7440473 | 6 | 5 | 1 | 5.00E+00 | 1.80E+00 | 6.70E+00 | 3.70E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW19D | Chromium, | 7440473 | 4 | 3 | 1 | 1.00E+00 | 1.10E+00 | 1.17E+01 | 5.00E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| | | | Total | | | | | | | | | | | | |
| I | Deep | IGDIGW01D | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW02D | Cobalt | 7440484 | 4 | 0 | 4 | 2.60E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW03D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 2.30E+00 | 2.30E+00 | 2.30E+00 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW04D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW05D | Cobalt | 7440484 | 4 | 0 | 4 | 2.40E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW06D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW07D | Cobalt | 7440484 | 6 | 1 | 5 | 5.00E+00 | 3.60E+00 | 3.60E+00 | 3.60E+00 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW08D | Cobalt | 7440484 | 6 | 1 | 5 | 3.30E+00 | 1.10E+00 | 1.10E+00 | 1.10E+00 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW09D | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW10D | Cobalt | 7440484 | 4 | 1 | 3 | 5.00E+00 | 8.70E-01 | 8.70E-01 | 8.70E-01 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW11D | Cobalt | 7440484 | 4 | 1 | 3 | 2.00E+00 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW12D | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW13D | Cobalt | 7440484 | 5 | 1 | 4 | 5.00E+00 | 7.60E-01 | 7.60E-01 | 7.60E-01 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW14D | Cobalt | 7440484 | 4 | 1 | 3 | 5.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW15D | Cobalt | 7440484 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW16D | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW17D | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW18D | Cobalt | 7440484 | 4 | 1 | 3 | 5.00E+00 | 6.60E-01 | 6.60E-01 | 6.60E-01 | 2.19E+03 | No | No | No |
| I | Deep | IGDIGW19D | Cobalt | 7440484 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.19E+03 | | | No |
| I | Deep | IGDIGW01D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW02D | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 9.90E-01 | 9.90E-01 | 9.90E-01 | 1.30E+03 | No | No | No |
| I | Deep | IGDIGW03D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW04D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW05D | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 8.20E-01 | 8.20E-01 | 8.20E-01 | 1.30E+03 | No | No | No |
| I | Deep | IGDIGW06D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW07D | Copper | 7440508 | 6 | 0 | 6 | 2.90E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW08D | Copper | 7440508 | 6 | 0 | 6 | 2.60E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW09D | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 4.30E+00 | 4.30E+00 | 4.30E+00 | 1.30E+03 | No | No | No |
| I | Deep | IGDIGW10D | Copper | 7440508 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW11D | Copper | 7440508 | 4 | 0 | 4 | 2.70E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW12D | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW13D | Copper | 7440508 | 5 | 0 | 5 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW14D | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW15D | Copper | 7440508 | 4 | 1 | 3 | 2.00E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 1.30E+03 | No | No | No |
| I | Deep | IGDIGW16D | Copper | 7440508 | 4 | 1 | 3 | 1.00E+01 | 1.80E+00 | 1.80E+00 | 1.80E+00 | 1.30E+03 | No | No | No |
| I | Deep | IGDIGW17D | Copper | 7440508 | 4 | 2 | 2 | 1.00E+01 | 1.70E+00 | 1.54E+01 | 8.55E+00 | 1.30E+03 | No | No | No |
| I | Deep | IGDIGW18D | Copper | 7440508 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW19D | Copper | 7440508 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.30E+03 | | | No |
| I | Deep | IGDIGW01D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.56E+03 | 3.92E+03 | 3.66E+03 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW02D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.63E+03 | 5.31E+03 | 4.69E+03 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW03D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.29E+03 | 1.22E+04 | 5.91E+03 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW04D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.75E+02 | 4.65E+02 | 3.51E+02 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW05D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.58E+03 | 4.90E+03 | 4.29E+03 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW06D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.60E+02 | 5.90E+02 | 4.22E+02 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW07D | Iron | 7439896 | 6 | 0 | 6 | 6.21E+01 | NA | NA | NA | 3.00E+02 | | | No |
| I | Deep | IGDIGW08D | Iron | 7439896 | 6 | 0 | 6 | 6.31E+01 | NA | NA | NA | 3.00E+02 | | | No |
| I | Deep | IGDIGW09D | Iron | 7439896 | 4 | 2 | 2 | 3.20E+01 | 5.08E+01 | 9.51E+01 | 7.30E+01 | 3.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW10D | Iron | 7439896 | 4 | 1 | 3 | 5.70E+01 | 2.10E+03 | 2.10E+03 | 2.10E+03 | 3.00E+02 | Yes | Yes | No |
| I | Deep | IGDIGW11D | Iron | 7439896 | 4 | 4 | 0 | NA | 1.05E+03 | 1.77E+03 | 1.45E+03 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW12D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.96E+02 | 9.28E+02 | 5.45E+02 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW13D | Iron | 7439896 | 5 | 2 | 3 | 3.20E+01 | 5.93E+01 | 2.61E+02 | 1.60E+02 | 3.00E+02 | No | No | No |
| I | Deep | IGDIGW14D | Iron | 7439896 | 4 | 0 | 4 | 3.20E+01 | NA | NA | NA | 3.00E+02 | | | No |
| I | Deep | IGDIGW15D | Iron | 7439896 | 4 | 4 | 0 | NA | 3.12E+03 | 3.30E+03 | 3.19E+03 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW16D | Iron | 7439896 | 4 | 4 | 0 | NA | 2.85E+03 | 3.28E+03 | 3.12E+03 | 3.00E+02 | Yes | Yes | |
| I | Deep | IGDIGW17D | Iron | 7439896 | 4 | 2 | 2 | 1.60E+02 | 3.44E+01 | 4.17E+01 | 3.81E+01 | 3.00E+02 | No | No | No |
| I | Deep | IGDIGW18D | Iron | 7439896 | 4 | 1 | 3 | 3.20E+01 | 1.29E+02 | 1.29E+02 | 1.29E+02 | 3.00E+02 | No | No | No |
| I | Deep | IGDIGW19D | Iron | 7439896 | 4 | 2 | 2 | 2.00E+01 | 7.03E+01 | 1.32E+02 | 1.01E+02 | 3.00E+02 | No | No | No |
| I | Deep | IGDIGW01D | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.90E+00 | 2.90E+00 | 2.90E+00 | 1.50E+01 | No | No | No |
| I | Deep | IGDIGW02D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW03D | Lead | 7439921 | 5 | 2 | 3 | 3.00E+00 | 2.20E+00 | 8.90E+00 | 5.55E+00 | 1.50E+01 | No | No | No |
| I | Deep | IGDIGW04D | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 3.20E+00 | 3.20E+00 | 3.20E+00 | 1.50E+01 | No | No | No |
| I | Deep | IGDIGW05D | Lead | 7439921 | 4 | 2 | 2 | 3.00E+00 | 3.60E+00 | 4.30E+00 | 3.95E+00 | 1.50E+01 | No | No | No |
| I | Deep | IGDIGW06D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW07D | Lead | 7439921 | 6 | 0 | 6 | 5.50E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW08D | Lead | 7439921 | 7 | 0 | 7 | 5.50E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW09D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW10D | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 2.62E+01 | 2.62E+01 | 2.62E+01 | 1.50E+01 | Yes | Yes | No |
| I | Deep | IGDIGW11D | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 5.14E+01 | 5.14E+01 | 5.14E+01 | 1.50E+01 | Yes | Yes | No |
| I | Deep | IGDIGW12D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW13D | Lead | 7439921 | 5 | 0 | 5 | 5.50E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW14D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (μg/L) | Max Detect (μg/L) | Mean Detect (μg/L) | GWP Criteria (μg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW15D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW16D | Lead | 7439921 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW17D | Lead | 7439921 | 6 | 0 | 6 | 8.50E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW18D | Lead | 7439921 | 6 | 0 | 6 | 3.00E+00 | NA | NA | NA | 1.50E+01 | | | No |
| I | Deep | IGDIGW19D | Lead | 7439921 | 4 | 1 | 3 | 3.00E+00 | 5.30E+00 | 5.30E+00 | 5.30E+00 | 1.50E+01 | No | No | No |
| I | Deep | IGDIGW01D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.93E+05 | 8.25E+05 | 7.72E+05 | | No | No | |
| I | Deep | IGDIGW02D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.78E+05 | 8.70E+05 | 7.58E+05 | | No | No | |
| I | Deep | IGDIGW03D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.82E+05 | 9.34E+05 | 8.00E+05 | | No | No | |
| I | Deep | IGDIGW04D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.70E+05 | 9.22E+05 | 8.17E+05 | | No | No | |
| I | Deep | IGDIGW05D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.76E+05 | 8.46E+05 | 8.07E+05 | | No | No | |
| I | Deep | IGDIGW06D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.34E+05 | 1.10E+06 | 9.77E+05 | | No | No | |
| I | Deep | IGDIGW07D | Magnesium | 7439954 | 6 | 6 | 0 | NA | 9.92E+05 | 1.46E+06 | 1.16E+06 | | No | No | |
| I | Deep | IGDIGW08D | Magnesium | 7439954 | 6 | 6 | 0 | NA | 9.65E+05 | 1.14E+06 | 1.04E+06 | | No | No | |
| I | Deep | IGDIGW09D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.40E+05 | 9.53E+05 | 8.92E+05 | | No | No | |
| I | Deep | IGDIGW10D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 2.06E+05 | 1.25E+06 | 9.44E+05 | | No | No | |
| I | Deep | IGDIGW11D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 1.03E+06 | 1.24E+06 | 1.17E+06 | | No | No | |
| I | Deep | IGDIGW12D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.59E+05 | 9.86E+05 | 9.23E+05 | | No | No | |
| I | Deep | IGDIGW13D | Magnesium | 7439954 | 5 | 5 | 0 | NA | 1.03E+06 | 1.20E+06 | 1.12E+06 | | No | No | |
| I | Deep | IGDIGW14D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.52E+04 | 1.80E+05 | 1.19E+05 | | No | No | |
| I | Deep | IGDIGW15D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 6.47E+05 | 9.95E+05 | 8.46E+05 | | No | No | |
| I | Deep | IGDIGW16D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.55E+03 | 1.02E+06 | 7.24E+05 | | No | No | |
| I | Deep | IGDIGW17D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 7.98E+05 | 8.74E+05 | 8.47E+05 | | No | No | |
| I | Deep | IGDIGW18D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 8.94E+05 | 1.05E+06 | 9.75E+05 | | No | No | |
| I | Deep | IGDIGW19D | Magnesium | 7439954 | 4 | 4 | 0 | NA | 4.74E+05 | 7.22E+05 | 5.84E+05 | | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW01D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.30E+02 | 1.51E+02 | 1.40E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW02D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.98E+02 | 2.61E+02 | 2.35E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW03D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.74E+02 | 2.61E+02 | 2.21E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW04D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.16E+02 | 1.60E+02 | 1.31E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW05D | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.50E+01 | 1.52E+02 | 1.11E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW06D | Manganese | 7439965 | 4 | 4 | 0 | NA | 2.37E+02 | 3.06E+02 | 2.60E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW07D | Manganese | 7439965 | 6 | 1 | 5 | 6.30E+00 | 1.12E+02 | 1.12E+02 | 1.12E+02 | 5.00E+01 | Yes | Yes | No |
| I | Deep | IGDIGW08D | Manganese | 7439965 | 6 | 5 | 1 | 9.20E+00 | 9.90E-01 | 6.56E+01 | 2.13E+01 | 5.00E+01 | Yes | No | No |
| I | Deep | IGDIGW09D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.61E+02 | 2.43E+02 | 1.94E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW10D | Manganese | 7439965 | 4 | 4 | 0 | NA | 7.20E+00 | 6.90E+02 | 2.21E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW11D | Manganese | 7439965 | 4 | 4 | 0 | NA | 1.73E+02 | 2.18E+02 | 1.89E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW12D | Manganese | 7439965 | 4 | 4 | 0 | NA | 7.04E+01 | 1.27E+02 | 9.14E+01 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW13D | Manganese | 7439965 | 5 | 2 | 3 | 5.00E+00 | 2.98E+01 | 5.68E+01 | 4.33E+01 | 5.00E+01 | Yes | No | No |
| I | Deep | IGDIGW14D | Manganese | 7439965 | 4 | 1 | 3 | 5.00E+00 | 4.20E-01 | 4.20E-01 | 4.20E-01 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW15D | Manganese | 7439965 | 4 | 4 | 0 | NA | 9.39E+01 | 1.72E+02 | 1.17E+02 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW16D | Manganese | 7439965 | 4 | 4 | 0 | NA | 5.60E+01 | 1.10E+02 | 7.11E+01 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW17D | Manganese | 7439965 | 4 | 1 | 3 | 5.00E+00 | 1.45E+01 | 1.45E+01 | 1.45E+01 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW18D | Manganese | 7439965 | 4 | 1 | 3 | 5.00E+00 | 3.68E+01 | 3.68E+01 | 3.68E+01 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW19D | Manganese | 7439965 | 4 | 4 | 0 | NA | 4.05E+01 | 7.27E+01 | 5.42E+01 | 5.00E+01 | Yes | Yes | |
| I | Deep | IGDIGW01D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW02D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW03D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW04D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW05D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW06D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW07D | Mercury | 7439976 | 6 | 0 | 6 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW08D | Mercury | 7439976 | 6 | 0 | 6 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW09D | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 3.00E-01 | 3.00E-01 | 3.00E-01 | 2.00E+00 | No | No | No |
| I | Deep | IGDIGW10D | Mercury | 7439976 | 4 | 1 | 3 | 2.00E-01 | 2.10E-01 | 2.10E-01 | 2.10E-01 | 2.00E+00 | No | No | No |
| I | Deep | IGDIGW11D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW12D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW13D | Mercury | 7439976 | 5 | 0 | 5 | 3.20E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW14D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW15D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW16D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW17D | Mercury | 7439976 | 6 | 0 | 6 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW18D | Mercury | 7439976 | 6 | 1 | 5 | 2.00E-01 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 2.00E+00 | No | No | No |
| I | Deep | IGDIGW19D | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| I | Deep | IGDIGW01D | Nickel | 7440020 | 4 | 2 | 2 | 1.00E+01 | 2.80E+00 | 3.90E+00 | 3.35E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW02D | Nickel | 7440020 | 4 | 3 | 1 | 1.00E+00 | 9.50E-01 | 2.00E+00 | 1.31E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW03D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 2.30E+00 | 2.30E+00 | 2.30E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW04D | Nickel | 7440020 | 4 | 1 | 3 | 1.40E+00 | 8.70E-01 | 8.70E-01 | 8.70E-01 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW05D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 4.54E+02 | 4.54E+02 | 4.54E+02 | 1.00E+02 | Yes | Yes | No |
| I | Deep | IGDIGW06D | Nickel | 7440020 | 4 | 0 | 4 | 1.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW07D | Nickel | 7440020 | 6 | 0 | 6 | 1.00E+01 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW08D | Nickel | 7440020 | 6 | 0 | 6 | 4.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW09D | Nickel | 7440020 | 4 | 1 | 3 | 1.07E+01 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW10D | Nickel | 7440020 | 4 | 1 | 3 | 1.70E+00 | 4.80E+00 | 4.80E+00 | 4.80E+00 | 1.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW11D | Nickel | 7440020 | 4 | 3 | 1 | 4.10E+00 | 2.20E+00 | 4.20E+00 | 3.40E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW12D | Nickel | 7440020 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW13D | Nickel | 7440020 | 5 | 0 | 5 | 2.20E+01 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW14D | Nickel | 7440020 | 4 | 2 | 2 | 1.00E+01 | 3.20E+00 | 6.80E+00 | 5.00E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW15D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+00 | 2.90E+00 | 2.90E+00 | 2.90E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW16D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+01 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW17D | Nickel | 7440020 | 4 | 1 | 3 | 1.00E+01 | 1.01E+01 | 1.01E+01 | 1.01E+01 | 1.00E+02 | No | No | No |
| I | Deep | IGDIGW18D | Nickel | 7440020 | 4 | 0 | 4 | 1.00E+01 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW19D | Nickel | 7440020 | 4 | 0 | 4 | 4.90E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW01D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.80E+05 | 3.55E+05 | 2.39E+05 | | No | No | |
| I | Deep | IGDIGW02D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.08E+05 | 3.32E+05 | 2.65E+05 | | No | No | |
| I | Deep | IGDIGW03D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.28E+05 | 3.29E+05 | 2.79E+05 | | No | No | |
| I | Deep | IGDIGW04D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.14E+05 | 3.78E+05 | 2.91E+05 | | No | No | |
| I | Deep | IGDIGW05D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.11E+05 | 3.32E+05 | 2.46E+05 | | No | No | |
| I | Deep | IGDIGW06D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.32E+05 | 3.52E+05 | 2.67E+05 | | No | No | |
| I | Deep | IGDIGW07D | Potassium | 7440097 | 6 | 6 | 0 | NA | 2.45E+05 | 4.50E+05 | 3.54E+05 | | No | No | |
| I | Deep | IGDIGW08D | Potassium | 7440097 | 6 | 6 | 0 | NA | 2.11E+05 | 4.20E+05 | 3.08E+05 | | No | No | |
| I | Deep | IGDIGW09D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.15E+05 | 4.21E+05 | 3.06E+05 | | No | No | |
| I | Deep | IGDIGW10D | Potassium | 7440097 | 4 | 4 | 0 | NA | 7.69E+04 | 4.85E+05 | 3.46E+05 | | No | No | |
| I | Deep | IGDIGW11D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.56E+05 | 4.95E+05 | 3.45E+05 | | No | No | |
| I | Deep | IGDIGW12D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.99E+05 | 3.82E+05 | 2.73E+05 | | No | No | |
| I | Deep | IGDIGW13D | Potassium | 7440097 | 5 | 5 | 0 | NA | 2.60E+05 | 4.31E+05 | 3.25E+05 | | No | No | |
| I | Deep | IGDIGW14D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.45E+05 | 4.66E+05 | 3.38E+05 | | No | No | |
| I | Deep | IGDIGW15D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.75E+05 | 1.96E+05 | 1.87E+05 | | No | No | |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW16D | Potassium | 7440097 | 4 | 4 | 0 | NA | 1.96E+03 | 3.42E+05 | 1.90E+05 | | No | No | |
| I | Deep | IGDIGW17D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.32E+05 | 3.57E+05 | 2.98E+05 | | No | No | |
| I | Deep | IGDIGW18D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.46E+05 | 3.86E+05 | 2.84E+05 | | No | No | |
| I | Deep | IGDIGW19D | Potassium | 7440097 | 4 | 4 | 0 | NA | 2.42E+05 | 4.58E+05 | 3.11E+05 | | No | No | |
| I | Deep | IGDIGW01D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW02D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW03D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW04D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW05D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW06D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW07D | Selenium | 7782492 | 6 | 0 | 6 | 8.20E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW08D | Selenium | 7782492 | 6 | 0 | 6 | 8.20E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW09D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW10D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW11D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW12D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW13D | Selenium | 7782492 | 5 | 0 | 5 | 7.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW14D | Selenium | 7782492 | 4 | 1 | 3 | 5.00E+00 | 5.90E+00 | 5.90E+00 | 5.90E+00 | 5.00E+01 | No | No | No |
| I | Deep | IGDIGW15D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW16D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW17D | Selenium | 7782492 | 4 | 0 | 4 | 1.40E+01 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW18D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW19D | Selenium | 7782492 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| I | Deep | IGDIGW01D | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW02D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW03D | Silver | 7440224 | 4 | 0 | 4 | 2.50E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW04D | Silver | 7440224 | 4 | 0 | 4 | 5.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW05D | Silver | 7440224 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW06D | Silver | 7440224 | 4 | 0 | 4 | 5.10E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW07D | Silver | 7440224 | 6 | 0 | 6 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW08D | Silver | 7440224 | 6 | 0 | 6 | 4.30E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW09D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW10D | Silver | 7440224 | 4 | 0 | 4 | 7.60E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW11D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW12D | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW13D | Silver | 7440224 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW14D | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW15D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW16D | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW17D | Silver | 7440224 | 4 | 0 | 4 | 6.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW18D | Silver | 7440224 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW19D | Silver | 7440224 | 4 | 0 | 4 | 2.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| I | Deep | IGDIGW01D | Thallium | 7440280 | 4 | 1 | 3 | 5.10E+00 | 5.10E+00 | 5.10E+00 | 5.10E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW02D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW03D | Thallium | 7440280 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Deep | IGDIGW04D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Deep | IGDIGW05D | Thallium | 7440280 | 4 | 1 | 3 | 4.50E+00 | 5.50E+00 | 5.50E+00 | 5.50E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW06D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW07D | Thallium | 7440280 | 6 | 1 | 5 | 9.00E+00 | 5.60E+00 | 5.60E+00 | 5.60E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW08D | Thallium | 7440280 | 7 | 1 | 6 | 9.00E+00 | 5.50E+00 | 5.50E+00 | 5.50E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW09D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 6.90E+00 | 6.90E+00 | 6.90E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW10D | Thallium | 7440280 | 4 | 2 | 2 | 5.00E+00 | 3.10E+00 | 8.60E+00 | 5.85E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW11D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 5.70E+00 | 5.70E+00 | 5.70E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW12D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 5.60E+00 | 5.60E+00 | 5.60E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW13D | Thallium | 7440280 | 5 | 0 | 5 | 9.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Deep | IGDIGW14D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Deep | IGDIGW15D | Thallium | 7440280 | 4 | 1 | 3 | 5.00E+00 | 7.10E+00 | 7.10E+00 | 7.10E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW16D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Deep | IGDIGW17D | Thallium | 7440280 | 6 | 2 | 4 | 5.00E+00 | 6.30E+00 | 1.54E+01 | 1.09E+01 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW18D | Thallium | 7440280 | 6 | 3 | 3 | 4.50E+00 | 5.20E+00 | 6.10E+00 | 5.50E+00 | 2.00E+00 | Yes | Yes | Yes |
| I | Deep | IGDIGW19D | Thallium | 7440280 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | Yes |
| I | Deep | IGDIGW01D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW02D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW03D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.65E+02 | 3.65E+02 | 3.65E+02 | | No | No | No |
| I | Deep | IGDIGW04D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.19E+02 | 3.19E+02 | 3.19E+02 | | No | No | No |
| I | Deep | IGDIGW05D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW06D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW07D | Tin (Sn) | 7440315 | 6 | 1 | 5 | 1.00E+03 | 7.00E+00 | 7.00E+00 | 7.00E+00 | | No | No | No |
| I | Deep | IGDIGW08D | Tin (Sn) | 7440315 | 6 | 0 | 6 | 1.00E+03 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW09D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 2.18E+02 | 2.18E+02 | 2.18E+02 | | No | No | No |
| I | Deep | IGDIGW10D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.70E+00 | 3.70E+00 | 3.70E+00 | | No | No | No |
| I | Deep | IGDIGW11D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 2.07E+02 | 2.07E+02 | 2.07E+02 | | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW12D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 5.00E+01 | 3.13E+02 | 3.13E+02 | 3.13E+02 | | No | No | No |
| I | Deep | IGDIGW13D | Tin (Sn) | 7440315 | 5 | 0 | 5 | 1.00E+03 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW14D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 5.00E+01 | 1.15E+02 | 1.15E+02 | 1.15E+02 | | No | No | No |
| I | Deep | IGDIGW15D | Tin (Sn) | 7440315 | 4 | 1 | 3 | 2.00E+01 | 3.10E+00 | 3.10E+00 | 3.10E+00 | | No | No | No |
| I | Deep | IGDIGW16D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW17D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 5.00E+01 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW18D | Tin (Sn) | 7440315 | 4 | 2 | 2 | 5.00E+01 | 3.10E+00 | 3.36E+02 | 1.70E+02 | | No | No | No |
| I | Deep | IGDIGW19D | Tin (Sn) | 7440315 | 4 | 0 | 4 | 2.00E+01 | NA | NA | NA | | | | No |
| I | Deep | IGDIGW01D | Vanadium | 7440622 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| I | Deep | IGDIGW02D | Vanadium | 7440622 | 4 | 1 | 3 | 1.00E+00 | 2.10E+00 | 2.10E+00 | 2.10E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW03D | Vanadium | 7440622 | 4 | 4 | 0 | NA | 2.40E+00 | 1.20E+01 | 6.90E+00 | 2.56E+02 | No | No | |
| I | Deep | IGDIGW04D | Vanadium | 7440622 | 4 | 4 | 0 | NA | 3.60E+00 | 1.87E+01 | 1.22E+01 | 2.56E+02 | No | No | |
| I | Deep | IGDIGW05D | Vanadium | 7440622 | 4 | 1 | 3 | 1.60E+00 | 9.50E-01 | 9.50E-01 | 9.50E-01 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW06D | Vanadium | 7440622 | 4 | 3 | 1 | 1.90E+00 | 2.80E+00 | 7.20E+00 | 4.80E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW07D | Vanadium | 7440622 | 6 | 2 | 4 | 1.37E+01 | 1.40E+00 | 1.50E+00 | 1.45E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW08D | Vanadium | 7440622 | 6 | 1 | 5 | 9.90E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW09D | Vanadium | 7440622 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| I | Deep | IGDIGW10D | Vanadium | 7440622 | 4 | 3 | 1 | 2.40E+00 | 2.00E+00 | 5.30E+00 | 3.30E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW11D | Vanadium | 7440622 | 4 | 4 | 0 | NA | 5.60E+00 | 6.60E+00 | 6.18E+00 | 2.56E+02 | No | No | |
| I | Deep | IGDIGW12D | Vanadium | 7440622 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| I | Deep | IGDIGW13D | Vanadium | 7440622 | 5 | 4 | 1 | 5.00E+00 | 4.60E+00 | 1.48E+01 | 8.30E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW14D | Vanadium | 7440622 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| I | Deep | IGDIGW15D | Vanadium | 7440622 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 2.56E+02 | | | No |
| I | Deep | IGDIGW16D | Vanadium | 7440622 | 4 | 0 | 4 | 5.00E+00 | NA | NA | NA | 2.56E+02 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| I | Deep | IGDIGW17D | Vanadium | 7440622 | 4 | 1 | 3 | 5.00E+00 | 2.40E+00 | 2.40E+00 | 2.40E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW18D | Vanadium | 7440622 | 4 | 2 | 2 | 6.30E+00 | 1.60E+00 | 3.20E+00 | 2.40E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW19D | Vanadium | 7440622 | 4 | 2 | 2 | 1.00E+00 | 1.40E+00 | 1.50E+00 | 1.45E+00 | 2.56E+02 | No | No | No |
| I | Deep | IGDIGW01D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.24E+01 | 1.24E+01 | 1.24E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW02D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 9.00E+00 | 9.00E+00 | 9.00E+00 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW03D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 2.23E+01 | 2.23E+01 | 2.23E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW04D | Zinc | 7440666 | 4 | 0 | 4 | 5.30E+00 | NA | NA | NA | 5.00E+03 | | | No |
| I | Deep | IGDIGW05D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 2.05E+01 | 2.05E+01 | 2.05E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW06D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 7.40E+00 | 7.40E+00 | 7.40E+00 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW07D | Zinc | 7440666 | 6 | 0 | 6 | 6.50E+00 | NA | NA | NA | 5.00E+03 | | | No |
| I | Deep | IGDIGW08D | Zinc | 7440666 | 6 | 0 | 6 | 7.20E+00 | NA | NA | NA | 5.00E+03 | | | No |
| I | Deep | IGDIGW09D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.80E+01 | 1.80E+01 | 1.80E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW10D | Zinc | 7440666 | 4 | 0 | 4 | 1.01E+01 | NA | NA | NA | 5.00E+03 | | | No |
| I | Deep | IGDIGW11D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 9.70E+00 | 9.70E+00 | 9.70E+00 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW12D | Zinc | 7440666 | 4 | 1 | 3 | 1.00E+01 | 1.32E+01 | 1.32E+01 | 1.32E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW13D | Zinc | 7440666 | 5 | 0 | 5 | 4.00E+01 | NA | NA | NA | 5.00E+03 | | | No |
| I | Deep | IGDIGW14D | Zinc | 7440666 | 4 | 1 | 3 | 1.00E+01 | 1.83E+01 | 1.83E+01 | 1.83E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW15D | Zinc | 7440666 | 4 | 1 | 3 | 5.30E+00 | 1.16E+02 | 1.16E+02 | 1.16E+02 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW16D | Zinc | 7440666 | 4 | 1 | 3 | 1.00E+01 | 9.10E+00 | 9.10E+00 | 9.10E+00 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW17D | Zinc | 7440666 | 4 | 1 | 3 | 2.65E+01 | 1.23E+01 | 1.23E+01 | 1.23E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW18D | Zinc | 7440666 | 4 | 1 | 3 | 1.00E+01 | 6.57E+01 | 6.57E+01 | 6.57E+01 | 5.00E+03 | No | No | No |
| I | Deep | IGDIGW19D | Zinc | 7440666 | 4 | 0 | 4 | 6.60E+00 | NA | NA | NA | 5.00E+03 | | | No |
| K-Annex | Shallow | KGDKGW001 | Aluminum | 7429905 | 4 | 2 | 2 | 1.10E+03 | 3.90E+02 | 9.50E+03 | 4.90E+03 | 2.00E+02 | Yes | Yes | Yes |
| K-Annex | Shallow | KGDKGW002 | Aluminum | 7429905 | 5 | 1 | 4 | 4.50E+02 | 8.30E+02 | 8.30E+02 | 8.30E+02 | 2.00E+02 | No | No | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| K-Annex | Shallow | KGDKGW001 | Antimony | 7440360 | 4 | 0 | 4 | 2.80E+00 | NA | NA | NA | 6.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW002 | Antimony | 7440360 | 5 | 0 | 5 | 2.80E+00 | NA | NA | NA | 6.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW001 | Arsenic | 7440382 | 4 | 0 | 4 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | No |
| K-Annex | Shallow | KGDKGW002 | Arsenic | 7440382 | 5 | 0 | 5 | 3.30E+00 | NA | NA | NA | 5.00E+01 | | | No |
| K-Annex | Shallow | KGDKGW001 | Barium | 7440393 | 4 | 4 | 0 | NA | 2.10E+01 | 6.50E+01 | 3.50E+01 | 2.00E+03 | No | No | |
| K-Annex | Shallow | KGDKGW002 | Barium | 7440393 | 5 | 4 | 1 | 8.50E+00 | 6.20E+00 | 1.20E+01 | 9.00E+00 | 2.00E+03 | No | No | No |
| K-Annex | Shallow | KGDKGW001 | Beryllium | 7440417 | 4 | 0 | 4 | 2.20E-01 | NA | NA | NA | 4.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW002 | Beryllium | 7440417 | 5 | 0 | 5 | 2.20E-01 | NA | NA | NA | 4.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW001 | Cadmium | 7440439 | 4 | 0 | 4 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW002 | Cadmium | 7440439 | 5 | 0 | 5 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW001 | Chromium, Total | 7440473 | 4 | 1 | 3 | 5.10E+00 | 1.10E+01 | 1.10E+01 | 1.10E+01 | 1.00E+02 | No | No | No |
| K-Annex | Shallow | KGDKGW002 | Chromium, Total | 7440473 | 5 | 0 | 5 | 5.10E+00 | NA | NA | NA | 1.00E+02 | | | No |
| K-Annex | Shallow | KGDKGW001 | Cobalt | 7440484 | 4 | 1 | 3 | 1.40E+00 | 1.50E+00 | 1.50E+00 | 1.50E+00 | 2.20E+03 | No | No | No |
| K-Annex | Shallow | KGDKGW002 | Cobalt | 7440484 | 5 | 0 | 5 | 1.40E+00 | NA | NA | NA | 2.20E+03 | | | No |
| K-Annex | Shallow | KGDKGW001 | Copper | 7440508 | 4 | 2 | 2 | 7.80E+00 | 1.30E+00 | 4.80E+00 | 3.10E+00 | 1.30E+03 | No | No | No |
| K-Annex | Shallow | KGDKGW002 | Copper | 7440508 | 5 | 1 | 4 | 5.30E+00 | 9.80E-01 | 9.80E-01 | 9.80E-01 | 1.30E+03 | No | No | No |
| K-Annex | Shallow | KGDKGW001 | Iron | 7439896 | 4 | 3 | 1 | 1.60E+02 | 6.40E+01 | 2.80E+03 | 1.00E+03 | 3.00E+02 | Yes | Yes | No |
| K-Annex | Shallow | KGDKGW002 | Iron | 7439896 | 5 | 3 | 2 | 1.70E+02 | 1.10E+02 | 3.90E+02 | 2.50E+02 | 3.00E+02 | No | No | No |
| K-Annex | Shallow | KGDKGW001 | Lead | 7439921 | 4 | 1 | 3 | 1.90E+00 | 6.10E+00 | 6.10E+00 | 6.10E+00 | 1.50E+01 | No | No | No |
| K-Annex | Shallow | KGDKGW002 | Lead | 7439921 | 5 | 1 | 4 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.50E+01 | No | No | No |
| K-Annex | Shallow | KGDKGW001 | Manganese | 7439965 | 4 | 3 | 1 | 4.60E+00 | 6.70E+00 | 6.70E+01 | 2.90E+01 | 5.00E+01 | Yes | No | No |
| K-Annex | Shallow | KGDKGW002 | Manganese | 7439965 | 5 | 2 | 3 | 3.40E+00 | 1.30E+00 | 5.90E+00 | 3.60E+00 | 5.00E+01 | No | No | No |
| K-Annex | Shallow | KGDKGW001 | Mercury | 7439976 | 4 | 0 | 4 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max Detect | Mean Detect | Max NonDetect |
| K-Annex | Shallow | KGDKGW002 | Mercury | 7439976 | 5 | 0 | 5 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW001 | Nickel | 7440020 | 4 | 1 | 3 | 6.20E+00 | 6.40E+00 | 6.40E+00 | 6.40E+00 | 1.00E+02 | No | No | No |
| K-Annex | Shallow | KGDKGW002 | Nickel | 7440020 | 5 | 0 | 5 | 5.00E+00 | NA | NA | NA | 1.00E+02 | | | No |
| K-Annex | Shallow | KGDKGW001 | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| K-Annex | Shallow | KGDKGW002 | Selenium | 7782492 | 5 | 0 | 5 | 3.60E+00 | NA | NA | NA | 5.00E+01 | | | No |
| K-Annex | Shallow | KGDKGW001 | Silver | 7440224 | 4 | 0 | 4 | 3.20E+00 | NA | NA | NA | 1.00E+02 | No | No | No |
| K-Annex | Shallow | KGDKGW002 | Silver | 7440224 | 5 | 0 | 5 | 3.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| K-Annex | Shallow | KGDKGW001 | Thallium | 7440280 | 4 | 0 | 4 | 6.70E+00 | NA | NA | NA | 2.00E+00 | No | No | Yes |
| K-Annex | Shallow | KGDKGW002 | Thallium | 7440280 | 5 | 0 | 5 | 6.70E+00 | NA | NA | NA | 2.00E+00 | | | No |
| K-Annex | Shallow | KGDKGW001 | Tin | 7440315 | 4 | 0 | 4 | 4.50E+01 | NA | NA | NA | | | | |
| K-Annex | Shallow | KGDKGW002 | Tin | 7440315 | 5 | 2 | 3 | 8.80E+01 | 5.40E+01 | 2.00E+02 | 1.20E+02 | | | | |
| K-Annex | Shallow | KGDKGW001 | Vanadium | 7440622 | 4 | 2 | 2 | 7.80E-01 | 7.60E-01 | 9.40E+00 | 5.10E+00 | 2.60E+02 | No | No | No |
| K-Annex | Shallow | KGDKGW002 | Vanadium | 7440622 | 5 | 1 | 4 | 7.80E-01 | 1.00E+00 | 1.00E+00 | 1.00E+00 | 2.60E+02 | No | No | No |
| K-Annex | Shallow | KGDKGW001 | Zinc | 7440666 | 4 | 0 | 4 | 6.90E+01 | NA | NA | NA | 5.00E+03 | | | No |
| K-Annex | Shallow | KGDKGW002 | Zinc | 7440666 | 5 | 0 | 5 | 4.30E+01 | NA | NA | NA | 5.00E+03 | | | No |
| K-Clouter | Shallow | KGDKGWCL1 | Aluminum | 7429905 | 4 | 0 | 4 | 7.40E+01 | NA | NA | NA | 2.00E+02 | | | No |
| K-Clouter | Shallow | KGDKGWCL1 | Antimony | 7440360 | 6 | 0 | 6 | 2.70E+00 | NA | NA | NA | 6.00E+00 | | | No |
| K-Clouter | Shallow | KGDKGWCL1 | Arsenic | 7440382 | 6 | 6 | 0 | NA | 4.60E+00 | 9.40E+00 | 6.70E+00 | 5.00E+01 | No | No | |
| K-Clouter | Shallow | KGDKGWCL1 | Barium | 7440393 | 4 | 4 | 0 | NA | 2.90E+01 | 6.20E+01 | 4.80E+01 | 2.00E+03 | No | No | |
| K-Clouter | Shallow | KGDKGWCL1 | Beryllium | 7440417 | 6 | 2 | 4 | 5.60E-01 | 1.90E-01 | 2.00E-01 | 2.00E-01 | 4.00E+00 | No | No | No |
| K-Clouter | Shallow | KGDKGWCL1 | Cadmium | 7440439 | 4 | 1 | 3 | 3.00E-01 | 3.60E-01 | 3.60E-01 | 3.60E-01 | 5.00E+00 | No | No | No |
| K-Clouter | Shallow | KGDKGWCL1 | Chromium, Total | 7440473 | 6 | 1 | 5 | 4.20E+00 | 2.20E+00 | 2.20E+00 | 2.20E+00 | 1.00E+02 | No | No | No |
| K-Clouter | Shallow | KGDKGWCL1 | Cobalt | 7440484 | 4 | 0 | 4 | 8.90E-01 | NA | NA | NA | 2.20E+03 | | | No |

