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TABLE 2-10
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 4
ALAMEDA POINT
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Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	59	59	3	0.7	7	4.6	2	2
1,1,2-Trichloroethane	59	59	7	0.6	65	19.3	2	2
1,1-Dichloroethane	59	59	17	0.3	410	68.7	0.5	5
1,1-Dichloroethene	59	59	23	0.4	4000	359.5	2	40
1,2-Dichlorobenzene	59	59	18	0.3	100	21.9	2	40
1,2-Dichloroethane	59	59	12	0.4	96	24.1	0.5	10
1,2-Dichloroethene (total)	59	59	27	0.4	5200	378.8	2	50
1,3-Dichlorobenzene	59	59	1	1	1	1	2	2
1,4-Dichlorobenzene	59	59	16	0.3	30	4.9	2	40
2-Butanone	59	59	4	2	5	3.3	2	2
4-Methyl-2-Pentanone	59	59	2	0.7	23	11.9	2	2
Acetone	59	59	2	21	24	22.5	3	3
Benzene	59	59	6	0.3	1	0.6	0.5	0.5
Bromodichloromethane	59	59	7	0.9	10	3.6	2	10
Carbon Disulfide	59	59	7	0.5	2	1.3	2	2
Chlorobenzene	59	59	13	0.5	20	3.5	2	2
Chloroethane	59	59	3	0.4	59	20.5	2	2
Chloroform	59	59	4	0.4	3	1.9	2	2
Ethylbenzene	59	59	1	0.3	0.3	0.3	2	2
Methyl Tert-butyl Ether	59	59	3	0.3	0.5	0.37	5	5
Tetrachloroethene	59	59	5	0.4	2	0.84	2	10
Toluene	59	59	8	0.4	3	1.19	2	2
Trichloroethene	59	59	33	0.4	19000	1503	2	50
Vinyl Chloride	59	59	23	0.3	1400	108.4	0.5	13
Xylene (total)	59	59	8	0.4	2	0.83	2	2
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	165	165	5	2.7	56	15.40	1	20
1,1,2-Trichloroethane	165	165	24	1.2	260	49.4	1	100
1,1-Dichloroethane	165	165	49	0.5	2900	265.1	0.5	100

TABLE 2-10
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 4
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Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethene	165	165	62	1.1	20000	1517	0.5	100
1,2-Dichlorobenzene	165	165	19	0.7	160	57.3	0.5	25
1,2-Dichloroethane	165	165	34	0.6	350	49.2	0.5	100
1,3-Dichlorobenzene	165	165	4	1	3.8	1.80	1	1
1,4-Dichlorobenzene	165	165	9	1.6	41	23.87	1	20
Benzene	165	165	11	0.6	7.2	1.46	1	10
Carbon Disulfide	30	30	13	0.7	3.1	1.59	0.5	0.5
Chlorobenzene	165	165	13	1.1	26	4.49	1	10
Chloroethane	165	165	4	1.3	160	42.4	1	1
cis-1,2-Dichloroethene	165	165	59	0.5	860	77.6	0.5	100
meta- and para-Xylene	165	165	20	1.2	5.9	2.33	1	1
Naphthalene	165	165	6	21	1700	354.8	1	200
ortho-Xylene	165	165	4	1.1	2.6	1.70	1	1
Tetrachloroethene	165	165	7	1.5	13	3.80	1	1
Toluene	165	165	30	1	6.2	2.97	1	1
trans-1,2-Dichloroethene	165	165	28	1	130	35.6	1	100
Trichloroethene	165	165	61	0.8	15000	1654	0.5	42
Vinyl Chloride	165	165	36	0.5	360	33.3	0.5	25
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	17	17	8	0.04	0.99	0.324	0.05	0.05
TPPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Gasoline Range Organics	15	15	8	120	67000	9124	50	50
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	18	18	8	0.2	3.95	1.059	0.1	0.1
Motor Oil Range Organics	18	18	7	0.2	0.87	0.426	0.1	0.1