**TABLE B2**
Background Groundwater (Shallow and Deep) Parameter Analytical Results per Well
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | Station ID | Parameter Name | CASRN | No. Sample Events | No. Detects | No. Non-Detects | Max Non-Detect | Min Detect (μg/L) | Max Detect (μg/L) | Mean Detect (μg/L) | GWP Criteria (μg/L) | Max Detect | Mean Detect | Max NonDetect |
| K-Clouter | Shallow | KGDKGWCL1 | Copper | 7440508 | 4 | 2 | 2 | 1.10E+00 | 4.60E+00 | 5.90E+00 | 5.30E+00 | 1.30E+03 | No | No | No |
| K-Clouter | Shallow | KGDKGWCL1 | Iron | 7439896 | 4 | 4 | 0 | NA | 2.60E+03 | 6.30E+03 | 4.60E+03 | 3.00E+02 | No | No | |
| K-Clouter | Shallow | KGDKGWCL1 | Lead | 7439921 | 6 | 0 | 6 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | No |
| K-Clouter | Shallow | KGDKGWCL1 | Manganese | 7439965 | 4 | 4 | 0 | NA | 3.10E+02 | 9.80E+02 | 6.10E+02 | 5.00E+01 | No | No | |
| K-Clouter | Shallow | KGDKGWCL1 | Mercury | 7439976 | 6 | 0 | 6 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | No |
| K-Clouter | Shallow | KGDKGWCL1 | Nickel | 7440020 | 4 | 1 | 3 | 2.80E+00 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 1.00E+02 | No | No | No |
| K-Clouter | Shallow | KGDKGWCL1 | Selenium | 7782492 | 4 | 0 | 4 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | No |
| K-Clouter | Shallow | KGDKGWCL1 | Silver | 7440224 | 4 | 0 | 4 | 3.20E+00 | NA | NA | NA | 1.00E+02 | | | No |
| K-Clouter | Shallow | KGDKGWCL1 | Thallium | 7440280 | 6 | 0 | 6 | 5.20E+01 | NA | NA | NA | 2.00E+00 | | | Yes |
| K-Clouter | Shallow | KGDKGWCL1 | Tin | 7440315 | 4 | 1 | 3 | 3.10E+01 | 4.00E+01 | 4.00E+01 | 4.00E+01 | | | | |
| K-Clouter | Shallow | KGDKGWCL1 | Vanadium | 7440622 | 4 | 4 | 0 | NA | 3.30E+00 | 5.90E+00 | 4.60E+00 | 2.60E+02 | No | No | |
| K-Clouter | Shallow | KGDKGWCL1 | Zinc | 7440666 | 4 | 0 | 4 | 2.60E+01 | NA | NA | NA | 5.00E+03 | | | No |

All units are in micrograms per liter (μg/L).

NA Not applicable/not available

# Appendix C1

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDA | Aluminum | 13 | 13 | 3,640 | 11,800 | 7,468 | 2,216 |
| SS | GDA | Antimony | 13 | 0 | NA | NA | NA | NA |
| SS | GDA | Arsenic | 16 | 16 | 1.7 | 30 | 7.0 | 6.9 |
| SS | GDA | Barium | 13 | 13 | 6.5 | 47 | 23 | 9.4 |
| SS | GDA | Beryllium | 13 | 1 | 0.32 | 0.32 | 0.32 | NA |
| SS | GDA | Cadmium | 13 | 1 | 2.8 | 2.8 | 2.8 | NA |
| SS | GDA | Calcium | 13 | 13 | 797 | 78,900 | 17,673 | 24,601 |
| SS | GDA | Chromium, Total | 13 | 13 | 5.7 | 34 | 16 | 7.9 |
| SS | GDA | Cobalt | 13 | 5 | 1.6 | 4.4 | 2.4 | 1.2 |
| SS | GDA | Copper | 13 | 13 | 2.2 | 71 | 18 | 19 |
| SS | GDA | Iron | 13 | 13 | 1,530 | 15,700 | 7,461 | 3,659 |
| SS | GDA | Lead | 13 | 13 | 4.1 | 93 | 36 | 29 |
| SS | GDA | Magnesium | 13 | 13 | 231 | 3,150 | 822 | 851 |
| SS | GDA | Manganese | 13 | 13 | 8.7 | 66 | 36 | 18 |
| SS | GDA | Mercury | 13 | 4 | 0.12 | 0.30 | 0.21 | 0.075 |
| SS | GDA | Nickel | 13 | 11 | 3.2 | 15 | 8.3 | 4.3 |
| SS | GDA | Potassium | 13 | 12 | 128 | 675 | 300 | 149 |
| SS | GDA | Selenium | 13 | 2 | 0.70 | 0.88 | 0.79 | 0.13 |
| SS | GDA | Silver | 13 | 0 | NA | NA | NA | NA |
| SS | GDA | Sodium | 13 | 13 | 195 | 653 | 290 | 124 |
| SS | GDA | Thallium | 13 | 0 | NA | NA | NA | NA |
| SS | GDA | Tin | 13 | 0 | NA | NA | NA | NA |
| SS | GDA | Vanadium | 13 | 13 | 4.9 | 28 | 16 | 5.8 |
| SS | GDA | Zinc | 13 | 13 | 4.5 | 168 | 75 | 49 |
| SS | GDB | Aluminum | 15 | 15 | 6,320 | 55,500 | 15,695 | 13,890 |
| SS | GDB | Antimony | 15 | 1 | 13 | 13 | 13 | NA |
| SS | GDB | Arsenic | 15 | 14 | 1.7 | 29 | 8.6 | 8.0 |
| SS | GDB | Barium | 15 | 15 | 15 | 95 | 47 | 20 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDB | Beryllium | 15 | 13 | 0.28 | 1.7 | 0.64 | 0.41 |
| SS | GDB | Cadmium | 15 | 0 | NA | NA | NA | NA |
| SS | GDB | Calcium | 15 | 15 | 406 | 115,000 | 16,822 | 31,516 |
| SS | GDB | Chromium, Total | 15 | 15 | 6.0 | 74 | 24 | 20 |
| SS | GDB | Cobalt | 15 | 12 | 1.4 | 11 | 4.1 | 3.2 |
| SS | GDB | Copper | 15 | 15 | 3.8 | 122 | 31 | 33 |
| SS | GDB | Iron | 15 | 15 | 2,630 | 48,700 | 12,682 | 14,134 |
| SS | GDB | Lead | 15 | 15 | 13 | 310 | 70 | 70 |
| SS | GDB | Magnesium | 15 | 15 | 226 | 6,990 | 1,767 | 2,014 |
| SS | GDB | Manganese | 15 | 15 | 27 | 454 | 213 | 134 |
| SS | GDB | Mercury | 15 | 8 | 0.12 | 1.5 | 0.59 | 0.54 |
| SS | GDB | Nickel | 15 | 15 | 3.4 | 29 | 12 | 7.0 |
| SS | GDB | Potassium | 15 | 13 | 145 | 3,570 | 910 | 1,006 |
| SS | GDB | Selenium | 15 | 5 | 0.78 | 2.8 | 1.8 | 0.72 |
| SS | GDB | Silver | 15 | 6 | 0.72 | 1.7 | 1.3 | 0.45 |
| SS | GDB | Sodium | 15 | 15 | 165 | 6,670 | 759 | 1,648 |
| SS | GDB | Thallium | 15 | 0 | NA | NA | NA | NA |
| SS | GDB | Tin | 15 | 6 | 8.2 | 14 | 11 | 2.0 |
| SS | GDB | Vanadium | 15 | 15 | 6.5 | 101 | 26 | 28 |
| SS | GDB | Zinc | 15 | 15 | 18 | 266 | 106 | 74 |
| SS | GDC | Aluminum | 44 | 44 | 2,110 | 9,850 | 4,988 | 1,876 |
| SS | GDC | Antimony | 44 | 15 | 0.26 | 1.4 | 0.42 | 0.28 |
| SS | GDC | Arsenic | 44 | 31 | 0.40 | 39 | 5.6 | 8.4 |
| SS | GDC | Barium | 44 | 44 | 4.4 | 193 | 28 | 33 |
| SS | GDC | Beryllium | 44 | 4 | 0.11 | 0.26 | 0.18 | 0.062 |
| SS | GDC | Cadmium | 44 | 6 | 0.16 | 0.65 | 0.40 | 0.18 |
| SS | GDC | Calcium | 44 | 43 | 484 | 85,600 | 16,077 | 19,777 |
| SS | GDC | Chromium, Total | 44 | 44 | 2.7 | 32 | 9.8 | 6.2 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDC | Cobalt | 44 | 41 | 0.18 | 2.9 | 1.1 | 0.60 |
| SS | GDC | Copper | 44 | 43 | 0.81 | 40 | 12 | 9.5 |
| SS | GDC | Iron | 44 | 44 | 841 | 12,000 | 3,848 | 2,229 |
| SS | GDC | Lead | 44 | 44 | 2.7 | 588 | 69 | 111 |
| SS | GDC | Magnesium | 44 | 44 | 130 | 2,390 | 574 | 506 |
| SS | GDC | Manganese | 44 | 44 | 10 | 101 | 43 | 22 |
| SS | GDC | Mercury | 44 | 15 | 0.11 | 0.75 | 0.19 | 0.16 |
| SS | GDC | Nickel | 44 | 40 | 0.54 | 28 | 4.0 | 4.5 |
| SS | GDC | Potassium | 44 | 44 | 65 | 836 | 258 | 188 |
| SS | GDC | Selenium | 44 | 25 | 0.48 | 1.3 | 0.70 | 0.22 |
| SS | GDC | Silver | 44 | 3 | 0.050 | 0.060 | 0.057 | 0.0058 |
| SS | GDC | Sodium | 44 | 18 | 99 | 729 | 313 | 172 |
| SS | GDC | Thallium | 44 | 0 | NA | NA | NA | NA |
| SS | GDC | Tin | 44 | 33 | 0.70 | 8.1 | 1.7 | 1.3 |
| SS | GDC | Vanadium | 44 | 44 | 2.7 | 25 | 8.8 | 5.5 |
| SS | GDC | Zinc | 44 | 44 | 3.4 | 779 | 76 | 128 |
| SS | GDD | Aluminum | 6 | 6 | 3,560 | 6,510 | 4,312 | 1,139 |
| SS | GDD | Antimony | 6 | 1 | 1.7 | 1.7 | 1.7 | NA |
| SS | GDD | Arsenic | 6 | 6 | 0.84 | 7.4 | 2.8 | 2.6 |
| SS | GDD | Barium | 6 | 6 | 9.7 | 20 | 15 | 4.7 |
| SS | GDD | Beryllium | 6 | 1 | 0.13 | 0.13 | 0.13 | NA |
| SS | GDD | Cadmium | 6 | 1 | 0.11 | 0.11 | 0.11 | NA |
| SS | GDD | Calcium | 6 | 6 | 344 | 15,500 | 4,062 | 5,673 |
| SS | GDD | Chromium, Total | 6 | 6 | 4.5 | 9.7 | 6.1 | 1.9 |
| SS | GDD | Cobalt | 6 | 6 | 0.34 | 17 | 4.7 | 6.8 |
| SS | GDD | Copper | 6 | 1 | 116 | 116 | 116 | NA |
| SS | GDD | Iron | 6 | 6 | 966 | 3,600 | 2,239 | 841 |
| SS | GDD | Lead | 6 | 6 | 2.2 | 21 | 9.4 | 8.3 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDD | Magnesium | 6 | 6 | 157 | 850 | 345 | 260 |
| SS | GDD | Manganese | 6 | 6 | 5.0 | 23 | 14 | 6.2 |
| SS | GDD | Mercury | 6 | 1 | 0.060 | 0.060 | 0.060 | NA |
| SS | GDD | Nickel | 6 | 6 | 1.2 | 4.7 | 2.4 | 1.4 |
| SS | GDD | Potassium | 6 | 0 | NA | NA | NA | NA |
| SS | GDD | Selenium | 6 | 4 | 0.40 | 1.0 | 0.57 | 0.29 |
| SS | GDD | Silver | 6 | 3 | 0.26 | 0.42 | 0.32 | 0.090 |
| SS | GDD | Sodium | 6 | 1 | 170 | 170 | 170 | NA |
| SS | GDD | Thallium | 6 | 0 | NA | NA | NA | NA |
| SS | GDD | Tin | 6 | 0 | NA | NA | NA | NA |
| SS | GDD | Vanadium | 6 | 6 | 2.2 | 9.1 | 4.9 | 2.6 |
| SS | GDD | Zinc | 6 | 4 | 6.8 | 41 | 18 | 16 |
| SS | GDE | Aluminum | 37 | 32 | 261 | 20,500 | 6,624 | 5,409 |
| SS | GDE | Antimony | 37 | 10 | 0.50 | 7.4 | 1.8 | 2.1 |
| SS | GDE | Arsenic | 37 | 30 | 0.95 | 68 | 11 | 14 |
| SS | GDE | Barium | 37 | 32 | 1.8 | 1,980 | 85 | 346 |
| SS | GDE | Beryllium | 37 | 28 | 0.13 | 1.6 | 0.55 | 0.38 |
| SS | GDE | Cadmium | 37 | 14 | 0.060 | 1.5 | 0.70 | 0.43 |
| SS | GDE | Calcium | 37 | 32 | 167 | 182,000 | 26,609 | 40,611 |
| SS | GDE | Chromium, Total | 37 | 36 | 2.3 | 567 | 34 | 93 |
| SS | GDE | Cobalt | 37 | 31 | 0.35 | 111 | 7.5 | 20 |
| SS | GDE | Copper | 37 | 32 | 0.47 | 866 | 68 | 162 |
| SS | GDE | Iron | 37 | 32 | 1,050 | 30,600 | 10,133 | 9,127 |
| SS | GDE | Lead | 37 | 32 | 1.0 | 400 | 69 | 105 |
| SS | GDE | Magnesium | 37 | 32 | 31 | 14,800 | 2,384 | 3,253 |
| SS | GDE | Manganese | 37 | 32 | 0.93 | 508 | 121 | 123 |
| SS | GDE | Mercury | 36 | 23 | 0.030 | 2.7 | 0.35 | 0.55 |
| SS | GDE | Nickel | 37 | 31 | 0.60 | 72 | 12 | 16 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDE | Potassium | 37 | 25 | 46 | 2,620 | 777 | 661 |
| SS | GDE | Selenium | 37 | 11 | 0.57 | 4.0 | 1.4 | 0.98 |
| SS | GDE | Silver | 37 | 2 | 0.75 | 0.91 | 0.83 | 0.11 |
| SS | GDE | Sodium | 37 | 29 | 12 | 28,200 | 1,334 | 5,185 |
| SS | GDE | Thallium | 37 | 4 | 0.61 | 2.8 | 1.6 | 1.0 |
| SS | GDE | Tin | 37 | 20 | 0.77 | 45 | 10 | 12 |
| SS | GDE | Vanadium | 37 | 33 | 1.1 | 60 | 17 | 15 |
| SS | GDE | Zinc | 37 | 31 | 1.9 | 855 | 151 | 241 |
| SS | GDF | Aluminum | 5 | 5 | 3,610 | 19,400 | 7,590 | 6,658 |
| SS | GDF | Antimony | 5 | 2 | 0.50 | 0.71 | 0.61 | 0.15 |
| SS | GDF | Arsenic | 5 | 5 | 3.0 | 30 | 13 | 12 |
| SS | GDF | Barium | 5 | 5 | 13 | 47 | 30 | 15 |
| SS | GDF | Beryllium | 5 | 5 | 0.19 | 1.3 | 0.45 | 0.48 |
| SS | GDF | Cadmium | 5 | 4 | 0.12 | 0.22 | 0.17 | 0.048 |
| SS | GDF | Calcium | 5 | 5 | 2,080 | 15,200 | 6,758 | 5,172 |
| SS | GDF | Chromium, Total | 5 | 5 | 6.3 | 35 | 15 | 12 |
| SS | GDF | Cobalt | 5 | 5 | 0.94 | 36 | 8.1 | 16 |
| SS | GDF | Copper | 5 | 5 | 5.7 | 56 | 24 | 19 |
| SS | GDF | Iron | 5 | 5 | 3,570 | 28,200 | 10,106 | 10,238 |
| SS | GDF | Lead | 5 | 5 | 49 | 231 | 94 | 77 |
| SS | GDF | Magnesium | 5 | 5 | 323 | 4,000 | 1,190 | 1,574 |
| SS | GDF | Manganese | 5 | 5 | 32 | 436 | 124 | 176 |
| SS | GDF | Mercury | 5 | 5 | 0.090 | 0.41 | 0.23 | 0.13 |
| SS | GDF | Nickel | 5 | 3 | 2.4 | 16 | 7.7 | 7.3 |
| SS | GDF | Potassium | 5 | 4 | 202 | 1,580 | 610 | 656 |
| SS | GDF | Selenium | 5 | 4 | 0.44 | 0.95 | 0.66 | 0.22 |
| SS | GDF | Silver | 5 | 1 | 5.0 | 5.0 | 5.0 | NA |
| SS | GDF | Sodium | 5 | 1 | 226 | 226 | 226 | NA |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Range of Concentrations Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDF | Thallium | 5 | 0 | NA | NA | NA | NA |
| SS | GDF | Tin | 5 | 1 | 22 | 22 | 22 | NA |
| SS | GDF | Vanadium | 5 | 5 | 6.8 | 60 | 21 | 22 |
| SS | GDF | Zinc | 5 | 5 | 33 | 202 | 98 | 67 |
| SS | GDG | Aluminum | 9 | 9 | 2,190 | 17,800 | 9,302 | 5,391 |
| SS | GDG | Antimony | 9 | 5 | 0.79 | 5.7 | 2.4 | 2.0 |
| SS | GDG | Arsenic | 9 | 9 | 3.1 | 25 | 12 | 8.1 |
| SS | GDG | Barium | 9 | 9 | 11 | 129 | 51 | 36 |
| SS | GDG | Beryllium | 9 | 6 | 0.47 | 1.1 | 0.79 | 0.22 |
| SS | GDG | Cadmium | 9 | 7 | 0.12 | 1.7 | 0.68 | 0.51 |
| SS | GDG | Calcium | 9 | 9 | 8,920 | 52,300 | 23,391 | 14,051 |
| SS | GDG | Chromium, Total | 9 | 9 | 7.0 | 39 | 21 | 11 |
| SS | GDG | Cobalt | 9 | 9 | 1.1 | 6.2 | 3.3 | 1.8 |
| SS | GDG | Copper | 9 | 7 | 23 | 431 | 166 | 156 |
| SS | GDG | Iron | 9 | 9 | 4,300 | 32,700 | 14,577 | 8,714 |
| SS | GDG | Lead | 9 | 9 | 3.5 | 275 | 91 | 78 |
| SS | GDG | Magnesium | 9 | 9 | 766 | 5,280 | 2,008 | 1,409 |
| SS | GDG | Manganese | 9 | 9 | 39 | 359 | 163 | 114 |
| SS | GDG | Mercury | 9 | 8 | 0.060 | 2.0 | 0.62 | 0.64 |
| SS | GDG | Nickel | 9 | 9 | 2.0 | 27 | 10 | 7.6 |
| SS | GDG | Potassium | 9 | 8 | 280 | 1,730 | 860 | 481 |
| SS | GDG | Selenium | 9 | 6 | 0.45 | 1.4 | 0.79 | 0.35 |
| SS | GDG | Silver | 9 | 0 | NA | NA | NA | NA |
| SS | GDG | Sodium | 9 | 5 | 394 | 1,150 | 885 | 314 |
| SS | GDG | Thallium | 9 | 3 | 0.55 | 0.91 | 0.68 | 0.20 |
| SS | GDG | Tin | 9 | 4 | 2.6 | 26 | 9.3 | 11 |
| SS | GDG | Vanadium | 9 | 9 | 7.2 | 57 | 30 | 17 |
| SS | GDG | Zinc | 9 | 8 | 18 | 1,650 | 465 | 564 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDH | Aluminum | 97 | 97 | 1,090 | 32,700 | 8,688 | 6,227 |
| SS | GDH | Antimony | 96 | 6 | 1.1 | 2.2 | 1.6 | 0.39 |
| SS | GDH | Arsenic | 97 | 84 | 0.64 | 18 | 6.6 | 4.3 |
| SS | GDH | Barium | 97 | 85 | 3.6 | 73 | 17 | 11 |
| SS | GDH | Beryllium | 97 | 85 | 0.040 | 1.4 | 0.42 | 0.32 |
| SS | GDH | Cadmium | 97 | 21 | 0.12 | 1.6 | 0.40 | 0.46 |
| SS | GDH | Calcium | 97 | 97 | 169 | 333,000 | 52,482 | 66,613 |
| SS | GDH | Chromium, Total | 97 | 96 | 3.4 | 114 | 27 | 21 |
| SS | GDH | Cobalt | 97 | 72 | 0.49 | 7.9 | 2.3 | 1.6 |
| SS | GDH | Copper | 97 | 82 | 0.94 | 126 | 14 | 17 |
| SS | GDH | Iron | 97 | 97 | 695 | 38,800 | 9,484 | 8,629 |
| SS | GDH | Lead | 97 | 82 | 1.8 | 172 | 31 | 31 |
| SS | GDH | Magnesium | 97 | 97 | 131 | 7,850 | 2,035 | 1,681 |
| SS | GDH | Manganese | 97 | 97 | 5.3 | 1,200 | 146 | 194 |
| SS | GDH | Mercury | 97 | 69 | 0.020 | 3.8 | 0.25 | 0.56 |
| SS | GDH | Nickel | 97 | 86 | 0.63 | 92 | 11 | 14 |
| SS | GDH | Potassium | 97 | 80 | 65 | 2,960 | 767 | 639 |
| SS | GDH | Selenium | 97 | 25 | 0.28 | 2.6 | 1.0 | 0.67 |
| SS | GDH | Silver | 97 | 2 | 0.55 | 0.74 | 0.65 | 0.13 |
| SS | GDH | Sodium | 97 | 95 | 10 | 1,660 | 337 | 362 |
| SS | GDH | Thallium | 97 | 7 | 0.12 | 1.1 | 0.70 | 0.36 |
| SS | GDH | Vanadium | 97 | 96 | 4.1 | 75 | 24 | 16 |
| SS | GDH | Zinc | 97 | 89 | 5.0 | 431 | 58 | 55 |
| SS | GDI | Aluminum | 13 | 13 | 3,470 | 27,400 | 13,362 | 9,544 |
| SS | GDI | Antimony | 13 | 0 | NA | NA | NA | NA |
| SS | GDI | Arsenic | 13 | 12 | 0.46 | 20 | 7.1 | 5.6 |
| SS | GDI | Barium | 13 | 13 | 7.8 | 43 | 27 | 11 |
| SS | GDI | Beryllium | 13 | 8 | 0.34 | 0.95 | 0.67 | 0.24 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDI | Cadmium | 13 | 5 | 0.13 | 0.61 | 0.40 | 0.22 |
| SS | GDI | Calcium | 13 | 13 | 1,670 | 59,500 | 24,108 | 18,266 |
| SS | GDI | Chromium, Total | 13 | 13 | 7.5 | 54 | 29 | 17 |
| SS | GDI | Cobalt | 13 | 9 | 0.64 | 5.8 | 4.0 | 1.7 |
| SS | GDI | Copper | 13 | 13 | 2.4 | 556 | 67 | 149 |
| SS | GDI | Iron | 13 | 13 | 1,730 | 22,700 | 11,267 | 8,047 |
| SS | GDI | Lead | 13 | 13 | 5.0 | 203 | 57 | 58 |
| SS | GDI | Magnesium | 13 | 13 | 424 | 3,820 | 1,956 | 1,443 |
| SS | GDI | Manganese | 13 | 13 | 15 | 426 | 163 | 155 |
| SS | GDI | Mercury | 13 | 7 | 0.13 | 0.47 | 0.26 | 0.11 |
| SS | GDI | Nickel | 13 | 12 | 1.5 | 18 | 10 | 5.7 |
| SS | GDI | Potassium | 13 | 9 | 493 | 2,730 | 1,735 | 899 |
| SS | GDI | Selenium | 13 | 9 | 0.50 | 1.1 | 0.86 | 0.22 |
| SS | GDI | Silver | 13 | 1 | 1.5 | 1.5 | 1.5 | NA |
| SS | GDI | Sodium | 13 | 12 | 181 | 2,030 | 666 | 551 |
| SS | GDI | Thallium | 13 | 0 | NA | NA | NA | NA |
| SS | GDI | Tin | 13 | 6 | 0.98 | 7.5 | 3.5 | 2.9 |
| SS | GDI | Vanadium | 13 | 13 | 8.5 | 53 | 28 | 17 |
| SS | GDI | Zinc | 13 | 13 | 5.9 | 150 | 58 | 44 |
| SS | GDK-A | Aluminum | 9 | 9 | 4,050 | 8,320 | 5,578 | 1,267 |
| SS | GDK-A | Antimony | 9 | 1 | 0.59 | 0.59 | 0.59 | NA |
| SS | GDK-A | Arsenic | 15 | 15 | 0.60 | 92 | 11 | 26 |
| SS | GDK-A | Barium | 9 | 9 | 6.6 | 20 | 13 | 4.6 |
| SS | GDK-A | Beryllium | 9 | 5 | 0.060 | 0.32 | 0.13 | 0.11 |
| SS | GDK-A | Cadmium | 9 | 1 | 0.080 | 0.080 | 0.080 | NA |
| SS | GDK-A | Calcium | 9 | 9 | 275 | 2,960 | 934 | 933 |
| SS | GDK-A | Chromium, Total | 9 | 9 | 2.8 | 6.3 | 4.2 | 1.1 |
| SS | GDK-A | Cobalt | 9 | 3 | 0.16 | 0.46 | 0.27 | 0.16 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDK-A | Copper | 15 | 8 | 0.90 | 4.8 | 2.5 | 1.3 |
| SS | GDK-A | Iron | 9 | 9 | 1,200 | 7,990 | 3,529 | 2,075 |
| SS | GDK-A | Lead | 9 | 9 | 8.9 | 259 | 46 | 80 |
| SS | GDK-A | Magnesium | 9 | 9 | 66 | 251 | 136 | 55 |
| SS | GDK-A | Manganese | 9 | 9 | 3.2 | 45 | 13 | 13 |
| SS | GDK-A | Mercury | 9 | 0 | NA | NA | NA | NA |
| SS | GDK-A | Nickel | 9 | 5 | 0.39 | 2.0 | 1.4 | 0.62 |
| SS | GDK-A | Potassium | 9 | 6 | 42 | 112 | 69 | 26 |
| SS | GDK-A | Selenium | 9 | 3 | 0.63 | 0.71 | 0.68 | 0.042 |
| SS | GDK-A | Silver | 9 | 2 | 0.24 | 0.88 | 0.56 | 0.45 |
| SS | GDK-A | Sodium | 9 | 6 | 11 | 21 | 16 | 3.9 |
| SS | GDK-A | Thallium | 9 | 0 | NA | NA | NA | NA |
| SS | GDK-A | Tin | 9 | 3 | 11 | 32 | 18 | 12 |
| SS | GDK-A | Vanadium | 9 | 9 | 5.3 | 13 | 7.9 | 2.4 |
| SS | GDK-A | Zinc | 9 | 1 | 24 | 24 | 24 | NA |
| SS | GDK-C | Aluminum | 4 | 4 | 5,020 | 24,700 | 14,655 | 8,691 |
| SS | GDK-C | Antimony | 4 | 3 | 0.48 | 2.2 | 1.1 | 0.97 |
| SS | GDK-C | Arsenic | 4 | 4 | 7.2 | 14 | 11 | 3.6 |
| SS | GDK-C | Barium | 4 | 4 | 17 | 51 | 29 | 16 |
| SS | GDK-C | Beryllium | 4 | 4 | 0.31 | 0.99 | 0.65 | 0.29 |
| SS | GDK-C | Cadmium | 4 | 2 | 0.29 | 0.42 | 0.36 | 0.092 |
| SS | GDK-C | Calcium | 4 | 4 | 8,100 | 59,000 | 39,950 | 22,061 |
| SS | GDK-C | Chromium, Total | 4 | 4 | 21 | 46 | 31 | 12 |
| SS | GDK-C | Cobalt | 4 | 4 | 0.35 | 4.5 | 2.9 | 1.8 |
| SS | GDK-C | Copper | 4 | 4 | 11 | 95 | 47 | 35 |
| SS | GDK-C | Iron | 4 | 4 | 10,400 | 23,400 | 16,575 | 5,775 |
| SS | GDK-C | Lead | 4 | 4 | 16 | 71 | 41 | 23 |
| SS | GDK-C | Magnesium | 4 | 4 | 2,110 | 4,240 | 3,125 | 873 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SS | GDK-C | Manganese | 4 | 4 | 229 | 1,050 | 511 | 367 |
| SS | GDK-C | Mercury | 4 | 3 | 0.17 | 0.52 | 0.32 | 0.18 |
| SS | GDK-C | Nickel | 4 | 4 | 4.6 | 16 | 11 | 6.2 |
| SS | GDK-C | Potassium | 4 | 4 | 859 | 2,010 | 1,290 | 519 |
| SS | GDK-C | Selenium | 4 | 3 | 0.46 | 1.1 | 0.69 | 0.36 |
| SS | GDK-C | Silver | 4 | 1 | 0.31 | 0.31 | 0.31 | NA |
| SS | GDK-C | Sodium | 4 | 4 | 150 | 2,530 | 1,350 | 1,175 |
| SS | GDK-C | Thallium | 4 | 0 | NA | NA | NA | NA |
| SS | GDK-C | Tin | 4 | 1 | 46 | 46 | 46 | NA |
| SS | GDK-C | Vanadium | 4 | 4 | 19 | 51 | 35 | 15 |
| SS | GDK-C | Zinc | 4 | 4 | 37 | 145 | 98 | 48 |
| SS | RR | Arsenic | 21 | 21 | 1.9 | 92 | 26 | 27 |
| SS | RR | Copper | 21 | 21 | 5.0 | 109 | 37 | 28 |
| SB | GDA | Aluminum | 12 | 12 | 3,850 | 17,500 | 9,083 | 3,972 |
| SB | GDA | Antimony | 12 | 0 | NA | NA | NA | NA |
| SB | GDA | Arsenic | 12 | 11 | 1.1 | 6.9 | 4.2 | 2.0 |
| SB | GDA | Barium | 12 | 12 | 5.7 | 31 | 16 | 7.0 |
| SB | GDA | Beryllium | 12 | 0 | NA | NA | NA | NA |
| SB | GDA | Cadmium | 12 | 0 | NA | NA | NA | NA |
| SB | GDA | Calcium | 12 | 12 | 491 | 262,000 | 59,132 | 99,812 |
| SB | GDA | Chromium, Total | 12 | 12 | 6.3 | 63 | 25 | 20 |
| SB | GDA | Cobalt | 12 | 2 | 1.6 | 1.7 | 1.7 | 0.071 |
| SB | GDA | Copper | 12 | 12 | 1.1 | 13 | 5.3 | 4.1 |
| SB | GDA | Iron | 12 | 12 | 2,550 | 37,400 | 10,153 | 9,895 |
| SB | GDA | Lead | 12 | 12 | 2.4 | 26 | 8.3 | 6.6 |
| SB | GDA | Magnesium | 12 | 12 | 245 | 10,200 | 2,468 | 3,629 |
| SB | GDA | Manganese | 12 | 12 | 7.5 | 91 | 26 | 23 |
| SB | GDA | Mercury | 12 | 0 | NA | NA | NA | NA |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDA | Nickel | 12 | 8 | 3.4 | 35 | 13 | 12 |
| SB | GDA | Potassium | 12 | 9 | 248 | 1,470 | 629 | 425 |
| SB | GDA | Selenium | 12 | 9 | 0.75 | 2.6 | 1.2 | 0.58 |
| SB | GDA | Silver | 12 | 1 | 1.0 | 1.0 | 1.0 | NA |
| SB | GDA | Sodium | 12 | 12 | 195 | 1,550 | 591 | 526 |
| SB | GDA | Thallium | 12 | 0 | NA | NA | NA | NA |
| SB | GDA | Tin | 12 | 1 | 9.2 | 9.2 | 9.2 | NA |
| SB | GDA | Vanadium | 12 | 12 | 5.5 | 49 | 23 | 14 |
| SB | GDA | Zinc | 12 | 12 | 6.0 | 66 | 26 | 20 |
| SB | GDB | Aluminum | 14 | 14 | 1,970 | 55,600 | 12,661 | 14,881 |
| SB | GDB | Antimony | 14 | 1 | 23 | 23 | 23 | NA |
| SB | GDB | Arsenic | 14 | 10 | 1.2 | 34 | 8.9 | 10 |
| SB | GDB | Barium | 14 | 14 | 12 | 65 | 28 | 17 |
| SB | GDB | Beryllium | 14 | 7 | 0.28 | 1.7 | 0.68 | 0.53 |
| SB | GDB | Cadmium | 14 | 0 | NA | NA | NA | NA |
| SB | GDB | Calcium | 14 | 14 | 279 | 182,000 | 17,400 | 48,153 |
| SB | GDB | Chromium, Total | 14 | 14 | 2.5 | 76 | 20 | 23 |
| SB | GDB | Cobalt | 14 | 6 | 1.9 | 11 | 4.8 | 3.6 |
| SB | GDB | Copper | 14 | 14 | 0.80 | 47 | 9.4 | 15 |
| SB | GDB | Iron | 14 | 14 | 1,470 | 49,100 | 11,667 | 14,104 |
| SB | GDB | Lead | 14 | 14 | 1.4 | 145 | 21 | 41 |
| SB | GDB | Magnesium | 14 | 14 | 147 | 9,070 | 1,872 | 2,755 |
| SB | GDB | Manganese | 14 | 14 | 8.6 | 744 | 129 | 192 |
| SB | GDB | Mercury | 14 | 3 | 0.18 | 2.0 | 0.97 | 0.93 |
| SB | GDB | Nickel | 14 | 9 | 4.6 | 25 | 12 | 7.2 |
| SB | GDB | Potassium | 14 | 9 | 176 | 4,720 | 1,151 | 1,482 |
| SB | GDB | Selenium | 14 | 4 | 0.72 | 3.8 | 2.2 | 1.3 |
| SB | GDB | Silver | 14 | 7 | 1.2 | 1.8 | 1.5 | 0.22 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDB | Sodium | 14 | 14 | 159 | 12,600 | 1,280 | 3,286 |
| SB | GDB | Thallium | 14 | 0 | NA | NA | NA | NA |
| SB | GDB | Tin | 14 | 2 | 8.2 | 20 | 14 | 8.6 |
| SB | GDB | Vanadium | 14 | 12 | 3.3 | 102 | 26 | 30 |
| SB | GDB | Zinc | 14 | 14 | 3.7 | 238 | 47 | 76 |
| SB | GDC | Aluminum | 30 | 30 | 1,450 | 25,400 | 6,481 | 5,358 |
| SB | GDC | Antimony | 30 | 3 | 0.22 | 0.92 | 0.58 | 0.35 |
| SB | GDC | Arsenic | 30 | 13 | 0.36 | 32 | 7.1 | 8.7 |
| SB | GDC | Barium | 30 | 30 | 3.6 | 65 | 17 | 13 |
| SB | GDC | Beryllium | 30 | 4 | 0.24 | 0.98 | 0.67 | 0.33 |
| SB | GDC | Cadmium | 30 | 3 | 0.13 | 0.28 | 0.21 | 0.076 |
| SB | GDC | Calcium | 30 | 25 | 181 | 40,300 | 5,553 | 9,835 |
| SB | GDC | Chromium, Total | 30 | 30 | 2.0 | 40 | 9.6 | 10 |
| SB | GDC | Cobalt | 30 | 25 | 0.14 | 7.1 | 1.3 | 2.0 |
| SB | GDC | Copper | 30 | 23 | 0.35 | 32 | 5.8 | 7.9 |
| SB | GDC | Iron | 30 | 30 | 726 | 36,700 | 5,639 | 8,348 |
| SB | GDC | Lead | 30 | 30 | 1.9 | 95 | 14 | 19 |
| SB | GDC | Magnesium | 30 | 30 | 62 | 3,940 | 590 | 1,013 |
| SB | GDC | Manganese | 30 | 30 | 3.2 | 520 | 54 | 125 |
| SB | GDC | Mercury | 30 | 6 | 0.14 | 8.5 | 1.6 | 3.4 |
| SB | GDC | Nickel | 30 | 20 | 0.60 | 13 | 3.3 | 3.1 |
| SB | GDC | Potassium | 30 | 30 | 41 | 2,460 | 346 | 616 |
| SB | GDC | Selenium | 30 | 11 | 0.49 | 2.9 | 1.1 | 0.76 |
| SB | GDC | Silver | 30 | 0 | NA | NA | NA | NA |
| SB | GDC | Sodium | 30 | 12 | 107 | 2,160 | 345 | 579 |
| SB | GDC | Thallium | 30 | 1 | 0.93 | 0.93 | 0.93 | NA |
| SB | GDC | Tin | 30 | 16 | 0.64 | 2.0 | 1.3 | 0.38 |
| SB | GDC | Vanadium | 30 | 30 | 1.5 | 57 | 11 | 15 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDC | Zinc | 30 | 30 | 1.3 | 168 | 30 | 42 |
| SB | GDD | Aluminum | 6 | 6 | 2,850 | 12,800 | 5,130 | 3,835 |
| SB | GDD | Antimony | 6 | 0 | NA | NA | NA | NA |
| SB | GDD | Arsenic | 6 | 6 | 0.74 | 5.8 | 2.0 | 1.9 |
| SB | GDD | Barium | 6 | 6 | 7.7 | 29 | 15 | 7.4 |
| SB | GDD | Beryllium | 6 | 3 | 0.12 | 0.96 | 0.64 | 0.45 |
| SB | GDD | Cadmium | 6 | 2 | 0.30 | 0.76 | 0.53 | 0.33 |
| SB | GDD | Calcium | 6 | 6 | 142 | 82,400 | 14,457 | 33,294 |
| SB | GDD | Chromium, Total | 6 | 6 | 2.5 | 41 | 11 | 15 |
| SB | GDD | Cobalt | 6 | 5 | 0.30 | 5.9 | 1.7 | 2.4 |
| SB | GDD | Copper | 6 | 0 | NA | NA | NA | NA |
| SB | GDD | Iron | 6 | 6 | 916 | 11,100 | 3,134 | 3,920 |
| SB | GDD | Lead | 6 | 6 | 1.4 | 9.2 | 3.9 | 3.3 |
| SB | GDD | Magnesium | 6 | 6 | 102 | 5,290 | 1,067 | 2,070 |
| SB | GDD | Manganese | 6 | 6 | 4.6 | 51 | 15 | 18 |
| SB | GDD | Mercury | 6 | 1 | 0.050 | 0.050 | 0.050 | NA |
| SB | GDD | Nickel | 6 | 6 | 0.84 | 12 | 3.4 | 4.3 |
| SB | GDD | Potassium | 6 | 1 | 1,240 | 1,240 | 1,240 | NA |
| SB | GDD | Selenium | 6 | 4 | 0.34 | 1.9 | 1.0 | 0.69 |
| SB | GDD | Silver | 6 | 1 | 0.50 | 0.50 | 0.50 | NA |
| SB | GDD | Sodium | 6 | 1 | 179 | 179 | 179 | NA |
| SB | GDD | Thallium | 6 | 1 | 0.68 | 0.68 | 0.68 | NA |
| SB | GDD | Tin | 6 | 0 | NA | NA | NA | NA |
| SB | GDD | Vanadium | 6 | 6 | 1.9 | 29 | 7.6 | 10 |
| SB | GDD | Zinc | 6 | 5 | 10 | 40 | 18 | 13 |
| SB | GDE | Aluminum | 28 | 24 | 1,220 | 29,900 | 8,289 | 7,383 |
| SB | GDE | Antimony | 28 | 7 | 0.52 | 1.6 | 0.93 | 0.38 |
| SB | GDE | Arsenic | 28 | 23 | 0.83 | 26 | 9.2 | 7.7 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDE | Barium | 28 | 24 | 6.1 | 91 | 26 | 19 |
| SB | GDE | Beryllium | 28 | 23 | 0.15 | 1.6 | 0.58 | 0.40 |
| SB | GDE | Cadmium | 28 | 10 | 0.13 | 0.96 | 0.53 | 0.29 |
| SB | GDE | Calcium | 28 | 24 | 323 | 229,000 | 23,554 | 47,831 |
| SB | GDE | Chromium, Total | 28 | 27 | 1.6 | 75 | 19 | 19 |
| SB | GDE | Cobalt | 28 | 24 | 0.41 | 15 | 3.9 | 4.1 |
| SB | GDE | Copper | 28 | 24 | 1.3 | 192 | 27 | 43 |
| SB | GDE | Iron | 28 | 24 | 924 | 35,800 | 10,436 | 9,232 |
| SB | GDE | Lead | 28 | 24 | 1.8 | 322 | 51 | 72 |
| SB | GDE | Magnesium | 28 | 24 | 77 | 9,140 | 1,786 | 2,098 |
| SB | GDE | Manganese | 28 | 24 | 4.9 | 625 | 118 | 150 |
| SB | GDE | Mercury | 28 | 19 | 0.040 | 0.90 | 0.21 | 0.21 |
| SB | GDE | Nickel | 28 | 23 | 0.85 | 20 | 7.5 | 6.0 |
| SB | GDE | Potassium | 28 | 18 | 106 | 3,440 | 1,264 | 808 |
| SB | GDE | Selenium | 28 | 6 | 0.59 | 2.4 | 1.3 | 0.69 |
| SB | GDE | Silver | 28 | 0 | NA | NA | NA | NA |
| SB | GDE | Sodium | 28 | 21 | 21 | 1,430 | 468 | 428 |
| SB | GDE | Thallium | 28 | 0 | NA | NA | NA | NA |
| SB | GDE | Tin | 28 | 11 | 2.8 | 24 | 6.4 | 6.0 |
| SB | GDE | Vanadium | 28 | 25 | 1.6 | 71 | 22 | 20 |
| SB | GDE | Zinc | 28 | 24 | 5.8 | 438 | 92 | 105 |
| SB | GDF | Aluminum | 5 | 5 | 3,300 | 23,500 | 9,354 | 8,071 |
| SB | GDF | Antimony | 5 | 0 | NA | NA | NA | NA |
| SB | GDF | Arsenic | 5 | 5 | 3.3 | 30 | 9.6 | 12 |
| SB | GDF | Barium | 5 | 5 | 14 | 47 | 28 | 15 |
| SB | GDF | Beryllium | 5 | 4 | 0.22 | 1.4 | 0.69 | 0.50 |
| SB | GDF | Cadmium | 5 | 1 | 0.080 | 0.080 | 0.080 | NA |
| SB | GDF | Calcium | 5 | 5 | 1,040 | 11,700 | 4,516 | 4,459 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDF | Chromium, Total | 5 | 5 | 8.7 | 40 | 17 | 13 |
| SB | GDF | Cobalt | 5 | 5 | 0.94 | 9.0 | 3.4 | 3.2 |
| SB | GDF | Copper | 3 | 2 | 2.9 | 55 | 29 | 37 |
| SB | GDF | Iron | 5 | 5 | 7,850 | 34,800 | 13,976 | 11,677 |
| SB | GDF | Lead | 5 | 5 | 4.8 | 123 | 30 | 52 |
| SB | GDF | Magnesium | 5 | 5 | 399 | 4,240 | 1,392 | 1,612 |
| SB | GDF | Manganese | 5 | 5 | 22 | 1,120 | 263 | 480 |
| SB | GDF | Mercury | 5 | 2 | 0.040 | 0.57 | 0.31 | 0.37 |
| SB | GDF | Nickel | 5 | 3 | 3.3 | 13 | 6.8 | 5.5 |
| SB | GDF | Potassium | 5 | 5 | 195 | 1,800 | 697 | 660 |
| SB | GDF | Selenium | 5 | 3 | 0.40 | 1.7 | 1.0 | 0.65 |
| SB | GDF | Silver | 5 | 0 | NA | NA | NA | NA |
| SB | GDF | Sodium | 5 | 2 | 289 | 612 | 451 | 228 |
| SB | GDF | Thallium | 5 | 4 | 0.40 | 1.2 | 0.80 | 0.34 |
| SB | GDF | Tin | 5 | 0 | NA | NA | NA | NA |
| SB | GDF | Vanadium | 5 | 5 | 12 | 72 | 27 | 25 |
| SB | GDF | Zinc | 5 | 4 | 9.3 | 195 | 59 | 91 |
| SB | GDG | Aluminum | 7 | 7 | 2,630 | 36,800 | 11,783 | 11,411 |
| SB | GDG | Antimony | 7 | 0 | NA | NA | NA | NA |
| SB | GDG | Arsenic | 7 | 7 | 1.4 | 36 | 13 | 12 |
| SB | GDG | Barium | 7 | 7 | 7.7 | 63 | 32 | 20 |
| SB | GDG | Beryllium | 7 | 6 | 0.45 | 2.4 | 0.93 | 0.73 |
| SB | GDG | Cadmium | 7 | 6 | 0.080 | 0.52 | 0.27 | 0.15 |
| SB | GDG | Calcium | 7 | 7 | 6,390 | 127,000 | 41,363 | 46,311 |
| SB | GDG | Chromium, Total | 7 | 7 | 7.4 | 65 | 28 | 19 |
| SB | GDG | Cobalt | 7 | 7 | 0.90 | 15 | 4.1 | 4.9 |
| SB | GDG | Copper | 7 | 5 | 4.5 | 46 | 20 | 16 |
| SB | GDG | Iron | 7 | 7 | 3,110 | 58,100 | 17,913 | 18,571 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDG | Lead | 7 | 7 | 2.4 | 76 | 33 | 23 |
| SB | GDG | Magnesium | 7 | 7 | 1,040 | 7,040 | 3,187 | 1,908 |
| SB | GDG | Manganese | 7 | 7 | 20 | 409 | 146 | 141 |
| SB | GDG | Mercury | 7 | 6 | 0.050 | 0.37 | 0.18 | 0.12 |
| SB | GDG | Nickel | 7 | 7 | 1.9 | 22 | 9.2 | 6.9 |
| SB | GDG | Potassium | 7 | 6 | 670 | 3,790 | 1,671 | 1,112 |
| SB | GDG | Selenium | 7 | 5 | 0.54 | 1.0 | 0.76 | 0.21 |
| SB | GDG | Silver | 7 | 0 | NA | NA | NA | NA |
| SB | GDG | Sodium | 7 | 5 | 1,070 | 3,890 | 2,410 | 1,144 |
| SB | GDG | Thallium | 7 | 1 | 1.0 | 1.0 | 1.0 | NA |
| SB | GDG | Tin | 7 | 3 | 1.1 | 2.9 | 1.9 | 0.93 |
| SB | GDG | Vanadium | 7 | 7 | 5.9 | 112 | 36 | 35 |
| SB | GDG | Zinc | 7 | 6 | 20 | 198 | 84 | 61 |
| SB | GDH | Aluminum | 58 | 58 | 798 | 45,300 | 11,915 | 10,301 |
| SB | GDH | Antimony | 58 | 4 | 1.5 | 19 | 9.7 | 9.3 |
| SB | GDH | Arsenic | 58 | 54 | 0.78 | 136 | 11 | 18 |
| SB | GDH | Barium | 58 | 42 | 2.4 | 60 | 20 | 12 |
| SB | GDH | Beryllium | 58 | 55 | 0.060 | 1.6 | 0.64 | 0.41 |
| SB | GDH | Cadmium | 58 | 6 | 0.14 | 1.2 | 0.58 | 0.40 |
| SB | GDH | Calcium | 58 | 58 | 346 | 320,000 | 58,904 | 79,424 |
| SB | GDH | Chromium, Total | 58 | 58 | 2.9 | 95 | 32 | 21 |
| SB | GDH | Cobalt | 58 | 44 | 0.27 | 12 | 3.8 | 2.7 |
| SB | GDH | Copper | 58 | 46 | 0.53 | 35 | 13 | 8.8 |
| SB | GDH | Iron | 58 | 58 | 1,210 | 54,300 | 14,463 | 13,586 |
| SB | GDH | Lead | 58 | 45 | 2.1 | 39 | 17 | 13 |
| SB | GDH | Magnesium | 58 | 58 | 80 | 12,700 | 3,237 | 2,557 |
| SB | GDH | Manganese | 58 | 58 | 5.6 | 966 | 204 | 240 |
| SB | GDH | Mercury | 58 | 33 | 0.020 | 1.3 | 0.28 | 0.35 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Range of Concentrations Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDH | Nickel | 58 | 49 | 0.74 | 78 | 13 | 12 |
| SB | GDH | Potassium | 58 | 49 | 60 | 2,800 | 1,186 | 729 |
| SB | GDH | Selenium | 58 | 22 | 0.36 | 3.9 | 1.3 | 0.83 |
| SB | GDH | Silver | 58 | 1 | 1.7 | 1.7 | 1.7 | NA |
| SB | GDH | Sodium | 58 | 56 | 11 | 2,110 | 590 | 496 |
| SB | GDH | Thallium | 58 | 9 | 0.36 | 1.9 | 0.87 | 0.53 |
| SB | GDH | Vanadium | 58 | 58 | 2.7 | 103 | 31 | 24 |
| SB | GDH | Zinc | 58 | 51 | 1.8 | 233 | 52 | 43 |
| SB | GDI | Aluminum | 4 | 4 | 4,590 | 11,700 | 7,428 | 3,022 |
| SB | GDI | Antimony | 4 | 0 | NA | NA | NA | NA |
| SB | GDI | Arsenic | 4 | 4 | 0.88 | 4.4 | 3.2 | 1.6 |
| SB | GDI | Barium | 4 | 4 | 9.5 | 19 | 13 | 4.5 |
| SB | GDI | Beryllium | 4 | 3 | 0.33 | 0.51 | 0.41 | 0.091 |
| SB | GDI | Cadmium | 4 | 1 | 0.48 | 0.48 | 0.48 | NA |
| SB | GDI | Calcium | 4 | 4 | 528 | 63,900 | 31,505 | 33,479 |
| SB | GDI | Chromium, Total | 4 | 4 | 7.6 | 41 | 24 | 15 |
| SB | GDI | Cobalt | 4 | 2 | 2.1 | 2.2 | 2.2 | 0.071 |
| SB | GDI | Copper | 4 | 4 | 1.2 | 12 | 6.1 | 5.4 |
| SB | GDI | Iron | 4 | 4 | 3,730 | 7,250 | 5,640 | 1,708 |
| SB | GDI | Lead | 4 | 4 | 3.1 | 7.2 | 4.8 | 1.7 |
| SB | GDI | Magnesium | 4 | 4 | 196 | 3,990 | 2,164 | 1,837 |
| SB | GDI | Manganese | 4 | 4 | 8.6 | 55 | 40 | 22 |
| SB | GDI | Mercury | 4 | 0 | NA | NA | NA | NA |
| SB | GDI | Nickel | 4 | 3 | 3.5 | 16 | 10 | 6.4 |
| SB | GDI | Potassium | 4 | 3 | 930 | 2,230 | 1,490 | 668 |
| SB | GDI | Selenium | 4 | 4 | 0.59 | 1.4 | 1.0 | 0.35 |
| SB | GDI | Silver | 4 | 0 | NA | NA | NA | NA |
| SB | GDI | Sodium | 4 | 3 | 226 | 1,770 | 1,042 | 776 |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDI | Thallium | 4 | 0 | NA | NA | NA | NA |
| SB | GDI | Tin | 4 | 0 | NA | NA | NA | NA |
| SB | GDI | Vanadium | 4 | 4 | 11 | 24 | 17 | 5.6 |
| SB | GDI | Zinc | 4 | 4 | 4.7 | 29 | 17 | 11 |
| SB | GDK-A | Aluminum | 9 | 9 | 3,090 | 12,000 | 5,167 | 2,837 |
| SB | GDK-A | Antimony | 9 | 0 | NA | NA | NA | NA |
| SB | GDK-A | Arsenic | 12 | 11 | 0.28 | 5.8 | 1.4 | 1.7 |
| SB | GDK-A | Barium | 9 | 9 | 1.8 | 7.2 | 3.3 | 1.9 |
| SB | GDK-A | Beryllium | 9 | 6 | 0.030 | 0.20 | 0.083 | 0.064 |
| SB | GDK-A | Cadmium | 9 | 0 | NA | NA | NA | NA |
| SB | GDK-A | Calcium | 9 | 2 | 50 | 57 | 53 | 4.7 |
| SB | GDK-A | Chromium, Total | 9 | 9 | 2.4 | 8.5 | 4.2 | 1.9 |
| SB | GDK-A | Cobalt | 9 | 4 | 0.40 | 1.0 | 0.58 | 0.28 |
| SB | GDK-A | Copper | 12 | 3 | 0.23 | 0.51 | 0.33 | 0.16 |
| SB | GDK-A | Iron | 9 | 9 | 560 | 10,900 | 2,550 | 3,401 |
| SB | GDK-A | Lead | 9 | 9 | 2.1 | 4.4 | 3.1 | 0.77 |
| SB | GDK-A | Magnesium | 9 | 9 | 28 | 225 | 81 | 70 |
| SB | GDK-A | Manganese | 9 | 9 | 1.4 | 6.8 | 2.8 | 1.8 |
| SB | GDK-A | Mercury | 9 | 0 | NA | NA | NA | NA |
| SB | GDK-A | Nickel | 9 | 8 | 0.23 | 4.7 | 1.3 | 1.5 |
| SB | GDK-A | Potassium | 9 | 2 | 64 | 91 | 77 | 19 |
| SB | GDK-A | Selenium | 9 | 1 | 0.51 | 0.51 | 0.51 | NA |
| SB | GDK-A | Silver | 9 | 2 | 0.41 | 0.57 | 0.49 | 0.11 |
| SB | GDK-A | Sodium | 9 | 2 | 9.9 | 10 | 10 | 0.35 |
| SB | GDK-A | Thallium | 9 | 0 | NA | NA | NA | NA |
| SB | GDK-A | Tin | 9 | 0 | NA | NA | NA | NA |
| SB | GDK-A | Vanadium | 9 | 9 | 2.7 | 16 | 5.9 | 4.2 |
| SB | GDK-A | Zinc | 9 | 0 | NA | NA | NA | NA |