TABLE 2-10
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 4
ALAMEDA POINT
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Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TEPH in Water (low level)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Diesel Range Organics	7	7	1	240	240	240	200	200
JP-5	5	5	5	1700	280000	60500	250	250
Motor Oil Range Organics	7	7	1	510	510	510	200	200
PAH in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Fluoranthene	17	17	1	0.1	0.1	0.1	0.2	0.2
Pyrene	17	17	2	0.2	0.41	0.305	0.2	0.2
SVOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,2-Dichlorobenzene	17	17	6	3	55	33.5	5	5
1,4-Dichlorobenzene	17	17	4	3	12	7	5	5
Bis(2-ethylhexyl)phthalate	17	17	1	3	3	3	4	4
Total Metals in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Cadmium	7	7	3	0.27	3.4	1.35	0.25	0.25
Chromium	6	6	5	1.8	26.6	12.32	0.13	0.13
Other Chemicals in Water								
pH	7	7	7	5.99	8.77	7.55	0.1	0.1
TEPH in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Motor Oil Range Organics	1	1	1	350	350	350	120	120
TEPH in Soil (low range)				**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Diesel Range Organics	1	1	1	19000	19000	19000	10000	10000
Motor Oil Range Organics	1	1	1	180000	180000	180000	10000	10000
Total Metal in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Cadmium	10	10	3	1.0	6.3	2.8	0.015	0.015
Chromium	7	7	7	26.1	191	65.6	0.0073	0.03

TABLE 2-10
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 4
ALAMEDA POINT
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Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
Total Metal in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Chromium (VI)	7	7	2	0.20	0.22	0.21	0.056	0.057
Physical Properties of Soil				**%**	**%**	**%**	**%**	**%**
Percent Moisture	11	11	11	3.7	17.1	11.41	0	0
pH	10	10	10	6.46	9.30	7.70	0.1	0.1
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	16	16	10	0.044	14.773	4.653	0.001	0.002
Methane	16	16	1	82.556	82.556	82.556	0.001	0.001
Nitrogen	16	16	16	2.22	84.81	74.08	0.01	0.01
Oxygen	16	16	16	0.45	22.55	17.86	0.01	0.01
D-1945H Compounds in Soil Gas				**ppmv**	**ppmv**	**ppmv**	**ppmv**	**ppmv**
Ethane	16	16	1	1.4	1.4	1.4	1	1
I-Butane	16	16	1	4.0	4.0	4	1	1
I-Pentane	16	16	1	1118.0	1118.0	1118	1	1
N-Butane	16	16	1	62.7	62.7	62.7	1	1
NMOC (C_{6+})	16	16	1	2017.0	2017.0	2017	10	10
N-Pentane	16	16	1	1.8	1.8	1.8	1	1
Propane	16	16	1	1.7	1.7	1.7	1	1
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
1,1,1-Trichloroethane	16	16	3	66.30	192.21	124.0	31.13	68.73
1,1-Dichloroethene	16	16	1	33.18	33.18	33.18	26	26
Benzene	16	16	9	2.25	132730.26	14777.94	1.05	811.45
Chloromethane	16	16	3	1.79	29.45	11.06	0.68	12.37
cis-1,2-Dichloroethene	14	14	3	31.48	2433.55	898.52	12.49	49.94
Ethylbenzene	16	16	8	3.11	51372.59	6503.10	1.42	1102.95
meta- and para-Xylene	16	16	11	11.82	244802.52	22579.73	1.42	1102.95

TABLE 2-10
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 4
ALAMEDA POINT
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Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
ortho-Xylene	16	16	7	3.15	326.20	114.63	1.42	54.7
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
Toluene	16	16	14	7.33	1254.81	307.20	1.24	85.6
trans-1,2-Dichloroethene	14	14	2	51.38	197.53	124.46	26	49.94
Trichloroethene	16	16	4	56.04	2375.64	882.03	16.92	67.69

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
D-1945H	ASTM Method D-1945H for Volatile Hydrocarbons in Air (ASTM 2000)
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
NMOC (C_{6+})	Non methane organic compounds, carbon range 6 and above
PAH	Polycyclic aromatic hydrocarbon
ppmv	Part per million volume
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/kg	Microgram per kilogram
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-11
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 5
ALAMEDA POINT
(Page 1 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	45	45	15	0.4	28000	1947	2	500
1,1-Dichloroethane	45	45	32	0.4	17000	1274	0.5	130
1,1-Dichloroethene	45	45	20	0.6	11000	673	2	500
1,2-Dichlorobenzene	45	45	10	0.3	9	3.08	2	2
1,2-Dichloroethane	45	45	7	0.3	420	65.3	0.5	130
1,2-Dichloroethene (total)	45	45	32	0.5	930	49.4	2	500
1,2-Dichloropropane	45	45	2	0.5	0.6	0.55	2	2
1,3-Dichlorobenzene	45	45	1	0.4	0.4	0.4	2	2
1,4-Dichlorobenzene	45	45	6	0.4	4	1.48	2	2
2-Butanone	45	45	5	6	43	18.6	2	2
2-Hexanone	45	45	1	180	180	180	500	500
4-Methyl-2-Pentanone	45	45	2	0.4	0.5	0.45	2	2
Benzene	45	45	22	0.3	20	3.4	0.5	3
Bromodichloromethane	45	45	1	4	4	4	2	2
Carbon Disulfide	45	45	6	0.3	1	0.55	2	2
Chlorobenzene	45	45	3	0.6	2	1.53	2	2
Chloroethane	45	45	20	0.4	1500	238.6	2	500
Chloroform	45	45	8	0.3	7	2.40	2	2
Chloromethane	45	45	1	0.4	0.4	0.4	2	2
Ethylbenzene	45	45	5	0.3	0.7	0.50	2	2
Methyl Tert-butyl Ether	45	45	4	0.3	2	0.85	5	5
Styrene	45	45	1	0.3	0.3	0.3	2	2
Tetrachloroethene	45	45	14	0.4	24	2.5	2	2
Toluene	45	45	18	0.4	130	8.8	2	500
Trichloroethene	45	45	22	0.4	1700	97.4	2	500
Vinyl Chloride	45	45	29	0.4	540	48.1	0.5	130
Xylene (total)	45	45	12	0.3	2	1.11	2	2
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	60	60	2	10	27	18.50	1	1