**APPENDIX C1**
Background Soil (Surface and Subsurface) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| Soil | Zone | Chemical | Samples | Detects | Range of Concentrations Min Detect (mg/kg) | Max Detect (mg/kg) | Mean Detect (mg/kg) | Std Dev |
|---|---|---|---|---|---|---|---|---|
| SB | GDK-C | Aluminum | 1 | 1 | 14,200 | 14,200 | 14,200 | NA |
| SB | GDK-C | Antimony | 1 | 0 | NA | NA | NA | NA |
| SB | GDK-C | Arsenic | 1 | 1 | 14 | 14 | 14 | NA |
| SB | GDK-C | Barium | 1 | 1 | 24 | 24 | 24 | NA |
| SB | GDK-C | Beryllium | 1 | 1 | 0.62 | 0.62 | 0.62 | NA |
| SB | GDK-C | Cadmium | 1 | 0 | NA | NA | NA | NA |
| SB | GDK-C | Calcium | 1 | 1 | 18,200 | 18,200 | 18,200 | NA |
| SB | GDK-C | Chromium, Hexavalent | 1 | 0 | NA | NA | NA | NA |
| SB | GDK-C | Chromium, Total | 1 | 1 | 26 | 26 | 26 | NA |
| SB | GDK-C | Cobalt | 1 | 1 | 3.1 | 3.1 | 3.1 | NA |
| SB | GDK-C | Copper | 1 | 1 | 22 | 22 | 22 | NA |
| SB | GDK-C | Iron | 1 | 1 | 17,200 | 17,200 | 17,200 | NA |
| SB | GDK-C | Lead | 1 | 1 | 18 | 18 | 18 | NA |
| SB | GDK-C | Magnesium | 1 | 1 | 2,960 | 2,960 | 2,960 | NA |
| SB | GDK-C | Manganese | 1 | 1 | 355 | 355 | 355 | NA |
| SB | GDK-C | Mercury | 1 | 1 | 0.20 | 0.20 | 0.20 | NA |
| SB | GDK-C | Nickel | 1 | 1 | 7.2 | 7.2 | 7.2 | NA |
| SB | GDK-C | Potassium | 1 | 1 | 1,430 | 1,430 | 1,430 | NA |
| SB | GDK-C | Selenium | 1 | 0 | NA | NA | NA | NA |
| SB | GDK-C | Silver | 1 | 0 | NA | NA | NA | NA |
| SB | GDK-C | Sodium | 1 | 1 | 2,430 | 2,430 | 2,430 | NA |
| SB | GDK-C | Thallium | 1 | 0 | NA | NA | NA | NA |
| SB | GDK-C | Tin | 1 | 0 | NA | NA | NA | NA |
| SB | GDK-C | Vanadium | 1 | 1 | 29 | 29 | 29 | NA |
| SB | GDK-C | Zinc | 1 | 1 | 58 | 58 | 58 | NA |

All units are milligrams per kilogram (mg/kg) (parts per million [ppm]).
NA Not applicable/not available.
SS Surface Soil
SB Subsurface Soil