TABLE 2-11
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 5
ALAMEDA POINT
(Page 2 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water (field lab)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,1-Dichloroethane	60	60	27	0.6	490	25.9	0.5	1
1,1-Dichloroethene	60	60	8	0.9	8.6	3.88	0.5	1
1,2,4-Trimethylbenzene	12	12	1	5000	5000	5000	5000	5000
1,2-Dichlorobenzene	60	60	11	1.3	32	8.32	0.5	1
1,2-Dichloroethane	60	60	1	2	2	2	1	1
1,4-Dichlorobenzene	60	60	3	0.6	1.9	1.30	0.5	1
Benzene	60	60	25	0.5	6.5	2.15	0.5	1
Chlorobenzene	60	60	9	1	15	5.18	0.5	1
Chloroethane	60	60	6	2	17	5.95	1	1
cis-1,2-Dichloroethene	60	60	20	0.8	70	12.96	0.5	8.3
Ethylbenzene	60	60	3	1	1.1	1.07	1	1
Isopropylbenzene	12	12	1	5000	5000	5000	5000	5000
meta- and para-Xylene	59	59	18	0.7	5.3	2.09	0.5	1
Naphthalene	60	60	2	3.2	11000	5502	1	5000
ortho-Xylene	59	59	4	1.2	1.9	1.65	1	1
para-Isopropyl Toluene	12	12	1	7000	7000	7000	5000	5000
sec-Butylbenzene	12	12	1	6000	6000	6000	5000	5000
Tetrachloroethene	60	60	1	2.1	2.1	2.1	1	1
Toluene	60	60	27	1.1	8.9	3.03	0.5	1
trans-1,2-Dichloroethene	60	60	20	1.1	18	5.88	0.5	5
Trichloroethene	60	60	10	1.0	150	25.04	0.5	2.5
Vinyl Chloride	60	60	20	0.6	970	122.0	0.5	130
Xylene (total)	1	1	1	13000	13000	13000	5000	5000
TPPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Gasoline Range Organics	19	19	5	0.03	486000	97200	0.05	10000
TPPH in Water (low level)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Gasoline Range Organics	8	8	1	110	110	110	50	50

TABLE 2-11
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 5
ALAMEDA POINT
(Page 3 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	18	18	9	0.2	0.34	0.23	0.1	0.1
Motor Oil Range Organics	18	18	4	0.1	0.74	0.33	0.1	0.1
TEPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Diesel Range Organics	8	8	1	670	670	670	200	200
Total Metals in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Cadmium	7	7	5	7.8	189	48.6	0.25	0.25
Chromium	7	7	7	2.7	138	59.5	0.13	0.13
SVOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,2-Dichlorobenzene	16	16	1	5	5	5	5	5
Cyanide in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Cyanide	7	7	3	130	480	260	50	50
Total Metals in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Cadmium	22	22	8	0.83	266	62.7	0.054	0.061
Physical Properties of Soil				%	%	%	%	%
Percent Moisture	22	22	22	2.4	18.6	12.44	0	0
D-1945 Compounds in Soil Gas				%	%	%	%	%
Carbon Dioxide	19	19	17	0.044	3.244	1.116	0.001	0.002
Nitrogen	19	19	19	77.45	79.00	78.08	0.01	0.01
Oxygen	19	19	19	17.76	22.55	20.93	0.01	0.01
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	19	19	18	32.63	13284.88	4561.31	16.76	69.86

TABLE 2-11
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 5
ALAMEDA POINT
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Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1-Dichloroethane	19	19	17	20.56	14168.19	3482.09	12.54	51.82
1,1-Dichloroethene	19	19	13	17.15	6744.18	2366.87	12.38	50.76
1,2-Dichloroethane	19	19	3	17.70	213.82	130.15	12.54	14.42
Benzene	19	19	13	14.20	72.63	40.59	9.9	40.24
Chloroethane	19	19	5	45.95	137.71	86.68	16.21	33.79
cis-1,2-Dichloroethene	19	19	9	23.0	1727.43	462.10	12.18	50.76
Ethylbenzene	19	19	9	19.90	309.37	97.73	13.45	28.92
meta- and para-Xylene	19	19	18	18.59	1928.65	321.58	13.34	55.6
ortho-Xylene	19	19	9	21.43	523.12	142.91	13.45	28.92
Tetrachloroethene	19	19	13	22.43	3024.52	638.05	21.14	87.36
Toluene	19	19	19	70.23	2984.16	544.62	11.58	48.25
Trichloroethene	19	19	19	42.88	6668.09	2009.62	16.51	68.8

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-12
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 6
ALAMEDA POINT
(Page 1 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	9	9	5	0.3	2	0.90	0.5	0.5
1,1-Dichloroethene	9	9	2	0.7	2	1.35	2	2
1,2-Dichloroethene (total)	9	9	7	1	24	11.14	2	2
1,4-Dichlorobenzene	9	9	1	0.4	0.4	0.4	2	2
Benzene	9	9	1	0.8	0.8	0.8	0.5	0.5
Bromoform	9	9	1	1	1	1	2	2
Carbon Disulfide	9	9	3	0.3	0.7	0.53	2	2
Chloroform	9	9	2	2	9	5.50	2	2
Ethylbenzene	9	9	1	1	1	1	2	2
Tetrachloroethene	9	9	2	0.4	2	1.20	2	2
Toluene	9	9	2	2	10	6	2	2
Trichloroethene	9	9	5	0.3	8	3.66	2	2
Vinyl Chloride	9	9	4	0.8	5	2.45	0.5	0.5
Xylene (total)	9	9	2	0.7	6	3.35	2	2
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	42	42	8	0.5	370	48.5	1	1
1,1-Dichloroethene	42	42	3	3	3.6	3.23	1	1
1,2-Dichloroethane	42	42	2	0.8	1.8	1.30	1	1
Benzene	42	42	3	0.6	0.9	0.77	1	1
Chloroethane	42	42	2	4.7	100	52.4	1	1
cis-1,2-Dichloroethene	42	42	16	1.9	64	21.04	1	1
Ethylbenzene	42	42	1	1.2	1.2	1.2	1	1
meta- and para-Xylene	42	42	20	1.1	5.8	1.86	1	1
Methyl Tert-butyl Ether	42	42	1	1	1	1	1	1
ortho-Xylene	42	42	3	1	2.1	1.43	1	1
Tetrachloroethene	42	42	6	2.8	38	12.48	1	1
Toluene	42	42	32	1.1	9.2	2.19	1	1

TABLE 2-12
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 6
ALAMEDA POINT
(Page 2 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water (field lab)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
trans-1,2-Dichloroethene	42	42	8	1.5	14	5.64	1	1
Trichloroethene	42	42	10	2.6	50	12.41	1	1
Vinyl Chloride	42	42	10	0.6	72	14.49	1	1
TPPH in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Gasoline Range Organics	21	21	4	52	170	98.3	50	50
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Diesel Range Organics	7	7	1	0.06	0.06	0.06	0.1	0.1
Motor Oil Range Organics	7	7	1	0.33	0.33	0.33	0.1	0.1
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	4	4	2	0.408	1.649	1.029	0.001	0.001
Nitrogen	4	4	4	77.76	78.63	78.02	0.01	0.01
Oxygen	4	4	4	19.72	22.24	21.47	0.01	0.01
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
1,1,1-Trichloroethane	4	4	1	28.91	28.91	28.91	17.46	17.46
Benzene	4	4	4	2.28	40.48	18.00	1.04	20.78
Chloromethane	4	4	1	1.01	1.01	1.01	0.69	0.69
cis-1,2-Dichloroethene	4	4	1	22.53	22.53	22.53	12.69	12.69
Ethylbenzene	4	4	3	3.48	44.07	26.24	1.41	28.25
meta- and para-Xylene	4	4	4	5.13	236.73	101.04	1.41	28.25
ortho-Xylene	4	4	3	2.65	51.62	27.77	1.41	28.25
Tetrachloroethene	4	4	4	17.02	6103.94	1708.99	2.22	44.38
Toluene	4	4	4	11.70	540.98	234.34	1.23	24.51
Trichloroethene	4	4	3	3.04	922.30	413.53	1.75	34.96