# Appendix C2

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| A | Shallow | 7429905 | Aluminum | 3 | 12 | 9 | 4.91E+02 | 6.56E+01 | 5.22E+03 | 1.62E+03 | 2.00E+02 | 3 | 3 | 2 |
| A | Shallow | 7440360 | Antimony | 3 | 10 | 1 | 5.10E+01 | 4.00E+00 | 4.00E+00 | 4.00E+00 | 6.00E+00 | | | 1 |
| A | Shallow | 7440382 | Arsenic | 3 | 12 | 5 | 2.00E+01 | 2.60E+00 | 6.83E+01 | 1.75E+01 | 5.00E+01 | 1 | | |
| A | Shallow | 7440393 | Barium | 3 | 12 | 9 | 7.60E+01 | 2.08E+01 | 1.02E+02 | 5.23E+01 | 2.00E+03 | | | |
| A | Shallow | 7440417 | Beryllium | 3 | 12 | 0 | 1.00E+00 | NA | NA | NA | 4.00E+00 | | | |
| A | Shallow | 7440439 | Cadmium | 3 | 12 | 1 | 5.00E+00 | 1.20E+00 | 1.20E+00 | 1.20E+00 | 5.00E+00 | | | |
| A | Shallow | 7440702 | Calcium | 3 | 12 | 12 | NA | 4.31E+04 | 1.51E+05 | 9.36E+04 | NA | | | |
| A | Shallow | 7440473 | Chromium, Total | 3 | 12 | 4 | 6.00E+00 | 5.00E+00 | 9.60E+00 | 7.03E+00 | 1.00E+02 | | | |
| A | Shallow | 7440484 | Cobalt | 3 | 12 | 1 | 7.00E+00 | 1.03E+01 | 1.03E+01 | 1.03E+01 | 2.19E+03 | | | |
| A | Shallow | 7440508 | Copper | 3 | 10 | 4 | 7.10E+00 | 3.40E+00 | 1.01E+01 | 8.10E+00 | 1.30E+03 | | | |
| A | Shallow | 7439896 | Iron | 3 | 12 | 12 | NA | 7.32E+03 | 7.21E+04 | 1.74E+04 | 3.00E+02 | 3 | 3 | |
| A | Shallow | 7439921 | Lead | 3 | 10 | 3 | 3.00E+00 | 1.80E+00 | 3.20E+00 | 2.73E+00 | 1.50E+01 | | | |
| A | Shallow | 7439954 | Magnesium | 3 | 12 | 12 | NA | 1.56E+04 | 9.19E+04 | 4.00E+04 | NA | | | |
| A | Shallow | 7439965 | Manganese | 3 | 12 | 12 | NA | 7.98E+01 | 5.77E+02 | 2.11E+02 | 5.00E+01 | 3 | 3 | |
| A | Shallow | 7439976 | Mercury | 3 | 12 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| A | Shallow | 7440020 | Nickel | 3 | 12 | 1 | 1.40E+01 | 9.40E+00 | 9.40E+00 | 9.40E+00 | 1.00E+02 | | | |
| A | Shallow | 7440097 | Potassium | 3 | 12 | 12 | NA | 4.13E+03 | 3.68E+04 | 1.90E+04 | NA | | | |
| A | Shallow | 7782492 | Selenium | 3 | 10 | 0 | 3.00E+00 | NA | NA | NA | 5.00E+01 | | | |
| A | Shallow | 7440224 | Silver | 3 | 12 | 1 | 7.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | | | |
| A | Shallow | 7440280 | Thallium | 3 | 8 | 0 | 4.00E+00 | NA | NA | NA | 2.00E+00 | | | |
| A | Shallow | 7440315 | Tin (Sn) | 3 | 9 | 0 | 5.48E+01 | NA | NA | NA | NA | | | |
| A | Shallow | 7440622 | Vanadium | 3 | 12 | 5 | 7.00E+00 | 1.30E+00 | 1.36E+01 | 6.96E+00 | 2.56E+02 | | | |
| A | Shallow | 7440666 | Zinc | 3 | 10 | 3 | 1.67E+01 | 7.50E+00 | 8.90E+01 | 4.16E+01 | 5.00E+03 | | | |
| A | Deep | 7429905 | Aluminum | 3 | 12 | 6 | 5.49E+01 | 4.93E+01 | 1.58E+03 | 5.52E+02 | 2.00E+02 | 3 | 3 | |
| A | Deep | 7440360 | Antimony | 3 | 10 | 1 | 2.55E+02 | 7.10E+00 | 7.10E+00 | 7.10E+00 | 6.00E+00 | 1 | 1 | 1 |
| A | Deep | 7440382 | Arsenic | 3 | 11 | 3 | 2.11E+01 | 4.00E+00 | 1.11E+01 | 7.70E+00 | 5.00E+01 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| A | Deep | 7440393 | Barium | 3 | 12 | 9 | 1.67E+02 | 3.59E+01 | 1.82E+02 | 9.34E+01 | 2.00E+03 | | | |
| A | Deep | 7440417 | Beryllium | 3 | 12 | 1 | 5.60E+00 | 3.30E+00 | 3.30E+00 | 3.30E+00 | 4.00E+00 | | | |
| A | Deep | 7440439 | Cadmium | 3 | 12 | 0 | 1.11E+01 | NA | NA | NA | 5.00E+00 | | | |
| A | Deep | 7440702 | Calcium | 3 | 12 | 12 | NA | 4.51E+04 | 5.24E+05 | 2.29E+05 | NA | | | |
| A | Deep | 7440473 | Chromium, Total | 3 | 12 | 3 | 6.00E+00 | 1.60E+00 | 1.36E+02 | 6.43E+01 | 1.00E+02 | 1 | 1 | |
| A | Deep | 7440484 | Cobalt | 3 | 12 | 4 | 3.33E+01 | 1.03E+01 | 2.87E+01 | 1.93E+01 | 2.19E+03 | | | |
| A | Deep | 7440508 | Copper | 3 | 11 | 6 | 7.00E+00 | 5.70E+00 | 4.45E+02 | 8.24E+01 | 1.30E+03 | | | |
| A | Deep | 7439896 | Iron | 3 | 12 | 9 | 5.83E+02 | 1.87E+02 | 2.27E+04 | 1.29E+04 | 3.00E+02 | 2 | 2 | 1 |
| A | Deep | 7439921 | Lead | 3 | 8 | 1 | 1.50E+01 | 1.85E+01 | 1.85E+01 | 1.85E+01 | 1.50E+01 | 1 | 1 | |
| A | Deep | 7439954 | Magnesium | 3 | 12 | 12 | NA | 9.32E+04 | 1.61E+06 | 6.96E+05 | NA | | | |
| A | Deep | 7439965 | Manganese | 3 | 12 | 12 | NA | 1.83E+02 | 2.66E+03 | 1.38E+03 | 5.00E+01 | 3 | 3 | |
| A | Deep | 7439976 | Mercury | 3 | 12 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| A | Deep | 7440020 | Nickel | 3 | 12 | 2 | 1.62E+01 | 2.01E+01 | 7.44E+01 | 4.73E+01 | 1.00E+02 | | | |
| A | Deep | 7440097 | Potassium | 3 | 12 | 12 | NA | 2.35E+04 | 6.06E+05 | 2.08E+05 | NA | | | |
| A | Deep | 7782492 | Selenium | 3 | 10 | 0 | 1.06E+02 | NA | NA | NA | 5.00E+01 | | | |
| A | Deep | 7440224 | Silver | 3 | 12 | 3 | 5.00E+01 | 6.00E+00 | 3.09E+01 | 1.55E+01 | 1.00E+02 | | | |
| A | Deep | 7440280 | Thallium | 3 | 9 | 3 | 3.11E+01 | 1.70E+01 | 1.63E+02 | 6.77E+01 | 2.00E+00 | 1 | 1 | |
| A | Deep | 7440315 | Tin (Sn) | 3 | 9 | 2 | 5.48E+01 | 8.15E+01 | 1.11E+02 | 9.63E+01 | NA | | | |
| A | Deep | 7440622 | Vanadium | 3 | 12 | 1 | 2.22E+01 | 9.90E+00 | 9.90E+00 | 9.90E+00 | 2.56E+02 | | | |
| A | Deep | 7440666 | Zinc | 3 | 11 | 4 | 1.64E+01 | 6.00E+00 | 1.44E+03 | 3.85E+02 | 5.00E+03 | | | |
| B | Shallow | 7429905 | Aluminum | 4 | 16 | 10 | 2.49E+02 | 8.74E+01 | 2.84E+03 | 6.55E+02 | 2.00E+02 | 4 | 2 | 1 |
| B | Shallow | 7440360 | Antimony | 4 | 16 | 0 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | |
| B | Shallow | 7440382 | Arsenic | 4 | 16 | 4 | 2.11E+01 | 7.60E+00 | 1.55E+01 | 1.13E+01 | 5.00E+01 | | | |
| B | Shallow | 7440393 | Barium | 4 | 16 | 13 | 6.66E+01 | 1.76E+01 | 8.97E+01 | 4.18E+01 | 2.00E+03 | | | |
| B | Shallow | 7440417 | Beryllium | 4 | 16 | 1 | 1.00E+00 | 4.80E+00 | 4.80E+00 | 4.80E+00 | 4.00E+00 | 1 | 1 | |
| B | Shallow | 7440439 | Cadmium | 4 | 16 | 0 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| B | Shallow | 7440702 | Calcium | 4 | 16 | 16 | NA | 1.20E+04 | 4.67E+05 | 1.97E+05 | NA | | | |
| B | Shallow | 7440473 | Chromium, Total | 4 | 16 | 3 | 1.10E+01 | 7.70E+00 | 1.28E+02 | 4.89E+01 | 1.00E+02 | 1 | 1 | |
| B | Shallow | 7440484 | Cobalt | 4 | 16 | 1 | 7.00E+00 | 7.46E+01 | 7.46E+01 | 7.46E+01 | 2.19E+03 | | | |
| B | Shallow | 7440508 | Copper | 4 | 16 | 2 | 9.90E+00 | 6.60E+00 | 1.05E+02 | 5.58E+01 | 1.30E+03 | | | |
| B | Shallow | 7439896 | Iron | 4 | 16 | 16 | NA | 2.31E+02 | 1.85E+04 | 4.81E+03 | 3.00E+02 | 4 | 4 | |
| B | Shallow | 7439921 | Lead | 4 | 16 | 1 | 3.00E+01 | 7.30E+00 | 7.30E+00 | 7.30E+00 | 1.50E+01 | | | |
| B | Shallow | 7439954 | Magnesium | 4 | 16 | 16 | NA | 6.74E+03 | 1.01E+06 | 2.65E+05 | NA | | | |
| B | Shallow | 7439965 | Manganese | 4 | 16 | 16 | NA | 2.11E+01 | 3.43E+03 | 1.12E+03 | 5.00E+01 | 4 | 3 | |
| B | Shallow | 7439976 | Mercury | 4 | 16 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| B | Shallow | 7440020 | Nickel | 4 | 16 | 2 | 1.40E+01 | 1.65E+01 | 5.56E+01 | 3.61E+01 | 1.00E+02 | | | |
| B | Shallow | 7440097 | Potassium | 4 | 16 | 15 | 1.42E+03 | 1.27E+03 | 5.17E+05 | 1.09E+05 | NA | | | |
| B | Shallow | 7782492 | Selenium | 4 | 16 | 0 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | |
| B | Shallow | 7440224 | Silver | 4 | 16 | 1 | 7.00E+00 | 1.12E+02 | 1.12E+02 | 1.12E+02 | 1.00E+02 | 1 | 1 | |
| B | Shallow | 7440280 | Thallium | 4 | 16 | 1 | 4.00E+01 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 2.00E+00 | 1 | 1 | 1 |
| B | Shallow | 7440315 | Tin (Sn) | 4 | 12 | 1 | 5.48E+01 | 4.58E+01 | 4.58E+01 | 4.58E+01 | NA | | | |
| B | Shallow | 7440622 | Vanadium | 4 | 16 | 4 | 7.00E+00 | 3.60E+00 | 1.29E+01 | 8.53E+00 | 2.56E+02 | | | |
| B | Shallow | 7440666 | Zinc | 4 | 16 | 3 | 4.78E+01 | 5.90E+00 | 1.69E+01 | 1.03E+01 | 5.00E+03 | | | |
| B | Deep | 7429905 | Aluminum | 2 | 8 | 2 | 1.62E+02 | 5.67E+01 | 1.91E+03 | 9.83E+02 | 2.00E+02 | 1 | 1 | |
| B | Deep | 7440360 | Antimony | 2 | 8 | 0 | 5.10E+01 | NA | NA | NA | 6.00E+00 | | | |
| B | Deep | 7440382 | Arsenic | 2 | 8 | 0 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | |
| B | Deep | 7440393 | Barium | 2 | 8 | 6 | 1.39E+02 | 7.00E+00 | 1.54E+02 | 6.98E+01 | 2.00E+03 | | | |
| B | Deep | 7440417 | Beryllium | 2 | 8 | 1 | 1.00E+00 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 4.00E+00 | 1 | 1 | |
| B | Deep | 7440439 | Cadmium | 2 | 8 | 0 | 5.00E+00 | NA | NA | NA | 5.00E+00 | | | |
| B | Deep | 7440702 | Calcium | 2 | 8 | 8 | NA | 4.86E+04 | 3.81E+05 | 1.90E+05 | NA | | | |
| B | Deep | 7440473 | Chromium, Total | 2 | 8 | 1 | 6.00E+00 | 1.02E+02 | 1.02E+02 | 1.02E+02 | 1.00E+02 | 1 | 1 | |
| B | Deep | 7440484 | Cobalt | 2 | 8 | 1 | 7.00E+00 | 6.89E+01 | 6.89E+01 | 6.89E+01 | 2.19E+03 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| B | Deep | 7440508 | Copper | 2 | 8 | 2 | 7.00E+00 | 6.20E+00 | 8.83E+01 | 4.73E+01 | 1.30E+03 | | | |
| B | Deep | 7439896 | Iron | 2 | 8 | 4 | 1.23E+02 | 3.16E+01 | 1.84E+02 | 9.63E+01 | 3.00E+02 | | | |
| B | Deep | 7439921 | Lead | 2 | 8 | 1 | 1.50E+01 | 3.40E+00 | 3.40E+00 | 3.40E+00 | 1.50E+01 | | | |
| B | Deep | 7439954 | Magnesium | 2 | 8 | 8 | NA | 4.90E+03 | 4.25E+05 | 1.96E+05 | NA | | | |
| B | Deep | 7439965 | Manganese | 2 | 8 | 8 | NA | 3.18E+01 | 8.94E+02 | 3.63E+02 | 5.00E+01 | 2 | 1 | |
| B | Deep | 7439976 | Mercury | 2 | 8 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| B | Deep | 7440020 | Nickel | 2 | 8 | 3 | 1.40E+01 | 1.44E+01 | 4.74E+01 | 2.63E+01 | 1.00E+02 | | | |
| B | Deep | 7440097 | Potassium | 2 | 8 | 8 | NA | 2.27E+03 | 2.03E+05 | 6.94E+04 | NA | | | |
| B | Deep | 7782492 | Selenium | 2 | 8 | 0 | 2.11E+01 | NA | NA | NA | 5.00E+01 | | | |
| B | Deep | 7440224 | Silver | 2 | 8 | 1 | 7.00E+00 | 1.36E+02 | 1.36E+02 | 1.36E+02 | 1.00E+02 | 1 | 1 | |
| B | Deep | 7440280 | Thallium | 2 | 8 | 0 | 4.00E+01 | NA | NA | NA | 2.00E+00 | | | |
| B | Deep | 7440315 | Tin (Sn) | 2 | 6 | 0 | 5.48E+01 | NA | NA | NA | NA | | | |
| B | Deep | 7440622 | Vanadium | 2 | 8 | 1 | 7.00E+00 | 5.40E+00 | 5.40E+00 | 5.40E+00 | 2.56E+02 | | | |
| B | Deep | 7440666 | Zinc | 2 | 8 | 1 | 4.51E+01 | 9.10E+00 | 9.10E+00 | 9.10E+00 | 5.00E+03 | | | |
| C | Shallow | 7429905 | Aluminum | 2 | 8 | 5 | 3.17E+02 | 6.39E+01 | 6.20E+02 | 2.89E+02 | 2.00E+02 | 1 | 1 | 1 |
| C | Shallow | 7440360 | Antimony | 2 | 8 | 0 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | |
| C | Shallow | 7440382 | Arsenic | 2 | 8 | 3 | 1.50E+01 | 3.20E+00 | 5.60E+00 | 4.23E+00 | 5.00E+01 | | | |
| C | Shallow | 7440393 | Barium | 2 | 8 | 5 | 1.31E+01 | 4.60E+00 | 1.64E+01 | 1.07E+01 | 2.00E+03 | | | |
| C | Shallow | 7440417 | Beryllium | 2 | 8 | 1 | 3.00E-01 | 3.60E-01 | 3.60E-01 | 3.60E-01 | 4.00E+00 | | | |
| C | Shallow | 7440439 | Cadmium | 2 | 8 | 0 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | |
| C | Shallow | 7440702 | Calcium | 2 | 8 | 8 | NA | 2.57E+04 | 1.52E+05 | 8.25E+04 | NA | | | |
| C | Shallow | 7440473 | Chromium, Total | 2 | 8 | 1 | 2.20E+00 | 2.10E+00 | 2.10E+00 | 2.10E+00 | 1.00E+02 | | | |
| C | Shallow | 7440484 | Cobalt | 2 | 8 | 1 | 5.20E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 2.19E+03 | | | |
| C | Shallow | 7440508 | Copper | 2 | 8 | 0 | 4.50E+00 | NA | NA | NA | 1.30E+03 | | | |
| C | Shallow | 7439896 | Iron | 2 | 8 | 8 | NA | 2.88E+02 | 4.66E+03 | 1.72E+03 | 3.00E+02 | 2 | 2 | |
| C | Shallow | 7439921 | Lead | 2 | 8 | 2 | 9.10E+00 | 2.70E+00 | 4.40E+00 | 3.55E+00 | 1.50E+01 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| C | Shallow | 7439954 | Magnesium | 2 | 8 | 7 | 7.56E+02 | 6.97E+02 | 9.25E+03 | 5.11E+03 | NA | | | |
| C | Shallow | 7439965 | Manganese | 2 | 8 | 7 | 2.28E+01 | 1.83E+01 | 7.89E+02 | 3.46E+02 | 5.00E+01 | 1 | 1 | |
| C | Shallow | 7439976 | Mercury | 2 | 8 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| C | Shallow | 7440020 | Nickel | 2 | 8 | 2 | 1.16E+01 | 1.60E+00 | 5.00E+00 | 3.30E+00 | 1.00E+02 | | | |
| C | Shallow | 7440097 | Potassium | 2 | 8 | 3 | 6.71E+03 | 5.60E+02 | 6.40E+03 | 4.11E+03 | NA | | | |
| C | Shallow | 7782492 | Selenium | 2 | 8 | 0 | 4.40E+00 | NA | NA | NA | 5.00E+01 | | | |
| C | Shallow | 7440224 | Silver | 2 | 8 | 0 | 1.70E+00 | NA | NA | NA | 1.00E+02 | | | |
| C | Shallow | 7440280 | Thallium | 2 | 8 | 0 | 4.50E+00 | NA | NA | NA | 2.00E+00 | | | |
| C | Shallow | 7440315 | Tin (Sn) | 2 | 8 | 0 | 5.63E+01 | NA | NA | NA | NA | | | |
| C | Shallow | 7440622 | Vanadium | 2 | 8 | 2 | 3.40E+00 | 1.40E+00 | 1.90E+00 | 1.65E+00 | 2.56E+02 | | | |
| C | Shallow | 7440666 | Zinc | 2 | 8 | 4 | 2.00E+01 | 5.60E+00 | 1.46E+01 | 9.85E+00 | 5.00E+03 | | | |
| C | Deep | 7429905 | Aluminum | 2 | 8 | 1 | 5.43E+01 | 1.81E+01 | 1.81E+01 | 1.81E+01 | 2.00E+02 | | | |
| C | Deep | 7440360 | Antimony | 2 | 8 | 0 | 1.30E+01 | NA | NA | NA | 6.00E+00 | | | |
| C | Deep | 7440382 | Arsenic | 2 | 8 | 0 | 3.20E+00 | NA | NA | NA | 5.00E+01 | | | |
| C | Deep | 7440393 | Barium | 2 | 8 | 4 | 5.68E+01 | 1.16E+01 | 7.04E+01 | 3.73E+01 | 2.00E+03 | | | |
| C | Deep | 7440417 | Beryllium | 2 | 8 | 1 | 3.00E-01 | 3.30E-01 | 3.30E-01 | 3.30E-01 | 4.00E+00 | | | |
| C | Deep | 7440439 | Cadmium | 2 | 8 | 0 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | |
| C | Deep | 7440702 | Calcium | 2 | 8 | 8 | NA | 4.48E+04 | 1.79E+05 | 1.05E+05 | NA | | | |
| C | Deep | 7440473 | Chromium, Total | 2 | 8 | 0 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | |
| C | Deep | 7440484 | Cobalt | 2 | 8 | 0 | 5.20E+00 | NA | NA | NA | 2.19E+03 | | | |
| C | Deep | 7440508 | Copper | 2 | 8 | 0 | 3.90E+00 | NA | NA | NA | 1.30E+03 | | | |
| C | Deep | 7439896 | Iron | 2 | 8 | 8 | NA | 2.13E+02 | 7.88E+02 | 4.21E+02 | 3.00E+02 | 1 | 1 | |
| C | Deep | 7439921 | Lead | 2 | 8 | 0 | 3.60E+00 | NA | NA | NA | 1.50E+01 | | | |
| C | Deep | 7439954 | Magnesium | 2 | 8 | 8 | NA | 1.42E+03 | 2.24E+04 | 1.06E+04 | NA | | | |
| C | Deep | 7439965 | Manganese | 2 | 8 | 8 | NA | 3.54E+01 | 1.23E+02 | 7.35E+01 | 5.00E+01 | 2 | 1 | |
| C | Deep | 7439976 | Mercury | 2 | 8 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| C | Deep | 7440020 | Nickel | 2 | 8 | 0 | 7.90E+00 | NA | NA | NA | 1.00E+02 | | | |
| C | Deep | 7440097 | Potassium | 2 | 8 | 4 | 8.21E+03 | 9.18E+02 | 1.12E+04 | 8.25E+03 | NA | | | |
| C | Deep | 7782492 | Selenium | 2 | 8 | 0 | 4.40E+00 | NA | NA | NA | 5.00E+01 | | | |
| C | Deep | 7440224 | Silver | 2 | 8 | 0 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | |
| C | Deep | 7440280 | Thallium | 2 | 8 | 0 | 4.50E+00 | NA | NA | NA | 2.00E+00 | | | |
| C | Deep | 7440315 | Tin (Sn) | 2 | 8 | 0 | 5.63E+01 | NA | NA | NA | NA | | | |
| C | Deep | 7440622 | Vanadium | 2 | 8 | 1 | 3.40E+00 | 4.30E-01 | 4.30E-01 | 4.30E-01 | 2.56E+02 | | | |
| C | Deep | 7440666 | Zinc | 2 | 8 | 0 | 4.02E+01 | NA | NA | NA | 5.00E+03 | | | |
| D | Shallow | 7429905 | Aluminum | 1 | 4 | 4 | NA | 2.62E+02 | 7.07E+02 | 4.85E+02 | 2.00E+02 | 1 | 1 | |
| D | Shallow | 7440360 | Antimony | 1 | 4 | 0 | 5.80E+00 | NA | NA | NA | 6.00E+00 | | | |
| D | Shallow | 7440382 | Arsenic | 1 | 4 | 4 | NA | 2.20E+00 | 4.00E+00 | 3.15E+00 | 5.00E+01 | | | |
| D | Shallow | 7440393 | Barium | 1 | 4 | 4 | NA | 4.40E+00 | 1.09E+01 | 7.20E+00 | 2.00E+03 | | | |
| D | Shallow | 7440417 | Beryllium | 1 | 4 | 2 | 2.00E-01 | 2.00E-01 | 4.00E-01 | 3.00E-01 | 4.00E+00 | | | |
| D | Shallow | 7440439 | Cadmium | 1 | 4 | 0 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | |
| D | Shallow | 7440702 | Calcium | 1 | 4 | 4 | NA | 1.16E+04 | 2.26E+04 | 1.74E+04 | NA | | | |
| D | Shallow | 7440473 | Chromium, Total | 1 | 4 | 3 | 1.00E+00 | 1.30E+00 | 2.20E+00 | 1.80E+00 | 1.00E+02 | | | |
| D | Shallow | 7440484 | Cobalt | 1 | 4 | 0 | 9.00E-01 | NA | NA | NA | 2.19E+03 | | | |
| D | Shallow | 7440508 | Copper | 1 | 4 | 1 | 3.90E+00 | 4.30E+00 | 4.30E+00 | 4.30E+00 | 1.30E+03 | | | |
| D | Shallow | 7439896 | Iron | 1 | 4 | 4 | NA | 2.10E+02 | 2.27E+03 | 8.12E+02 | 3.00E+02 | 1 | 1 | |
| D | Shallow | 7439921 | Lead | 1 | 4 | 1 | 9.70E-01 | 1.90E+00 | 1.90E+00 | 1.90E+00 | 1.50E+01 | | | |
| D | Shallow | 7439954 | Magnesium | 1 | 4 | 4 | NA | 1.39E+03 | 1.68E+03 | 1.50E+03 | NA | | | |
| D | Shallow | 7439965 | Manganese | 1 | 4 | 3 | 1.80E+00 | 1.70E+00 | 1.53E+01 | 7.57E+00 | 5.00E+01 | | | |
| D | Shallow | 7439976 | Mercury | 1 | 4 | 0 | 1.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| D | Shallow | 7440020 | Nickel | 1 | 4 | 2 | 2.20E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.00E+02 | | | |
| D | Shallow | 7440097 | Potassium | 1 | 4 | 4 | NA | 2.22E+03 | 2.96E+03 | 2.50E+03 | NA | | | |
| D | Shallow | 7782492 | Selenium | 1 | 4 | 1 | 3.40E+00 | 4.50E+00 | 4.50E+00 | 4.50E+00 | 5.00E+01 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| D | Shallow | 7440224 | Silver | 1 | 4 | 0 | 3.50E+00 | NA | NA | NA | 1.00E+02 | | | |
| D | Shallow | 7440280 | Thallium | 1 | 4 | 0 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | |
| D | Shallow | 7440315 | Tin (Sn) | 1 | 4 | 0 | 1.50E+01 | NA | NA | NA | NA | | | |
| D | Shallow | 7440622 | Vanadium | 1 | 4 | 4 | NA | 3.60E+00 | 8.40E+00 | 5.93E+00 | 2.56E+02 | | | |
| D | Shallow | 7440666 | Zinc | 1 | 4 | 1 | 2.38E+01 | 1.36E+01 | 1.36E+01 | 1.36E+01 | 5.00E+03 | | | |
| D | Deep | 7429905 | Aluminum | 1 | 4 | 0 | 1.87E+01 | NA | NA | NA | 2.00E+02 | | | |
| D | Deep | 7440360 | Antimony | 1 | 4 | 0 | 2.60E+00 | NA | NA | NA | 6.00E+00 | | | |
| D | Deep | 7440382 | Arsenic | 1 | 4 | 4 | NA | 3.00E+00 | 5.60E+00 | 4.08E+00 | 5.00E+01 | | | |
| D | Deep | 7440393 | Barium | 1 | 4 | 4 | NA | 1.27E+01 | 1.59E+01 | 1.36E+01 | 2.00E+03 | | | |
| D | Deep | 7440417 | Beryllium | 1 | 4 | 0 | 3.00E-01 | NA | NA | NA | 4.00E+00 | | | |
| D | Deep | 7440439 | Cadmium | 1 | 4 | 0 | 5.00E-01 | NA | NA | NA | 5.00E+00 | | | |
| D | Deep | 7440702 | Calcium | 1 | 4 | 4 | NA | 5.13E+04 | 5.49E+04 | 5.28E+04 | NA | | | |
| D | Deep | 7440473 | Chromium, Total | 1 | 4 | 0 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | |
| D | Deep | 7440484 | Cobalt | 1 | 4 | 0 | 1.00E+00 | NA | NA | NA | 2.19E+03 | | | |
| D | Deep | 7440508 | Copper | 1 | 4 | 0 | 1.40E+00 | NA | NA | NA | 1.30E+03 | | | |
| D | Deep | 7439896 | Iron | 1 | 4 | 4 | NA | 3.84E+02 | 5.47E+02 | 4.70E+02 | 3.00E+02 | 1 | 1 | |
| D | Deep | 7439921 | Lead | 1 | 4 | 0 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | |
| D | Deep | 7439954 | Magnesium | 1 | 4 | 4 | NA | 3.29E+03 | 3.46E+03 | 3.40E+03 | NA | | | |
| D | Deep | 7439965 | Manganese | 1 | 4 | 4 | NA | 1.25E+02 | 1.60E+02 | 1.42E+02 | 5.00E+01 | 1 | 1 | |
| D | Deep | 7439976 | Mercury | 1 | 4 | 0 | 1.20E-01 | NA | NA | NA | 2.00E+00 | | | |
| D | Deep | 7440020 | Nickel | 1 | 4 | 0 | 1.30E+00 | NA | NA | NA | 1.00E+02 | | | |
| D | Deep | 7440097 | Potassium | 1 | 4 | 3 | 1.60E+03 | 1.09E+03 | 1.27E+03 | 1.18E+03 | NA | | | |
| D | Deep | 7782492 | Selenium | 1 | 4 | 0 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | |
| D | Deep | 7440224 | Silver | 1 | 4 | 0 | 2.90E+00 | NA | NA | NA | 1.00E+02 | | | |
| D | Deep | 7440280 | Thallium | 1 | 4 | 0 | 5.00E+00 | NA | NA | NA | 2.00E+00 | | | |
| D | Deep | 7440315 | Tin (Sn) | 1 | 4 | 0 | 1.40E+01 | NA | NA | NA | NA | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| D | Deep | 7440622 | Vanadium | 1 | 4 | 0 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | |
| D | Deep | 7440666 | Zinc | 1 | 4 | 0 | 3.03E+01 | NA | NA | NA | 5.00E+03 | | | |
| E | Shallow | 7429905 | Aluminum | 31 | 123 | 97 | 1.62E+02 | 1.91E+01 | 1.61E+04 | 8.91E+02 | 2.00E+02 | 19 | 16 | |
| E | Shallow | 7440360 | Antimony | 31 | 123 | 6 | 3.00E+01 | 2.10E+00 | 4.90E+00 | 3.35E+00 | 6.00E+00 | | | 1 |
| E | Shallow | 7440382 | Arsenic | 31 | 123 | 66 | 1.70E+01 | 2.60E+00 | 3.16E+02 | 3.61E+01 | 5.00E+01 | 4 | 4 | |
| E | Shallow | 7440393 | Barium | 31 | 123 | 97 | 1.49E+02 | 5.90E+00 | 3.98E+02 | 5.38E+01 | 2.00E+03 | | | |
| E | Shallow | 7440417 | Beryllium | 31 | 123 | 21 | 1.30E+00 | 2.60E-01 | 8.50E-01 | 3.83E-01 | 4.00E+00 | | | |
| E | Shallow | 7440439 | Cadmium | 31 | 123 | 1 | 2.20E+00 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 5.00E+00 | | | |
| E | Shallow | 7440702 | Calcium | 31 | 123 | 119 | 1.22E+05 | 1.17E+03 | 2.60E+05 | 8.79E+04 | NA | | | |
| E | Shallow | 7440473 | Chromium, Total | 31 | 123 | 35 | 5.60E+00 | 8.40E-01 | 3.14E+01 | 5.23E+00 | 1.00E+02 | | | |
| E | Shallow | 7440484 | Cobalt | 31 | 123 | 17 | 5.20E+00 | 9.10E-01 | 4.37E+01 | 9.97E+00 | 2.19E+03 | | | |
| E | Shallow | 7440508 | Copper | 31 | 123 | 15 | 1.24E+01 | 8.70E-01 | 8.10E+00 | 2.62E+00 | 1.30E+03 | | | |
| E | Shallow | 7439896 | Iron | 31 | 123 | 119 | 8.46E+02 | 1.44E+02 | 7.66E+04 | 9.02E+03 | 3.00E+02 | 31 | 31 | 1 |
| E | Shallow | 7439921 | Lead | 31 | 123 | 22 | 8.50E+00 | 1.50E+00 | 4.67E+01 | 8.58E+00 | 1.50E+01 | 2 | 2 | |
| E | Shallow | 7439954 | Magnesium | 31 | 123 | 119 | 2.48E+05 | 7.90E+02 | 1.16E+06 | 6.54E+04 | NA | | | |
| E | Shallow | 7439965 | Manganese | 31 | 123 | 114 | 1.13E+03 | 2.00E+00 | 2.65E+03 | 4.42E+02 | 5.00E+01 | 26 | 22 | 4 |
| E | Shallow | 7439976 | Mercury | 31 | 123 | 7 | 8.60E-01 | 1.40E-01 | 6.10E-01 | 3.04E-01 | 2.00E+00 | | | |
| E | Shallow | 7440020 | Nickel | 31 | 123 | 45 | 1.66E+01 | 8.90E-01 | 1.74E+01 | 3.51E+00 | 1.00E+02 | | | |
| E | Shallow | 7440097 | Potassium | 31 | 123 | 109 | 1.18E+05 | 1.32E+03 | 2.89E+05 | 3.12E+04 | NA | | | |
| E | Shallow | 7782492 | Selenium | 31 | 123 | 5 | 6.30E+00 | 3.40E+00 | 5.20E+00 | 4.54E+00 | 5.00E+01 | | | |
| E | Shallow | 7440224 | Silver | 31 | 123 | 2 | 1.09E+01 | 1.60E+00 | 4.20E+00 | 2.90E+00 | 1.00E+02 | | | |
| E | Shallow | 7440280 | Thallium | 31 | 123 | 13 | 9.10E+00 | 3.20E+00 | 5.80E+00 | 4.42E+00 | 2.00E+00 | 10 | 10 | 10 |
| E | Shallow | 7440315 | Tin (Sn) | 31 | 123 | 7 | 3.28E+01 | 3.00E+00 | 9.70E+00 | 4.19E+00 | NA | | | |
| E | Shallow | 7440622 | Vanadium | 31 | 123 | 82 | 5.70E+00 | 6.30E-01 | 2.60E+01 | 4.25E+00 | 2.56E+02 | | | |
| E | Shallow | 7440666 | Zinc | 31 | 123 | 22 | 7.03E+01 | 4.60E+00 | 1.41E+02 | 2.40E+01 | 5.00E+03 | | | |
| E | Deep | 7429905 | Aluminum | 33 | 125 | 23 | 5.50E+01 | 1.85E+01 | 4.61E+02 | 8.99E+01 | 2.00E+02 | 3 | 2 | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| E | Deep | 7440360 | Antimony | 33 | 127 | 3 | 2.14E+01 | 2.80E+00 | 6.80E+00 | 4.70E+00 | 6.00E+00 | 1 | 1 | |
| E | Deep | 7440382 | Arsenic | 33 | 127 | 65 | 1.38E+01 | 2.60E+00 | 1.32E+02 | 2.09E+01 | 5.00E+01 | 3 | 3 | |
| E | Deep | 7440393 | Barium | 33 | 125 | 104 | 2.70E+02 | 1.18E+01 | 3.22E+02 | 8.48E+01 | 2.00E+03 | | | |
| E | Deep | 7440417 | Beryllium | 33 | 127 | 30 | 1.90E+00 | 2.30E-01 | 1.30E+00 | 6.13E-01 | 4.00E+00 | | | |
| E | Deep | 7440439 | Cadmium | 33 | 125 | 2 | 2.20E+00 | 6.10E-01 | 6.10E-01 | 6.10E-01 | 5.00E+00 | | | |
| E | Deep | 7440702 | Calcium | 33 | 125 | 124 | 3.57E+05 | 4.44E+04 | 3.91E+05 | 1.64E+05 | NA | | | |
| E | Deep | 7440473 | Chromium, Total | 33 | 127 | 27 | 6.50E+00 | 8.10E-01 | 2.71E+01 | 3.76E+00 | 1.00E+02 | | | |
| E | Deep | 7440484 | Cobalt | 33 | 125 | 26 | 5.20E+00 | 1.10E+00 | 1.42E+01 | 6.03E+00 | 2.19E+03 | | | |
| E | Deep | 7440508 | Copper | 33 | 125 | 10 | 2.51E+01 | 6.00E-01 | 5.70E+00 | 2.36E+00 | 1.30E+03 | | | |
| E | Deep | 7439896 | Iron | 33 | 125 | 105 | 3.15E+02 | 1.92E+01 | 2.60E+04 | 3.53E+03 | 3.00E+02 | 26 | 22 | 1 |
| E | Deep | 7439921 | Lead | 33 | 127 | 2 | 3.50E+00 | 2.10E+00 | 3.00E+00 | 2.55E+00 | 1.50E+01 | | | |
| E | Deep | 7439954 | Magnesium | 33 | 125 | 124 | 2.46E+05 | 3.19E+03 | 1.37E+06 | 3.08E+05 | NA | | | |
| E | Deep | 7439965 | Manganese | 33 | 125 | 123 | 8.65E+02 | 1.30E+00 | 1.66E+03 | 2.88E+02 | 5.00E+01 | 32 | 31 | 1 |
| E | Deep | 7439976 | Mercury | 33 | 127 | 12 | 2.90E-01 | 1.10E-01 | 2.00E-01 | 1.43E-01 | 2.00E+00 | | | |
| E | Deep | 7440020 | Nickel | 33 | 125 | 55 | 6.30E+00 | 8.30E-01 | 4.59E+01 | 9.06E+00 | 1.00E+02 | | | |
| E | Deep | 7440097 | Potassium | 33 | 125 | 120 | 8.00E+04 | 1.72E+03 | 3.51E+05 | 8.86E+04 | NA | | | |
| E | Deep | 7782492 | Selenium | 33 | 125 | 2 | 5.00E+00 | 3.20E+00 | 3.60E+00 | 3.40E+00 | 5.00E+01 | | | |
| E | Deep | 7440224 | Silver | 33 | 125 | 3 | 5.70E+00 | 2.00E+00 | 2.70E+00 | 2.47E+00 | 1.00E+02 | | | |
| E | Deep | 7440280 | Thallium | 33 | 127 | 17 | 8.40E+00 | 2.70E+00 | 7.40E+00 | 4.54E+00 | 2.00E+00 | 14 | 14 | 14 |
| E | Deep | 7440315 | Tin (Sn) | 33 | 125 | 4 | 2.72E+01 | 2.70E+00 | 3.30E+00 | 2.93E+00 | NA | | | |
| E | Deep | 7440622 | Vanadium | 33 | 125 | 42 | 3.50E+00 | 5.20E-01 | 7.70E+00 | 2.90E+00 | 2.56E+02 | | | |
| E | Deep | 7440666 | Zinc | 33 | 125 | 12 | 7.44E+01 | 4.40E+00 | 2.14E+01 | 9.84E+00 | 5.00E+03 | | | |
| F | Shallow | 7429905 | Aluminum | 1 | 4 | 4 | NA | 1.85E+02 | 4.70E+02 | 2.96E+02 | 2.00E+02 | 1 | 1 | |
| F | Shallow | 7440360 | Antimony | 1 | 4 | 0 | 3.50E+00 | NA | NA | NA | 6.00E+00 | | | |
| F | Shallow | 7440382 | Arsenic | 1 | 4 | 4 | NA | 3.30E+00 | 8.50E+00 | 5.58E+00 | 5.00E+01 | | | |
| F | Shallow | 7440393 | Barium | 1 | 4 | 4 | NA | 2.88E+01 | 3.75E+01 | 3.24E+01 | 2.00E+03 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| F | Shallow | 7440417 | Beryllium | 1 | 4 | 1 | 3.60E-01 | 3.70E-01 | 3.70E-01 | 3.70E-01 | 4.00E+00 | | | |
| F | Shallow | 7440439 | Cadmium | 1 | 4 | 2 | 5.00E-01 | 6.40E-01 | 4.40E+00 | 2.52E+00 | 5.00E+00 | | | |
| F | Shallow | 7440702 | Calcium | 1 | 4 | 4 | NA | 2.97E+04 | 9.70E+04 | 4.83E+04 | NA | | | |
| F | Shallow | 7440473 | Chromium, Total | 1 | 4 | 0 | 1.00E+00 | NA | NA | NA | 1.00E+02 | | | |
| F | Shallow | 7440484 | Cobalt | 1 | 4 | 4 | NA | 7.50E+00 | 1.04E+01 | 8.98E+00 | 2.19E+03 | | | |
| F | Shallow | 7440508 | Copper | 1 | 4 | 0 | 7.00E+00 | NA | NA | NA | 1.30E+03 | | | |
| F | Shallow | 7439896 | Iron | 1 | 4 | 4 | NA | 5.16E+04 | 6.23E+04 | 5.51E+04 | 3.00E+02 | 1 | 1 | |
| F | Shallow | 7439921 | Lead | 1 | 4 | 0 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | |
| F | Shallow | 7439954 | Magnesium | 1 | 4 | 4 | NA | 3.46E+04 | 4.66E+04 | 3.84E+04 | NA | | | |
| F | Shallow | 7439965 | Manganese | 1 | 4 | 4 | NA | 9.84E+02 | 1.56E+03 | 1.14E+03 | 5.00E+01 | 1 | 1 | |
| F | Shallow | 7439976 | Mercury | 1 | 4 | 1 | 1.00E-01 | 1.70E-01 | 1.70E-01 | 1.70E-01 | 2.00E+00 | | | |
| F | Shallow | 7440020 | Nickel | 1 | 4 | 2 | 4.60E+00 | 1.90E+00 | 3.30E+00 | 2.60E+00 | 1.00E+02 | | | |
| F | Shallow | 7440097 | Potassium | 1 | 4 | 4 | NA | 8.82E+03 | 1.22E+04 | 1.00E+04 | NA | | | |
| F | Shallow | 7782492 | Selenium | 1 | 4 | 0 | 5.40E+00 | NA | NA | NA | 5.00E+01 | | | |
| F | Shallow | 7440224 | Silver | 1 | 4 | 0 | 1.20E+00 | NA | NA | NA | 1.00E+02 | | | |
| F | Shallow | 7440280 | Thallium | 1 | 4 | 1 | 5.00E+00 | 4.80E+00 | 4.80E+00 | 4.80E+00 | 2.00E+00 | 1 | 1 | 1 |
| F | Shallow | 7440315 | Tin (Sn) | 1 | 4 | 0 | 1.40E+01 | NA | NA | NA | NA | | | |
| F | Shallow | 7440622 | Vanadium | 1 | 4 | 0 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | |
| F | Shallow | 7440666 | Zinc | 1 | 4 | 0 | 3.24E+01 | NA | NA | NA | 5.00E+03 | | | |
| F | Deep | 7429905 | Aluminum | 1 | 4 | 0 | 2.47E+01 | NA | NA | NA | 2.00E+02 | | | |
| F | Deep | 7440360 | Antimony | 1 | 4 | 0 | 2.10E+00 | NA | NA | NA | 6.00E+00 | | | |
| F | Deep | 7440382 | Arsenic | 1 | 4 | 4 | NA | 6.60E+00 | 9.90E+00 | 8.78E+00 | 5.00E+01 | | | |
| F | Deep | 7440393 | Barium | 1 | 4 | 4 | NA | 1.29E+02 | 1.37E+02 | 1.32E+02 | 2.00E+03 | | | |
| F | Deep | 7440417 | Beryllium | 1 | 4 | 1 | 3.00E-01 | 2.30E-01 | 2.30E-01 | 2.30E-01 | 4.00E+00 | | | |
| F | Deep | 7440439 | Cadmium | 1 | 4 | 2 | 5.00E-01 | 4.60E-01 | 5.40E-01 | 5.00E-01 | 5.00E+00 | | | |
| F | Deep | 7440702 | Calcium | 1 | 4 | 4 | NA | 1.82E+05 | 1.91E+05 | 1.87E+05 | NA | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| F | Deep | 7440473 | Chromium, Total | 1 | 4 | 1 | 1.70E+00 | 9.60E-01 | 9.60E-01 | 9.60E-01 | 1.00E+02 | | | |
| F | Deep | 7440484 | Cobalt | 1 | 4 | 4 | NA | 4.89E+01 | 6.06E+01 | 5.48E+01 | 2.19E+03 | | | |
| F | Deep | 7440508 | Copper | 1 | 4 | 0 | 2.30E+00 | NA | NA | NA | 1.30E+03 | | | |
| F | Deep | 7439896 | Iron | 1 | 4 | 4 | NA | 3.11E+02 | 1.15E+03 | 8.05E+02 | 3.00E+02 | 1 | 1 | |
| F | Deep | 7439921 | Lead | 1 | 4 | 0 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | |
| F | Deep | 7439954 | Magnesium | 1 | 4 | 4 | NA | 2.20E+04 | 2.42E+04 | 2.32E+04 | NA | | | |
| F | Deep | 7439965 | Manganese | 1 | 4 | 4 | NA | 4.26E+03 | 4.82E+03 | 4.53E+03 | 5.00E+01 | 1 | 1 | |
| F | Deep | 7439976 | Mercury | 1 | 4 | 1 | 1.00E-01 | 3.20E-01 | 3.20E-01 | 3.20E-01 | 2.00E+00 | | | |
| F | Deep | 7440020 | Nickel | 1 | 4 | 4 | NA | 2.17E+01 | 2.51E+01 | 2.28E+01 | 1.00E+02 | | | |
| F | Deep | 7440097 | Potassium | 1 | 4 | 4 | NA | 5.93E+03 | 6.66E+03 | 6.27E+03 | NA | | | |
| F | Deep | 7782492 | Selenium | 1 | 4 | 0 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | |
| F | Deep | 7440224 | Silver | 1 | 4 | 0 | 2.20E+00 | NA | NA | NA | 1.00E+02 | | | |
| F | Deep | 7440280 | Thallium | 1 | 4 | 2 | 5.00E+00 | 5.90E+00 | 6.60E+00 | 6.25E+00 | 2.00E+00 | 1 | 1 | 1 |
| F | Deep | 7440315 | Tin (Sn) | 1 | 4 | 0 | 1.40E+01 | NA | NA | NA | NA | | | |
| F | Deep | 7440622 | Vanadium | 1 | 4 | 0 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | |
| F | Deep | 7440666 | Zinc | 1 | 4 | 0 | 1.26E+01 | NA | NA | NA | 5.00E+03 | | | |
| G | Shallow | 7429905 | Aluminum | 2 | 9 | 7 | 8.10E+00 | 1.36E+02 | 1.77E+03 | 6.63E+02 | 2.00E+02 | 1 | 1 | |
| G | Shallow | 7440360 | Antimony | 2 | 9 | 4 | 4.30E+00 | 3.20E+00 | 5.80E+00 | 4.50E+00 | 6.00E+00 | | | |
| G | Shallow | 7440382 | Arsenic | 2 | 9 | 9 | NA | 7.80E+00 | 1.66E+02 | 7.64E+01 | 5.00E+01 | 2 | 1 | |
| G | Shallow | 7440393 | Barium | 2 | 9 | 9 | NA | 1.36E+01 | 9.37E+02 | 4.24E+02 | 2.00E+03 | | | |
| G | Shallow | 7440417 | Beryllium | 2 | 9 | 0 | 1.20E+00 | NA | NA | NA | 4.00E+00 | | | |
| G | Shallow | 7440439 | Cadmium | 2 | 9 | 2 | 5.00E-01 | 4.00E-01 | 1.50E+00 | 9.50E-01 | 5.00E+00 | | | |
| G | Shallow | 7440702 | Calcium | 2 | 9 | 9 | NA | 8.56E+04 | 2.94E+05 | 1.43E+05 | NA | | | |
| G | Shallow | 7440473 | Chromium, Total | 2 | 9 | 6 | 2.30E+00 | 1.60E+00 | 1.41E+01 | 4.77E+00 | 1.00E+02 | | | |
| G | Shallow | 7440484 | Cobalt | 2 | 9 | 4 | 9.00E-01 | 1.20E+00 | 8.30E+00 | 3.23E+00 | 2.19E+03 | | | |
| G | Shallow | 7440508 | Copper | 2 | 9 | 5 | 1.40E+00 | 1.15E+01 | 8.65E+01 | 3.40E+01 | 1.30E+03 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| G | Shallow | 7439896 | Iron | 2 | 9 | 9 | NA | 2.00E+03 | 3.57E+04 | 1.47E+04 | 3.00E+02 | 2 | 2 | |
| G | Shallow | 7439921 | Lead | 2 | 9 | 5 | 1.70E+00 | 5.60E+00 | 5.19E+01 | 1.87E+01 | 1.50E+01 | 1 | 1 | |
| G | Shallow | 7439954 | Magnesium | 2 | 9 | 9 | NA | 7.01E+04 | 5.33E+05 | 1.89E+05 | | | | |
| G | Shallow | 7439965 | Manganese | 2 | 9 | 9 | NA | 1.49E+02 | 7.98E+03 | 1.90E+03 | 5.00E+01 | 2 | 2 | |
| G | Shallow | 7439976 | Mercury | 2 | 9 | 2 | 1.60E-01 | 1.40E-01 | 1.70E-01 | 1.55E-01 | 2.00E+00 | | | |
| G | Shallow | 7440020 | Nickel | 2 | 9 | 8 | 7.00E-01 | 1.20E+00 | 1.96E+01 | 5.96E+00 | 1.00E+02 | | | |
| G | Shallow | 7440097 | Potassium | 2 | 9 | 9 | NA | 1.54E+04 | 1.80E+05 | 7.23E+04 | NA | | | |
| G | Shallow | 7782492 | Selenium | 2 | 9 | 2 | 3.40E+00 | 3.90E+00 | 4.10E+00 | 4.00E+00 | 5.00E+01 | | | |
| G | Shallow | 7440224 | Silver | 2 | 9 | 1 | 1.20E+00 | 1.70E+00 | 1.70E+00 | 1.70E+00 | 1.00E+02 | | | |
| G | Shallow | 7440280 | Thallium | 2 | 9 | 0 | 8.10E+00 | NA | NA | NA | 2.00E+00 | | | |
| G | Shallow | 7440315 | Tin (Sn) | 2 | 9 | 1 | 1.40E+01 | 3.40E+00 | 3.40E+00 | 3.40E+00 | NA | | | |
| G | Shallow | 7440622 | Vanadium | 2 | 9 | 8 | 1.10E+00 | 2.70E+00 | 3.04E+01 | 1.15E+01 | 2.56E+02 | | | |
| G | Shallow | 7440666 | Zinc | 2 | 9 | 6 | 8.70E+00 | 1.78E+01 | 1.24E+02 | 5.66E+01 | 5.00E+03 | | | |
| G | Deep | 7429905 | Aluminum | 2 | 8 | 3 | 2.30E+01 | 2.00E+01 | 1.47E+02 | 8.72E+01 | 2.00E+02 | | | |
| G | Deep | 7440360 | Antimony | 2 | 8 | 1 | 2.20E+00 | 4.90E+00 | 4.90E+00 | 4.90E+00 | 6.00E+00 | | | |
| G | Deep | 7440382 | Arsenic | 2 | 8 | 5 | 2.10E+00 | 2.50E+00 | 5.79E+01 | 3.42E+01 | 5.00E+01 | 1 | 1 | |
| G | Deep | 7440393 | Barium | 2 | 8 | 7 | 1.20E+00 | 6.45E+01 | 2.23E+02 | 1.40E+02 | 2.00E+03 | | | |
| G | Deep | 7440417 | Beryllium | 2 | 8 | 1 | 1.40E+00 | 3.30E-01 | 3.30E-01 | 3.30E-01 | 4.00E+00 | | | |
| G | Deep | 7440439 | Cadmium | 2 | 8 | 2 | 5.00E-01 | 3.40E-01 | 3.30E+00 | 1.82E+00 | 5.00E+00 | | | |
| G | Deep | 7440702 | Calcium | 2 | 8 | 8 | NA | 7.94E+02 | 3.38E+05 | 1.77E+05 | NA | | | |
| G | Deep | 7440473 | Chromium, Total | 2 | 8 | 5 | 1.00E+00 | 1.30E+00 | 8.10E+00 | 4.20E+00 | 1.00E+02 | | | |
| G | Deep | 7440484 | Cobalt | 2 | 8 | 4 | 9.00E-01 | 1.90E+00 | 9.50E+00 | 7.48E+00 | 2.19E+03 | | | |
| G | Deep | 7440508 | Copper | 2 | 8 | 1 | 3.70E+00 | 1.60E+00 | 1.60E+00 | 1.60E+00 | 1.30E+03 | | | |
| G | Deep | 7439896 | Iron | 2 | 8 | 8 | NA | 3.83E+01 | 1.69E+04 | 7.59E+03 | 3.00E+02 | 2 | 2 | |
| G | Deep | 7439921 | Lead | 2 | 8 | 0 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | |
| G | Deep | 7439954 | Magnesium | 2 | 8 | 8 | NA | 2.25E+02 | 6.24E+05 | 3.36E+05 | NA | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| G | Deep | 7439965 | Manganese | 2 | 8 | 8 | NA | 2.07E+01 | 9.03E+03 | 3.33E+03 | 5.00E+01 | 2 | 2 | |
| G | Deep | 7439976 | Mercury | 2 | 8 | 2 | 3.10E-01 | 1.40E-01 | 1.80E-01 | 1.60E-01 | 2.00E+00 | | | |
| G | Deep | 7440020 | Nickel | 2 | 8 | 6 | 8.00E-01 | 7.70E-01 | 2.13E+01 | 1.16E+01 | 1.00E+02 | | | |
| G | Deep | 7440097 | Potassium | 2 | 8 | 7 | 5.60E+02 | 1.47E+04 | 1.98E+05 | 1.14E+05 | NA | | | |
| G | Deep | 7782492 | Selenium | 2 | 8 | 1 | 3.40E+00 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 5.00E+01 | | | |
| G | Deep | 7440224 | Silver | 2 | 8 | 1 | 1.20E+00 | 4.20E+00 | 4.20E+00 | 4.20E+00 | 1.00E+02 | | | |
| G | Deep | 7440280 | Thallium | 2 | 8 | 0 | 7.70E+00 | NA | NA | NA | 2.00E+00 | | | |
| G | Deep | 7440315 | Tin (Sn) | 2 | 8 | 0 | 1.40E+01 | NA | NA | NA | NA | | | |
| G | Deep | 7440622 | Vanadium | 2 | 8 | 0 | 1.10E+00 | NA | NA | NA | 2.56E+02 | | | |
| G | Deep | 7440666 | Zinc | 2 | 8 | 2 | 3.05E+01 | 6.30E+00 | 5.08E+01 | 2.86E+01 | 5.00E+03 | | | |
| H | Shallow | 7429905 | Aluminum | 11 | 45 | 6 | 1.56E+03 | 5.73E+01 | 1.14E+03 | 4.13E+02 | 2.00E+02 | 1 | 1 | 1 |
| H | Shallow | 7440360 | Antimony | 11 | 49 | 0 | 1.12E+02 | NA | NA | NA | 6.00E+00 | | | |
| H | Shallow | 7440382 | Arsenic | 11 | 53 | 30 | 3.60E+01 | 8.00E-01 | 4.96E+01 | 1.99E+01 | 5.00E+01 | | | |
| H | Shallow | 7440393 | Barium | 11 | 45 | 15 | 8.26E+01 | 2.90E+00 | 1.15E+02 | 2.62E+01 | 2.00E+03 | | | |
| H | Shallow | 7440417 | Beryllium | 11 | 51 | 1 | 2.10E+00 | 9.80E-01 | 9.80E-01 | 9.80E-01 | 4.00E+00 | | | |
| H | Shallow | 7440439 | Cadmium | 11 | 45 | 1 | 1.47E+01 | 4.60E+00 | 4.60E+00 | 4.60E+00 | 5.00E+00 | | | 1 |
| H | Shallow | 7440702 | Calcium | 11 | 45 | 45 | NA | 8.51E+03 | 7.20E+05 | 2.09E+05 | NA | | | |
| H | Shallow | 7440473 | Chromium, Total | 11 | 49 | 3 | 3.01E+01 | 1.70E+00 | 5.80E+00 | 3.50E+00 | 1.00E+02 | | | |
| H | Shallow | 7440484 | Cobalt | 11 | 45 | 3 | 1.68E+01 | 9.70E-01 | 2.90E+00 | 2.09E+00 | 2.19E+03 | | | |
| H | Shallow | 7440508 | Copper | 11 | 45 | 2 | 2.31E+01 | 6.90E-01 | 3.50E+00 | 2.10E+00 | 1.30E+03 | | | |
| H | Shallow | 7439896 | Iron | 11 | 45 | 42 | 7.91E+02 | 3.17E+02 | 2.87E+04 | 9.94E+03 | 3.00E+02 | 11 | 11 | 1 |
| H | Shallow | 7439921 | Lead | 11 | 49 | 8 | 6.00E+00 | 1.10E+00 | 3.20E+00 | 2.05E+00 | 1.50E+01 | | | |
| H | Shallow | 7439954 | Magnesium | 11 | 45 | 45 | NA | 1.00E+04 | 1.09E+06 | 2.01E+05 | NA | | | |
| H | Shallow | 7439965 | Manganese | 11 | 45 | 41 | 1.77E+01 | 1.66E+01 | 4.57E+03 | 1.01E+03 | 5.00E+01 | 9 | 9 | |
| H | Shallow | 7439976 | Mercury | 11 | 49 | 2 | 5.00E-01 | 1.20E-01 | 1.30E-01 | 1.25E-01 | 2.00E+00 | | | |
| H | Shallow | 7440020 | Nickel | 11 | 45 | 4 | 7.21E+01 | 9.70E-01 | 3.62E+01 | 1.50E+01 | 1.00E+02 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| H | Shallow | 7440097 | Potassium | 11 | 45 | 44 | 7.41E+03 | 5.01E+03 | 2.97E+05 | 6.56E+04 | NA | | | |
| H | Shallow | 7782492 | Selenium | 11 | 45 | 7 | 4.60E+01 | 1.10E+00 | 5.00E+00 | 1.94E+00 | 5.00E+01 | | | |
| H | Shallow | 7440224 | Silver | 11 | 45 | 1 | 2.38E+01 | 1.40E+00 | 1.40E+00 | 1.40E+00 | 1.00E+02 | | | |
| H | Shallow | 7440280 | Thallium | 11 | 49 | 8 | 5.00E+01 | 1.90E+00 | 1.05E+02 | 1.61E+01 | 2.00E+00 | 5 | 5 | 5 |
| H | Shallow | 7440315 | Tin (Sn) | 11 | 12 | 4 | 2.95E+01 | 2.80E+00 | 4.00E+00 | 3.25E+00 | NA | | | |
| H | Shallow | 7440622 | Vanadium | 11 | 45 | 5 | 2.17E+01 | 1.80E+00 | 7.70E+00 | 5.64E+00 | 2.56E+02 | | | |
| H | Shallow | 7440666 | Zinc | 11 | 45 | 4 | 4.35E+01 | 6.60E+00 | 1.23E+02 | 3.72E+01 | 5.00E+03 | | | |
| H | Deep | 7429905 | Aluminum | 11 | 44 | 10 | 2.92E+02 | 1.61E+01 | 3.62E+03 | 1.20E+03 | 2.00E+02 | 4 | 4 | |
| H | Deep | 7440360 | Antimony | 11 | 48 | 2 | 1.60E+01 | 1.15E+01 | 1.15E+01 | 1.15E+01 | 6.00E+00 | 2 | 2 | 2 |
| H | Deep | 7440382 | Arsenic | 11 | 52 | 12 | 3.60E+01 | 1.60E+00 | 8.20E+00 | 3.09E+00 | 5.00E+01 | | | |
| H | Deep | 7440393 | Barium | 11 | 44 | 15 | 1.20E+02 | 3.01E+01 | 8.71E+02 | 1.21E+02 | 2.00E+03 | | | |
| H | Deep | 7440417 | Beryllium | 11 | 50 | 5 | 1.10E+00 | 7.10E-01 | 1.00E+00 | 8.76E-01 | 4.00E+00 | | | |
| H | Deep | 7440439 | Cadmium | 11 | 44 | 15 | 2.10E+00 | 1.50E+00 | 6.20E+00 | 4.15E+00 | 5.00E+00 | 5 | 2 | |
| H | Deep | 7440702 | Calcium | 11 | 44 | 44 | NA | 7.65E+03 | 2.28E+05 | 1.42E+05 | NA | | | |
| H | Deep | 7440473 | Chromium, Total | 11 | 48 | 16 | 1.17E+01 | 7.60E-01 | 1.16E+01 | 3.62E+00 | 1.00E+02 | | | |
| H | Deep | 7440484 | Cobalt | 11 | 44 | 5 | 1.02E+01 | 1.00E+00 | 3.00E+00 | 1.92E+00 | 2.19E+03 | | | |
| H | Deep | 7440508 | Copper | 11 | 44 | 3 | 2.19E+01 | 6.60E-01 | 1.18E+02 | 4.64E+01 | 1.30E+03 | | | |
| H | Deep | 7439896 | Iron | 11 | 44 | 36 | 2.71E+02 | 2.89E+02 | 7.18E+03 | 3.28E+03 | 3.00E+02 | 10 | 10 | |
| H | Deep | 7439921 | Lead | 11 | 48 | 9 | 2.70E+00 | 1.20E+00 | 5.90E+00 | 2.82E+00 | 1.50E+01 | | | |
| H | Deep | 7439954 | Magnesium | 11 | 44 | 44 | NA | 1.29E+03 | 1.15E+06 | 8.24E+05 | NA | | | |
| H | Deep | 7439965 | Manganese | 11 | 44 | 39 | 2.05E+01 | 3.20E+00 | 8.21E+02 | 3.23E+02 | 5.00E+01 | 9 | 9 | |
| H | Deep | 7439976 | Mercury | 11 | 48 | 5 | 1.00E-01 | 1.00E-01 | 1.70E-01 | 1.18E-01 | 2.00E+00 | | | |
| H | Deep | 7440020 | Nickel | 11 | 44 | 4 | 4.62E+01 | 1.90E+00 | 1.28E+01 | 5.50E+00 | 1.00E+02 | | | |
| H | Deep | 7440097 | Potassium | 11 | 44 | 44 | NA | 9.05E+03 | 3.84E+05 | 2.19E+05 | NA | | | |
| H | Deep | 7782492 | Selenium | 11 | 44 | 5 | 4.60E+01 | 9.00E-01 | 1.40E+00 | 1.02E+00 | 5.00E+01 | | | |
| H | Deep | 7440224 | Silver | 11 | 44 | 2 | 3.40E+00 | 1.30E+00 | 2.20E+00 | 1.75E+00 | 1.00E+02 | | | |

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| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| H | Deep | 7440280 | Thallium | 11 | 48 | 3 | 5.00E+01 | 5.60E+00 | 5.90E+00 | 5.77E+00 | 2.00E+00 | 3 | 3 | 3 |
| H | Deep | 7440315 | Tin (Sn) | 11 | 11 | 5 | 2.70E+00 | 2.70E+00 | 4.00E+00 | 3.46E+00 | NA | | | |
| H | Deep | 7440622 | Vanadium | 11 | 44 | 12 | 1.40E+01 | 1.00E+00 | 9.00E+00 | 5.13E+00 | 2.56E+02 | | | |
| H | Deep | 7440666 | Zinc | 11 | 44 | 5 | 5.80E+01 | 6.19E+01 | 1.18E+03 | 3.28E+02 | 5.00E+03 | | | |
| I | Shallow | 7429905 | Aluminum | 19 | 81 | 25 | 1.46E+02 | 2.51E+01 | 1.55E+03 | 3.19E+02 | 2.00E+02 | 4 | 4 | |
| I | Shallow | 7440360 | Antimony | 19 | 83 | 6 | 3.00E+01 | 3.10E+00 | 6.10E+00 | 4.42E+00 | 6.00E+00 | 1 | 1 | 1 |
| I | Shallow | 7440382 | Arsenic | 19 | 83 | 38 | 1.76E+01 | 2.90E+00 | 6.63E+01 | 1.57E+01 | 5.00E+01 | 1 | | |
| I | Shallow | 7440393 | Barium | 19 | 81 | 69 | 1.12E+02 | 2.50E+00 | 2.78E+02 | 5.22E+01 | 2.00E+03 | | | |
| I | Shallow | 7440417 | Beryllium | 19 | 81 | 10 | 1.40E+00 | 3.20E-01 | 1.20E+00 | 8.69E-01 | 4.00E+00 | | | |
| I | Shallow | 7440439 | Cadmium | 19 | 81 | 3 | 4.00E+00 | 5.20E-01 | 2.30E+00 | 1.19E+00 | 5.00E+00 | | | |
| I | Shallow | 7440702 | Calcium | 19 | 81 | 81 | NA | 3.90E+04 | 9.80E+05 | 2.66E+05 | NA | | | |
| I | Shallow | 7440473 | Chromium, Total | 19 | 81 | 35 | 5.00E+00 | 9.00E-01 | 2.38E+01 | 5.00E+00 | 1.00E+02 | | | |
| I | Shallow | 7440484 | Cobalt | 19 | 81 | 8 | 6.30E+00 | 6.60E-01 | 4.20E+00 | 1.52E+00 | 2.19E+03 | | | |
| I | Shallow | 7440508 | Copper | 19 | 81 | 9 | 1.00E+01 | 1.20E+00 | 5.20E+00 | 2.52E+00 | 1.30E+03 | | | |
| I | Shallow | 7439896 | Iron | 19 | 81 | 77 | 1.02E+02 | 4.89E+01 | 3.19E+04 | 6.75E+03 | 3.00E+02 | 17 | 17 | |
| I | Shallow | 7439921 | Lead | 19 | 83 | 22 | 8.60E+00 | 1.90E+00 | 1.57E+01 | 5.45E+00 | 1.50E+01 | 2 | 1 | |
| I | Shallow | 7439954 | Magnesium | 19 | 81 | 81 | NA | 8.58E+03 | 1.41E+06 | 3.38E+05 | NA | | | |
| I | Shallow | 7439965 | Manganese | 19 | 81 | 80 | 3.60E+00 | 2.34E+01 | 4.85E+03 | 8.17E+02 | 5.00E+01 | 18 | 18 | |
| I | Shallow | 7439976 | Mercury | 19 | 81 | 2 | 2.00E-01 | 1.20E-01 | 1.10E+00 | 6.10E-01 | 2.00E+00 | | | |
| I | Shallow | 7440020 | Nickel | 19 | 81 | 40 | 1.26E+01 | 1.00E+00 | 1.63E+01 | 4.20E+00 | 1.00E+02 | | | |
| I | Shallow | 7440097 | Potassium | 19 | 81 | 80 | 1.60E+05 | 7.06E+03 | 5.50E+05 | 1.23E+05 | NA | | | |
| I | Shallow | 7782492 | Selenium | 19 | 81 | 1 | 6.10E+00 | 2.67E+01 | 2.67E+01 | 2.67E+01 | 5.00E+01 | | | |
| I | Shallow | 7440224 | Silver | 19 | 81 | 1 | 5.00E+00 | 1.30E+00 | 1.30E+00 | 1.30E+00 | 1.00E+02 | | | |
| I | Shallow | 7440280 | Thallium | 19 | 83 | 9 | 9.00E+00 | 2.80E+00 | 7.50E+00 | 4.92E+00 | 2.00E+00 | 8 | 8 | 8 |
| I | Shallow | 7440315 | Tin (Sn) | 19 | 81 | 4 | 1.00E+03 | 2.70E+00 | 3.30E+00 | 3.05E+00 | NA | | | |
| I | Shallow | 7440622 | Vanadium | 19 | 81 | 41 | 2.31E+01 | 6.70E-01 | 1.88E+01 | 4.48E+00 | 2.56E+02 | | | |

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*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| I | Shallow | 7440666 | Zinc | 19 | 81 | 30 | 1.08E+01 | 4.10E+00 | 3.16E+02 | 2.54E+01 | 5.00E+03 | | | |
| I | Deep | 7429905 | Aluminum | 19 | 81 | 11 | 5.50E+02 | 2.90E+01 | 2.35E+02 | 8.27E+01 | 2.00E+02 | 1 | | 1 |
| I | Deep | 7440360 | Antimony | 19 | 87 | 6 | 3.00E+01 | 3.50E+00 | 9.20E+00 | 5.75E+00 | 6.00E+00 | 2 | 1 | 3 |
| I | Deep | 7440382 | Arsenic | 19 | 87 | 15 | 8.40E+00 | 2.10E+00 | 2.48E+01 | 7.71E+00 | 5.00E+01 | | | |
| I | Deep | 7440393 | Barium | 19 | 81 | 72 | 1.81E+02 | 2.77E+01 | 9.42E+02 | 1.46E+02 | 2.00E+03 | | | |
| I | Deep | 7440417 | Beryllium | 19 | 85 | 14 | 2.80E+00 | 8.30E-01 | 1.20E+00 | 9.98E-01 | 4.00E+00 | | | |
| I | Deep | 7440439 | Cadmium | 19 | 81 | 7 | 4.00E+00 | 3.00E-01 | 2.50E+00 | 1.18E+00 | 5.00E+00 | | | |
| I | Deep | 7440702 | Calcium | 19 | 81 | 81 | NA | 7.86E+04 | 1.03E+06 | 2.21E+05 | NA | | | |
| I | Deep | 7440473 | Chromium, Total | 19 | 85 | 34 | 6.60E+00 | 8.30E-01 | 4.95E+01 | 4.98E+00 | 1.00E+02 | | | |
| I | Deep | 7440484 | Cobalt | 19 | 81 | 9 | 5.00E+00 | 6.60E-01 | 3.60E+00 | 1.55E+00 | 2.19E+03 | | | |
| I | Deep | 7440508 | Copper | 19 | 81 | 7 | 1.00E+01 | 8.20E-01 | 1.54E+01 | 4.17E+00 | 1.30E+03 | | | |
| I | Deep | 7439896 | Iron | 19 | 81 | 50 | 1.60E+02 | 3.44E+01 | 1.22E+04 | 2.27E+03 | 3.00E+02 | 11 | 11 | |
| I | Deep | 7439921 | Lead | 19 | 87 | 9 | 8.50E+00 | 2.20E+00 | 5.14E+01 | 1.20E+01 | 1.50E+01 | 2 | 2 | |
| I | Deep | 7439954 | Magnesium | 19 | 81 | 81 | NA | 8.55E+03 | 1.46E+06 | 8.72E+05 | NA | | | |
| I | Deep | 7439965 | Manganese | 19 | 81 | 63 | 9.20E+00 | 4.20E-01 | 6.90E+02 | 1.35E+02 | 5.00E+01 | 16 | 14 | |
| I | Deep | 7439976 | Mercury | 19 | 85 | 3 | 3.20E-01 | 2.10E-01 | 1.90E+00 | 8.03E-01 | 2.00E+00 | | | |
| I | Deep | 7440020 | Nickel | 19 | 81 | 18 | 2.20E+01 | 8.70E-01 | 4.54E+02 | 2.83E+01 | 1.00E+02 | 1 | 1 | |
| I | Deep | 7440097 | Potassium | 19 | 81 | 81 | NA | 1.96E+03 | 4.95E+05 | 2.90E+05 | NA | | | |
| I | Deep | 7782492 | Selenium | 19 | 81 | 1 | 1.40E+01 | 5.90E+00 | 5.90E+00 | 5.90E+00 | 5.00E+01 | | | |
| I | Deep | 7440224 | Silver | 19 | 81 | 0 | 7.60E+00 | NA | NA | NA | 1.00E+02 | | | |
| I | Deep | 7440280 | Thallium | 19 | 87 | 16 | 9.00E+00 | 3.10E+00 | 1.54E+01 | 6.32E+00 | 2.00E+00 | 12 | 12 | 12 |
| I | Deep | 7440315 | Tin (Sn) | 19 | 81 | 11 | 1.00E+03 | 3.10E+00 | 3.65E+02 | 1.72E+02 | NA | | | |
| I | Deep | 7440622 | Vanadium | 19 | 81 | 32 | 1.37E+01 | 9.50E-01 | 1.87E+01 | 5.51E+00 | 2.56E+02 | | | |
| I | Deep | 7440666 | Zinc | 19 | 81 | 13 | 4.00E+01 | 7.40E+00 | 1.16E+02 | 2.57E+01 | 5.00E+03 | | | |
| K-Annex | Shallow | 7429905 | Aluminum | 2 | 9 | 3 | 1.07E+03 | 3.91E+02 | 9.49E+03 | 3.57E+03 | 2.00E+02 | 2 | 2 | 2 |
| K-Annex | Shallow | 7440360 | Antimony | 2 | 9 | 0 | 2.80E+00 | NA | NA | NA | 6.00E+00 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| K-Annex | Shallow | 7440382 | Arsenic | 2 | 9 | 0 | 3.30E+00 | NA | NA | NA | 5.00E+01 | | | |
| K-Annex | Shallow | 7440393 | Barium | 2 | 9 | 8 | 8.50E+00 | 6.20E+00 | 6.52E+01 | 2.21E+01 | 2.00E+03 | | | |
| K-Annex | Shallow | 7440417 | Beryllium | 2 | 9 | 0 | 2.20E-01 | NA | NA | NA | 4.00E+00 | | | |
| K-Annex | Shallow | 7440439 | Cadmium | 2 | 9 | 0 | 1.00E+00 | NA | NA | NA | 5.00E+00 | | | |
| K-Annex | Shallow | 7440473 | Chromium, Total | 2 | 9 | 1 | 5.10E+00 | 1.07E+01 | 1.07E+01 | 1.07E+01 | 1.00E+02 | | | |
| K-Annex | Shallow | 7440484 | Cobalt | 2 | 9 | 1 | 1.40E+00 | 1.50E+00 | 1.50E+00 | 1.50E+00 | 2.19E+03 | | | |
| K-Annex | Shallow | 7440508 | Copper | 2 | 9 | 3 | 7.80E+00 | 9.80E-01 | 4.80E+00 | 2.36E+00 | 1.30E+03 | | | |
| K-Annex | Shallow | 7439896 | Iron | 2 | 9 | 6 | 1.73E+02 | 6.43E+01 | 2.80E+03 | 6.38E+02 | 3.00E+02 | 2 | 2 | |
| K-Annex | Shallow | 7439921 | Lead | 2 | 9 | 2 | 1.90E+00 | 1.90E+00 | 6.10E+00 | 4.00E+00 | 1.50E+01 | | | |
| K-Annex | Shallow | 7439965 | Manganese | 2 | 9 | 5 | 4.60E+00 | 1.30E+00 | 6.66E+01 | 1.89E+01 | 5.00E+01 | 1 | 1 | |
| K-Annex | Shallow | 7439976 | Mercury | 2 | 9 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| K-Annex | Shallow | 7440020 | Nickel | 2 | 9 | 1 | 6.20E+00 | 6.40E+00 | 6.40E+00 | 6.40E+00 | 1.00E+02 | | | |
| K-Annex | Shallow | 7782492 | Selenium | 2 | 9 | 0 | 3.60E+00 | NA | NA | NA | 5.00E+01 | | | |
| K-Annex | Shallow | 7440224 | Silver | 2 | 9 | 0 | 3.20E+00 | NA | NA | NA | 1.00E+02 | | | |
| K-Annex | Shallow | 7440280 | Thallium | 2 | 9 | 0 | 6.70E+00 | NA | NA | NA | 2.00E+00 | | | 2 |
| K-Annex | Shallow | 7440315 | Tin | 2 | 9 | 2 | 8.75E+01 | 5.38E+01 | 1.96E+02 | 1.25E+02 | NA | | | |
| K-Annex | Shallow | 7440622 | Vanadium | 2 | 9 | 3 | 7.80E-01 | 7.60E-01 | 9.40E+00 | 3.72E+00 | 2.56E+02 | | | |
| K-Annex | Shallow | 7440666 | Zinc | 2 | 9 | 0 | 6.85E+01 | NA | NA | NA | 5.00E+03 | | | |
| K-Clouter | Shallow | 7429905 | Aluminum | 1 | 4 | 0 | 7.41E+01 | NA | NA | NA | 2.00E+02 | | | |
| K-Clouter | Shallow | 7440360 | Antimony | 1 | 6 | 0 | 2.70E+00 | NA | NA | NA | 6.00E+00 | | | |
| K-Clouter | Shallow | 7440382 | Arsenic | 1 | 6 | 6 | NA | 4.60E+00 | 9.40E+00 | 6.73E+00 | 5.00E+01 | | | |
| K-Clouter | Shallow | 7440393 | Barium | 1 | 4 | 4 | NA | 2.91E+01 | 6.19E+01 | 4.80E+01 | 2.00E+03 | | | |
| K-Clouter | Shallow | 7440417 | Beryllium | 1 | 6 | 2 | 5.60E-01 | 1.90E-01 | 2.00E-01 | 1.95E-01 | 4.00E+00 | | | |
| K-Clouter | Shallow | 7440439 | Cadmium | 1 | 4 | 1 | 3.00E-01 | 3.60E-01 | 3.60E-01 | 3.60E-01 | 5.00E+00 | | | |
| K-Clouter | Shallow | 7440473 | Chromium, Total | 1 | 6 | 1 | 4.20E+00 | 2.20E+00 | 2.20E+00 | 2.20E+00 | 1.00E+02 | | | |
| K-Clouter | Shallow | 7440484 | Cobalt | 1 | 4 | 0 | 8.90E-01 | NA | NA | NA | 2.19E+03 | | | |

**TABLE C2**
Background Groundwater (Shallow and Deep) Parameter Concentration Statistical Summary for Each Zone
*Technical Memorandum: Summary of Inorganic Chemical Concentrations in Background Soil and Groundwater, Charleston Naval Complex*

| | | | | | | | Range of Concentrations | | | | | Number of Wells Exceeding RBC | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zone | Aquifer | CAS Number | Parameter | Wells | Samples | Detects | Max NonDetect | Min Detect (µg/L) | Max Detect (µg/L) | Mean Detect (µg/L) | GWP Criteria (µg/L) | Max of Detects | Mean of Detects | Max NonDetect |
| K-Clouter | Shallow | 7440508 | Copper | 1 | 4 | 2 | 1.10E+00 | 4.60E+00 | 5.90E+00 | 5.25E+00 | 1.30E+03 | | | |
| K-Clouter | Shallow | 7439896 | Iron | 1 | 4 | 4 | NA | 2.58E+03 | 6.25E+03 | 4.59E+03 | 3.00E+02 | 1 | 1 | |
| K-Clouter | Shallow | 7439921 | Lead | 1 | 6 | 0 | 1.70E+00 | NA | NA | NA | 1.50E+01 | | | |
| K-Clouter | Shallow | 7439965 | Manganese | 1 | 4 | 4 | NA | 3.11E+02 | 9.76E+02 | 6.07E+02 | 5.00E+01 | 1 | 1 | |
| K-Clouter | Shallow | 7439976 | Mercury | 1 | 6 | 0 | 2.00E-01 | NA | NA | NA | 2.00E+00 | | | |
| K-Clouter | Shallow | 7440020 | Nickel | 1 | 4 | 1 | 2.80E+00 | 3.50E+00 | 3.50E+00 | 3.50E+00 | 1.00E+02 | | | |
| K-Clouter | Shallow | 7782492 | Selenium | 1 | 4 | 0 | 3.40E+00 | NA | NA | NA | 5.00E+01 | | | |
| K-Clouter | Shallow | 7440224 | Silver | 1 | 4 | 0 | 3.20E+00 | NA | NA | NA | 1.00E+02 | | | |
| K-Clouter | Shallow | 7440280 | Thallium | 1 | 6 | 0 | 5.22E+01 | NA | NA | NA | 2.00E+00 | | | 1 |
| K-Clouter | Shallow | 7440315 | Tin | 1 | 4 | 1 | 3.08E+01 | 3.98E+01 | 3.98E+01 | 3.98E+01 | NA | | | |
| K-Clouter | Shallow | 7440622 | Vanadium | 1 | 4 | 4 | NA | 3.30E+00 | 5.90E+00 | 4.55E+00 | 2.56E+02 | | | |
| K-Clouter | Shallow | 7440666 | Zinc | 1 | 4 | 0 | 2.55E+01 | NA | NA | NA | 5.00E+03 | | | |

All units are in micrograms per liter (µg/L).

NA Not applicable/not available

# Appendices D1-D4

**Appendix D1**
Surface Soil Background Point Concentration Estimates Using Statistical Procedures (Summarized from Zone-Specific RFI Reports)
*Charleston Naval Complex*

| Chemical | ZONE A | | | | ZONE B | | | | ZONE C | | | | ZONE D | | | | ZONE E | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type |
| Aluminum | 13 | 7370 | 12800 | P | 12 | 9714 | 15500 | P | 45 | NA | 9990 | P | 12 | NA | 8700 | | 25 | 7,356 | 26,600 | P |
| Antimony | 13 | ND | ND | NA | 15 | 6.8 | NOC | NA | 45 | NA | 0.55 | N | 12 | NA | 0.92 | | 24 | 0.78 | 1.77 | N |
| Arsenic | 13 | 4.37 | 9.44 | P | 15 | 8.54 | 90 | P | 45 | NA | 14.2 | P | 12 | NA | 5.55 | | 24 | 10.3 | 23.9 | N |
| Barium | 13 | 22.7 | 53 | P | 15 | 47.09 | 98.7 | P | 45 | NA | 77.2 | P | 12 | NA | 30.1 | | 24 | 29.7 | 130 | P |
| Beryllium | 13 | NOC | NOC | NA | 15 | 0.549 | 1.4 | P | 45 | NOC | NOC | NA | 12 | NA | 0.19 | | 25 | 0.49 | 1.7 | P |
| Cadmium | 13 | NOC | NOC | NA | 15 | ND | ND | NA | 45 | NA | 0.65 | N | 12 | NA | 0.07 | | 25 | 0.38 | 1.5 | N |
| Chromium | 13 | 15.7 | 50.4 | P | 15 | 23.33 | 80.2 | P | 45 | NA | 26.4 | P | 12 | NA | 12.4 | | 23 | 17.6 | 94.6 | P |
| Cobalt | 13 | 1.41 | 4.4 | N | 15 | 3.27 | 21.9 | P | 45 | NA | 3.22 | P | 12 | NA | 9.46 | | 25 | 8.9 | 19 | P |
| Copper | 13 | 18.3 | 165 | P | 15 | 30.62 | 225 | P | 45 | NA | 34.7 | P | 12 | NA | 40.6 | | 19 | 18.4 | 66 | P |
| Iron | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | NA | NA | NA | NA |
| Lead | 13 | 36.3 | 140 | P | 15 | 51.89 | 114 | P | 45 | NA | 330 | P | 12 | NA | 18.8 | | 24 | 70.3 | 265 | N |
| Manganese | 13 | 35.6 | 98.1 | P | 15 | 218.6 | 589 | P | 45 | NA | 92.5 | P | 12 | NA | 28.6 | | 24 | 106 | 302 | N |
| Mercury | 13 | 0.11 | 0.3 | P | 15 | 0.342 | 1.55 | N | 45 | NA | 0.24 | N | 12 | NA | 0.05 | | 24 | 0.2 | 2.6 | P |
| Nickel | 13 | 7.26 | 13.6 | P | 15 | 11.42 | 43.6 | P | 45 | NA | 12.3 | P | 12 | NA | 4.68 | | 25 | 12.7 | 77.1 | P |
| Selenium | 13 | 0.54 | 1.2 | N | 15 | 0.816 | 2..80 | N | 45 | NA | 1.44 | P | 12 | NA | 0.91 | | NA | 0.56 | 1.7 | N |
| Silver | 13 | ND | ND | NA | 15 | 0.717 | 1.7 | N | 45 | NOC | NOC | NA | 12 | NA | 0.43 | | 25 | NOC | NOC | NA |
| Thallium* | 13 | ND | ND | NA | 15 | ND | ND | NA | 45 | ND | ND | NA | 12 | NA | ND | | 25 | 0.49 | 2.8 | N |
| Tin | 13 | ND | ND | NA | 15 | 7.53 | 14.8 | N | 45 | NA | 2.95 | P | NA | NA | NA | | 25 | 8.1 | 59.4 | P |
| Vanadium | 13 | 15.9 | 29.2 | P | 15 | 25.73 | 156 | P | 45 | NA | 23.4 | P | 12 | NA | 9.73 | | 25 | 17.3 | 94.3 | P |
| Zinc | 13 | 76.2 | 208 | P | 15 | 105.6 | 293 | P | 45 | NA | 159 | P | 12 | NA | 25.1 | | 22 | 93.7 | 827 | P |
| Cyanide | 13 | ND | ND | NA | 15 | ND | ND | NA | 45 | ND | ND | NA | 12 | NA | 0.18 | | 25 | 0.15 | 0.5 | N |

| Chemical | ZONE F** | | | | ZONE G** | | | | ZONE I | | | | ZONE K (Naval Annex)** | | | | Zone K (Clouter Island)** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type | n | # of detects | Mean | UTL (mg/kg) | n | # of detects | Mean | UTL (mg/kg) |
| Aluminum | 6 | 9250 | 18,500 | | 9 | 9350 | 18,700 | | 15 | 11,600 | 27,400 | N | 9 | 9 | 5,600 | 11,200 | 3 | 3 | 16,100 | 32,100 |
| Antimony | 6 | 0.395 | 0.79 | | 9 | 1.445 | 2.89 | | 15 | ND | ND | NA | 9 | 1 | 0.23 | 0.45 | 3 | 3 | 1.08 | 2.16 |
| Arsenic | 6 | 9.95 | 19.9 | | 9 | 8.6 | 17.2 | | 14 | 5.96 | 21.6 | P | 9 | 9 | 1.50 | 3 | 3 | 3 | 11.5 | 23 |
| Barium | 6 | 30.75 | 61.5 | | 9 | 54.5 | 109 | | 14 | 26.7 | 54.2 | P | 9 | 9 | 12.80 | 25.6 | 3 | 3 | 33.6 | 67.1 |
| Beryllium | 6 | 0.525 | 1.05 | | 9 | 0.6 | 1.2 | | 15 | 0.41 | 0.95 | N | 9 | 5 | 0.09 | 0.17 | 3 | 3 | 0.68 | 1.35 |
| Cadmium | 6 | 0.13 | 0.26 | | 9 | 0.535 | 1.07 | | 15 | 0.42 | 0.61 | N | 9 | 1 | 0.07 | 0 | 3 | 2 | 0.28 | 0.55 |
| Chromium | NA | NA | NA | | 9 | 21.4 | 42.8 | | 9 | 16.5 | 34.5 | P | 9 | 9 | 4.20 | 8.4 | 3 | 3 | 34.6 | 69.1 |
| Cobalt | 6 | 7.55 | 15.1 | | 9 | 3.3 | 6.6 | | 15 | 2.9 | 5.8 | N | 9 | 3 | 0.17 | 0.34 | 3 | 3 | 2.85 | 5.7 |
| Copper | 6 | 24.1 | 48.2 | | 9 | 130 | 260 | | 14 | 59 | 240 | P | 9 | 6 | 1.93 | 3.86 | 3 | 3 | 59.5 | 119 |
| Iron | NA | NA | NA | | NA | NA | NA | | NA | NA | NA | NA | 9 | 9 | 3,530 | 7,060 | 3 | 3 | 17,600 | 35,200 |
| Lead | 6 | 90 | 180 | | 9 | 90.5 | 181 | | 15 | 51.7 | 203 | N | 9 | 8 | 19.80 | 39.6 | 3 | 3 | 49.1 | 98.3 |
| Manganese | 6 | 153.5 | 307 | | 9 | 162.5 | 325 | | 15 | 160 | 419 | N | 9 | 9 | 13.20 | 26.4 | 3 | 3 | 605 | 1,210 |
| Mercury | 6 | 0.31 | 0.62 | | 9 | 0.515 | 1.03 | | 15 | 0.2 | 0.47 | N | 9 | 0 | NA | NA | 3 | 3 | 0.32 | 0.63 |
| Nickel | 6 | 6.3 | 12.6 | | 9 | 10.3 | 20.6 | | 15 | 9.27 | 23.9 | P | 9 | 5 | 0.85 | 1.7 | 3 | 3 | 12.2 | 24.5 |
| Selenium | 6 | 0.575 | 1.15 | | 9 | 0.61 | 1.22 | | 15 | 0.76 | 1.49 | P | 9 | 3 | 0.42 | 0.84 | 3 | 3 | 0.62 | 1.24 |
| Silver | 6 | 0.925 | 1.85 | | 9 | ND | ND | | 15 | NA | NOC | NA | 9 | 2 | 0.22 | 0.44 | 3 | 2 | 0.21 | 0.41 |
| Thallium* | 6 | ND | ND | | 9 | 0.425 | 0.85 | | 15 | ND | ND | NA | 9 | 0 | NA | NA | 3 | 1 | NA | NA |
| Tin | 6 | 4.69 | 9.38 | | 9 | 4.835 | 9.67 | | 15 | 1.74 | 7.5 | N | 9 | 3 | 9.70 | 19.4 | 3 | 1 | 19.5 | 39.1 |
| Vanadium | 6 | 24.45 | 48.9 | | 9 | 30.45 | 60.9 | | 15 | 27.3 | 113 | P | 9 | 9 | 7.90 | 15.8 | 3 | 3 | 38 | 75.9 |
| Zinc | 6 | 99 | 198 | | 9 | 259.5 | 519 | | 15 | 53.1 | NA | P | 9 | 1 | 7.40 | 14.8 | 3 | 3 | 118 | 236 |
| Cyanide | 6 | 0.145 | 0.29 | | 9 | 0.19 | 0.38 | | 15 | ND | ND | NA | 9 | 0 | NA | NA | 3 | 0 | NA | NA |

Refer to RFI reports for further details

* Thallium values are subject to revision pending results of basewide study of thallium in groundwater

** "twice the mean" approach was used for statistical analysis

N Nonparametric UTL

ND Not detected

NOC No UTL calculated (NDs > 90%)

P Parametric UTL

**Appendix D2**

Subsurface Soil Background Point Concentration Estimates Using Statistical Procedures (Summarized from Zone-Specific RFI Reports)

*Charleston Naval Complex*

| Chemical | ZONE A | | | | ZONE B | | | | ZONE C | | | | ZONE D** | | | ZONE E | | | | ZONE F** | | | ZONE G** | | | ZONE I** | | | ZONE K*** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | n | Mean | UTL (mg/kg) | Test Type | n | Mean | UTL (mg/kg) | n | Mean | UTL (mg/kg) | n | Mean | UTL (mg/kg) | n | # Detects | Mean | UTL (mg/kg) |
| Aluminum | 12 | 9133 | 28240 | P | 12 | 7395 | 17700 | P | 30 | NA | 23700 | P | 12 | 5150 | 10300 | 24 | 8534 | 41,100 | P | 6 | 8550 | 17,100 | 7 | 11800 | 23,600 | 6 | 9,470 | 18,900 | 9 | 9 | 5,270 | 10,500 |
| Antimony | 12 | ND | ND | NA | 14 | 7.72 | NOC | NA | 30 | NA | 0.92 | N | 12 | ND | ND | 24 | 0.75 | 1.6 | N | 6 | ND | ND | 7 | ND | ND | 0 | ND | ND | 9 | 0 | NA | NA |
| Arsenic | 12 | 3.9 | 9.84 | P | 14 | 6.46 | 48.9 | P | 30 | NA | 14.1 | N | 12 | 2.04 | 4.08 | 20 | 5.9 | 19.9 | P | 6 | 9.1 | 18.2 | 7 | 7.75 | 15.5 | 5 | 3.23 | 6.45 | 9 | 9 | 0.99 | 1.98 |
| Barium | 12 | 16.5 | 40 | P | 14 | 28.04 | 65 | N | 30 | NA | 68.5 | P | 12 | 14.85 | 29.7 | 24 | 26.3 | 94.1 | P | 6 | 25.9 | 51.8 | 7 | 32.25 | 64.5 | 6 | 18 | 36 | 9 | 9 | 3.42 | 6.83 |
| Beryllium | 12 | ND | ND | NA | 14 | 0.4 | 1.61 | P | 30 | NA | 0.98 | N | 12 | 0.375 | 0.75 | 24 | 0.55 | 2.71 | P | 6 | 0.6 | 1.2 | 7 | 0.815 | 1.63 | 4 | 0.33 | 0.67 | 9 | 6 | 0.06 | 0.12 |
| Cadmium | 12 | ND | ND | NA | 14 | ND | ND | NA | 30 | NA | 0.28 | N | 12 | 0.19 | 0.38 | 24 | 0.31 | 0.96 | N | 6 | 0.045 | 0.09 | 7 | 0.24 | 0.48 | 1 | 0.27 | 0.54 | 9 | 0 | NA | NA |
| Chromium | 12 | 25.2 | 63.4 | N | 14 | 19.53 | 75.7 | N | 30 | NA | 12.5 | P | 12 | 11.15 | 22.3 | 24 | 22.4 | 75.2 | N | 6 | 16.1 | 32.2 | 7 | 21.7 | 43.4 | 6 | 25.7 | 51.3 | 9 | 9 | 4.38 | 8.76 |
| Cobalt | 12 | 0.99 | 1.7 | N | 14 | 4.47 | 10.6 | N | 30 | NA | 7.1 | N | 12 | 1.445 | 2.89 | 24 | 3.7 | 14.9 | N | 6 | 3.425 | 6.85 | 7 | 4.07 | 8.14 | 3 | 1.74 | 3.48 | 9 | 4 | 0.31 | 0.62 |
| Copper | 12 | 4.12 | 33.7 | P | 14 | 9.39 | 47 | P | 30 | NA | 42.2 | P | 12 | ND | ND | 22 | 16.5 | 152 | P | 6 | 15.2 | 30.4 | 7 | 16.3 | 32.6 | 6 | 5.75 | 11.5 | 9 | 3 | 0.17 | 0.34 |
| Iron | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9 | 9 | 2,570 | 5,130 |
| Lead | 12 | 6.9 | 22 | P | 14 | 21 | 145 | P | 30 | NA | 73.2 | P | 12 | 3.935 | 7.87 | 23 | 39.6 | 173 | N | 6 | 25.85 | 51.7 | 7 | 33.15 | 66.3 | 6 | 6.15 | 12.3 | 9 | 9 | 3.22 | 6.43 |
| Manganese | 12 | 20.5 | 85.5 | P | 14 | 129.5 | 288 | N | 30 | NA | 106 | P | 12 | 14.95 | 29.9 | 24 | 115 | 881 | P | 6 | 234.5 | 469 | 7 | 145.5 | 291 | 6 | 59.2 | 118 | 9 | 9 | 2.97 | 5.93 |
| Mercury | 12 | ND | ND | NA | 14 | 0.255 | 2 | N | 30 | NA | 0.3 | N | 12 | 0.025 | 0.05 | 24 | 0.15 | 1.59 | P | 6 | 0.115 | 0.23 | 7 | 0.155 | 0.31 | 0 | ND | ND | 9 | 0 | NA | NA |
| Nickel | 12 | 9.16 | 35 | N | 14 | 8.25 | 29.9 | N | 30 | NA | 16.7 | P | 12 | 3.38 | 6.76 | 24 | 8 | 57 | P | 6 | 4.425 | 8.85 | 7 | 9.15 | 18.3 | 5 | 7.83 | 15.7 | 9 | 8 | 1.32 | 2.64 |
| Selenium | 12 | 0.95 | 1.74 | P | 14 | 0.874 | 3.8 | N | 30 | NA | 2.9 | N | 12 | 0.73 | 1.46 | 24 | 0.29 | 2.4 | N | 6 | 0.62 | 1.24 | 7 | 0.63 | 1.26 | 5 | 0.89 | 1.77 | 9 | 1 | 0.26 | 0.52 |
| Silver | 12 | NOC | NOC | NA | 14 | 0.949 | 1.8 | N | 30 | NA | ND | NA | 12 | 0.18 | 0.36 | 24 | ND | ND | NA | 6 | ND | ND | 7 | ND | ND | 0 | ND | ND | 9 | 2 | 0.21 | 0.42 |
| Thallium* | 12 | ND | ND | NA | 14 | ND | NA | NA | 30 | NA | NOC | NA | 12 | 0.285 | 0.57 | 24 | ND | ND | NA | 6 | 0.62 | 1.24 | 7 | 0.475 | 0.95 | 0 | ND | ND | 9 | 0 | NA | NA |
| Tin | 12 | NOC | NOC | NA | 14 | NA | 1.3 | N | 30 | NA | 2.37 | P | NA | NA | NA | 22 | 3.6 | 9.23 | P | 6 | ND | ND | 7 | 1.48 | 2.96 | 0 | ND | ND | 9 | 0 | NA | NA |
| Vanadium | 12 | 23 | 77.3 | P | 14 | 22.04 | 102 | N | 30 | NA | 56.9 | N | 12 | 7.55 | 15.1 | 24 | 22 | 155 | P | 6 | 24.7 | 49.4 | 7 | 36.25 | 72.5 | 6 | 19.1 | 38.1 | 9 | 9 | 6.09 | 12.2 |
| Zinc | 12 | 25.5 | 165 | P | 14 | 47.19 | 238 | N | 30 | NA | 243 | P | 12 | 15.05 | 30.1 | 24 | 95.5 | 886 | P | 6 | 42.1 | 84.2 | 7 | 72.5 | 145 | 6 | 18.1 | 36.2 | 9 | 0 | NA | NA |
| Cyanide | 12 | ND | ND | NA | 14 | ND | ND | NA | 30 | NA | ND | NA | 12 | 0.08 | 0.16 | 24 | NOC | NOC | NA | 6 | 0.12 | 0.24 | 7 | 0.11 | 0.22 | 0 | ND | ND | 9 | 0 | NA | NA |

Refer to RFI reports for fu

* Thallium values are subject to revision pending results of basewide study of thallium in groundwater

** "twice the mean" approach was used for stastical analysis

*** Arithmetic mean was calculated using one-half of SQL for nondetects.

N Nonparametric UTL

NA Data not available

ND Not detected

NOC No UTL calculated (NDs > 90%)

P Parametric UTL

**Appendix D3**

Shallow Groundwater Background Point Concentration Estimates Using Statistical Procedures (Summarized from Zone-Specific RFI Reports)

*Charleston Naval Complex*

| Chemical | ZONE A** | | | ZONE C | | | ZONE D | | | ZONE E | | | | ZONE F** | | | ZONE G** | | | ZONE I | | | | ZONE K (NAVAL ANNEX)*** | | | | ZONE K (CLOUTER ISLAND)*** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | Test Type | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | Test Type | n | Detetcts | Mean | UTL (µg/L) | n | Detetcts | Mean | (mg/kg) |
| **Aluminum** | 3 | 1605 | 321 | 8 | 205 | 410 | 1 | NA | 1410 | 99 | 418 | 2,810 | P | 4 | 112 | 224 | 4 | 346 | 692 | 76 | 107 | 1,440 | N | 7 | 1 | 236 | 471 | 4 | 3 | 16,100 | 32,100 |
| **Antimony** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | 2.425 | 4.85 | 76 | NA | NOC | NA | 7 | 0 | NA | NA | 4 | 3 | 1.08 | 2.16 |
| **Arsenic** | 3 | 26.8 | 7.4 | 8 | 3.04 | 6.07 | 1 | NA | 5.4 | 84 | 5.2 | 18.7 | N | 4 | 8.35 | 16.7 | 4 | 8.9 | 17.8 | 72 | 6.5 | 23 | N | 7 | 0 | NA | NA | 4 | 3 | 11.5 | 23 |
| **Barium** | 3 | 52.2 | 104 | 8 | 8.35 | 16.7 | 1 | NA | 17.6 | 100 | 51.3 | 211 | P | 4 | 47.15 | 94.3 | 4 | 15.5 | 31 | 72 | 41.4 | 110 | P | 7 | 6 | 15.6 | 31.2 | 4 | 3 | 33.6 | 67.1 |
| **Beryllium** | 3 | ND | ND | 8 | 0.17 | 0.33 | 1 | NA | 0.8 | 100 | 0.31 | 0.43 | N | 4 | 0.33 | 0.66 | 4 | ND | ND | 76 | 0.42 | 1.1 | N | 7 | 0 | NA | NA | 4 | 3 | 0.68 | 1.35 |
| **Cadmium** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | 0.41 | 0.82 | 4 | 0.265 | 0.53 | 76 | NA | NOC | NA | 7 | 0 | NA | NA | 4 | 2 | 0.28 | 0.55 |
| **Chromium** | 3 | 4.4 | 8.7 | 8 | 1.00 | 1.99 | 1 | NA | 3.8 | 100 | 1.6 | 12.3 | N | 4 | 1.025 | 2.05 | 4 | 1.94 | 3.88 | 76 | 2.2 | 14.3 | N | 7 | 0 | NA | NA | 4 | 3 | 34.6 | 69.1 |
| **Cobalt** | 3 | ND | ND | 8 | 0.67 | 1.33 | NA | NA | NA | 96 | 0.9 | 2.5 | N | 4 | 5.45 | 10.9 | 4 | 0.725 | 1.45 | 76 | 1.1 | 2.2 | N | 7 | 0 | NA | NA | 4 | 3 | 2.85 | 5.7 |
| **Copper** | 3 | 7.87 | 15.7 | 8 | 0.95 | 1.9 | NA | NA | NA | 100 | 1.4 | 2.7 | N | 4 | ND | ND | 4 | 4.165 | 8.33 | 76 | 1.2 | 4.4 | N | 7 | 1 | 1.41 | 2.81 | 4 | 3 | 59.5 | 119 |
| **Lead** | 3 | 2.35 | 4.7 | 8 | 1.64 | 3.27 | 1 | NA | 3.8 | 96 | 1.4 | 4.8 | N | 4 | ND | ND | 4 | 2.3 | 4.6 | 71 | 1.7 | 4.4 | N | 7 | 1 | 0.97 | 1.94 | 4 | 3 | 49.1 | 98.3 |
| **Manganese** | 3 | 189.3 | 577 | 8 | 304 | 608 | 1 | NA | 30.6 | 100 | 455 | 2,560 | N | 4 | 1005 | 2010 | 4 | 1453 | 2906 | 76 | 746 | 5,430 | P | 7 | 4 | 4.66 | 9.33 | 4 | 3 | 605 | 1,210 |
| **Mercury** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | ND | ND | 76 | NA | NOC | NA | 7 | 0 | NA | NA | 4 | 3 | 0.32 | 0.63 |
| **Nickel** | 3 | ND | ND | 8 | 1.80 | 3.59 | 1 | NA | 3.4 | 100 | 2.3 | 15.2 | N | 4 | 2.775 | 5.55 | 4 | 2.04 | 4.08 | 76 | 2.9 | 13.3 | P | 7 | 0 | NA | NA | 4 | 3 | 12.2 | 24.5 |
| **Selenium** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | 2.15 | 4.3 | 76 | ND | ND | NA | 7 | 0 | NA | NA | 4 | 2 | 0.62 | 1.24 |
| **Silver** | 3 | ND | ND | 8 | 0.63 | 1.26 | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | 0.825 | 1.65 | 76 | NA | NOC | NA | 7 | 0 | NA | NA | 4 | 1 | 0.21 | 0.41 |
| **Thallium*** | 3 | ND | ND | 8 | ND | ND | NA | ND | NA | 100 | 2.3 | 5.4 | N | 4 | 2.79 | 5.58 | 4 | ND | ND | 76 | 2.5 | 6.6 | N | 7 | 0 | NA | NA | 4 | 0 | NA | NA |
| **Tin** | NA | NA | NA | 8 | ND | ND | NA | ND | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | ND | ND | 76 | NA | NOC | NA | 7 | 2 | 51 | 102 | 4 | 1 | 19.5 | 39.1 |
| **Vanadium** | 3 | 2.7 | 5.4 | 8 | 0.98 | 1.96 | 1 | NA | 7.2 | 100 | 2.8 | 11.4 | P | 4 | 0.79 | 1.58 | 4 | 7.7 | 15.4 | 76 | 3.1 | 14 | P | 7 | 1 | 0.4 | 0.8 | 4 | 3 | 38 | 75.9 |
| **Zinc** | 3 | 41.6 | 83.2 | 8 | 6.60 | 13.2 | NA | NA | NA | 97 | 7.5 | 27.3 | N | 4 | ND | ND | 4 | 7.8 | 15.6 | 76 | 7.1 | 24.4 | N | 7 | 0 | NA | NA | 4 | 3 | 118 | 236 |
| **Cyanide** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | 1.8 | 7.9 | N | 4 | 1.65 | 3.3 | 4 | 1.9 | 3.8 | 76 | 4.8 | 25.2 | N | 7 | 0 | NA | NA | 4 | 0 | NA | NA |

Please refer to RFI reports for further details

* Thallium values are subject to revision pending results of basewide study of thallium in groundwater

** "twice the mean" approach was used for statistical analysis

*** Arithmetic mean was calculated using one-half of SQL for nondetects.

N = Nonparametric UTL

NA = Data not available

NOC = No UTL calculated (NDs > 90%)

ND = Not detected

P = Parametric UTL

**Appendix D4**

Deep Groundwater Background Point Concentration Estimates Using Statistical Procedures (Summarized from Zone-Specific RFI Reports)

*Charleston Naval Complex*

| Chemical | ZONE A** | | | ZONE C** | | | ZONE D | | | ZONE E | | | | ZONE F** | | | ZONE G** | | | ZONE I | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | Test Type | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | n | Mean | UTL (µg/L) | Test Type |
| **Aluminum** | 3 | 122.4 | 245 | 8 | 11.1 | 22.2 | NA | NA | NA | 100 | 27.2 | 319 | N | 4 | 38.85 | 77.7 | 4 | 11.75 | 23.5 | 76 | 24.7 | 180 | N |
| **Antimony** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | 1.95 | 3.9 | 76 | — | NOC | NA |
| **Arsenic** | 3 | 5.33 | 11.1 | 8 | ND | ND | 1 | NA | 8.4 | 100 | 9.7 | 16.4 | N | 4 | 8.1 | 16.2 | 4 | 2.7 | 5.4 | 76 | 3.1 | 14.2 | N |
| **Barium** | 3 | 93.8 | 179 | 8 | 26.1 | 52.2 | 1 | NA | 31.8 | 100 | 86.7 | 218 | P | 4 | 100 | 200 | 4 | 158 | 316 | 72 | 100 | 347 | P |
| **Beryllium** | 3 | ND | ND | 8 | 0.16 | 0.32 | NA | NA | NA | 100 | 0.44 | 1.2 | N | 4 | 0.23 | 0.46 | 4 | ND | ND | 76 | 0.5 | 1.2 | N |
| **Cadmium** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | 0.385 | 0.77 | 4 | ND | ND | 76 | — | NOC | NA |
| **Chromium** | 3 | 3.8 | 7.3 | 8 | ND | ND | NA | NA | NA | 100 | 1.5 | 15.5 | N | 4 | 0.655 | 1.31 | 4 | 1.185 | 2.37 | 75 | 1.7 | 6.7 | N |
| **Cobalt** | 3 | 6 | 12.1 | 8 | ND | ND | NA | NA | NA | 100 | 1.9 | 12.9 | N | 4 | 33.5 | 67 | 4 | 5.3 | 10.6 | 76 | 1 | 2.3 | N |
| **Copper** | 3 | 2.9 | 5.8 | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | ND | ND | 75 | — | NOC | NA |
| **Lead** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | ND | ND | 74 | — | NOC | NA |
| **Manganese** | 3 | 1393 | 22690 | 8 | 73.5 | 147 | 1 | NA | 320 | 100 | 302 | 869 | P | 4 | 630 | 1,260 | 4 | 268.5 | 537 | 75 | 104 | 261 | N |
| **Mercury** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | 0.08 | 0.2 | N | 4 | ND | ND | 4 | ND | ND | 76 | — | NOC | NA |
| **Nickel** | 3 | 10.6 | 21.1 | 8 | ND | ND | NA | NA | NA | 100 | 4.4 | 42.2 | N | 4 | 30.55 | 61.1 | 4 | 10.85 | 21.7 | 75 | 1.8 | 6.8 | N |
| **Selenium** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | ND | ND | 4 | ND | ND | 76 | ND | ND | NA |
| **Silver** | 3 | ND | ND | 8 | ND | ND | NA | NA | NA | 100 | NOC | NOC | NA | 4 | 1.35 | 2.7 | 4 | 1.45 | 2.9 | 76 | ND | ND | NA |
| **Thallium*** | 3 | 82.5 | 2 | 8 | ND | ND | NA | NA | NA | 100 | 2.4 | 6.5 | N | 4 | 4.09 | 8.18 | 4 | ND | ND | 75 | 2.8 | 7.1 | N |
| **Tin** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 76 | 31.9 | 347 | N |
| **Vanadium** | 3 | 5.43 | 10.9 | 8 | 0.27 | 0.54 | NA | NA | NA | 100 | 1.5 | 5.3 | N | 4 | 0.565 | 1.13 | 4 | ND | ND | 76 | 2.6 | 15.7 | N |
| **Zinc** | 3 | 33.1 | 66.2 | 8 | ND | ND | NA | NA | NA | 100 | 4.1 | 11.8 | N | 4 | ND | ND | 4 | 8.1 | 16.2 | 74 | 4.6 | 22.1 | N |
| **Cyanide** | 3 | 0.026 | 0.05 | 8 | ND | ND | NA | NA | NA | 100 | 5.5 | 37.3 | N | 4 | 2.15 | 4.3 | 4 | ND | ND | 75 | 5.4 | 27.2 | N |

Please refer to RFI reports for further details

* Thallium values are subject to revision pending results of basewide study of thallium in groundwater

** "twice the mean" approach was used for statistical analysis

N = Nonparametric UTL

NOC = No UTL calculated (NDs > 90%)

ND = Not detected

P = Parametric UTL