TABLE 2-12
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 6
ALAMEDA POINT
(Page 3 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
mg/L	Milligram per liter
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-13
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 8
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
Total Metals in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Chromium	1	1	1	192	192	192	0.027	0.027
Physical Properties of Soil				**%**	**%**	**%**	**%**	**%**
Percent Moisture	1	1	1	2.4	2.4	2.4	0	0
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	2	2	2	0.145	1.586	0.866	0.001	0.001
Nitrogen	2	2	2	77.20	78.11	77.66	0.01	0.01
Oxygen	2	2	2	20.30	22.66	21.48	0.01	0.01
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
meta- and para-Xylene	2	2	2	33.82	37.15	35.49	13.9	28.69
Toluene	2	2	2	27.83	28.49	28.16	12.06	24.9

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
mg/kg	Milligram per kilogram
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
ug/m^3	Microgram per cubic meter

TABLE 2-14
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 9
ALAMEDA POINT
(Page 1 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	13	13	2	0.7	2	1.35	2	2
1,1-Dichloroethane	13	13	3	0.8	2	1.27	0.5	0.5
1,1-Dichloroethene	13	13	1	1	1	1	2	2
1,2-Dichlorobenzene	13	13	1	0.8	0.8	0.8	2	2
1,2-Dichloroethene (total)	13	13	3	3	21	9.7	2	2
1,4-Dichlorobenzene	13	13	1	0.5	0.5	0.5	2	2
Benzene	13	13	2	0.9	2	1.45	0.5	0.5
Carbon Disulfide	13	13	2	0.3	0.4	0.35	2	2
Chlorobenzene	13	13	3	0.4	0.6	0.5	2	2
Chloroethane	13	13	1	5	5	5	2	2
Ethylbenzene	13	13	2	0.3	0.7	0.5	2	2
Methyl Tert-butyl Ether	13	13	1	20	20	20	5	5
Tetrachloroethene	13	13	1	3	3	3	2	2
Toluene	13	13	1	5	5	5	2	2
Trichloroethene	13	13	3	0.7	2	1.17	2	2
Vinyl Chloride	13	13	3	0.5	10	3.67	0.5	0.5
Xylene (total)	13	13	1	2	2	2	2	2
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	41	41	15	0.5	1200	132.9	1	5
1,1-Dichloroethene	41	41	9	1.2	23	5.26	1	1
1,2-Dichloroethane	41	41	1	0.7	0.7	0.7	1	1
Benzene	41	41	4	0.9	1.7	1.3	1	1
Chloroethane	41	41	1	2.7	2.7	2.7	1	1
cis-1,2-Dichloroethene	41	41	6	1	24	9.18	1	1
Ethylbenzene	41	41	1	55	55	55	1	1
meta- and para-Xylene	41	41	4	1	210	54.3	1	1
Methyl Tert-butyl Ether	41	41	2	6.8	40	23.4	1	1
Naphthalene	41	41	2	3.5	140	71.8	1	1
ortho-Xylene	41	41	2	1.4	83	42.2	1	1
Toluene	41	41	4	1	20	7.23	1	1

TABLE 2-14
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 9
ALAMEDA POINT
(Page 2 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
Vinyl Chloride	41	41	8	0.6	11	3.31	1	1
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	7	7	4	0.04	0.09	0.06	0.05	0.05
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	7	7	1	0.83	0.83	0.83	0.1	0.1
Motor Oil Range Organics	7	7	1	0.1	0.1	0.1	0.1	0.1
PAH in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Anthracene	34	34	5	0.1	0.42	0.20	0.2	0.2
Benz(A)anthracene	34	34	9	0.1	2.4	0.58	0.2	0.2
Benzo(A)pyrene	34	34	12	0.1	2.5	0.51	0.2	0.2
Benzo(B)fluoranthene	34	34	7	0.2	1.5	0.48	0.2	0.2
Benzo(G,H,I)perylene	34	34	10	0.2	2.1	0.57	0.2	0.2
Benzo(K)fluoranthene	34	34	3	0.1	0.56	0.287	0.2	0.2
Chrysene	34	34	7	0.2	1.4	0.53	0.2	0.2
Dibenz(A,H)anthracene	34	34	9	0.3	2.1	0.86	0.5	0.5
Fluoranthene	34	34	12	0.2	3.3	0.84	0.2	0.25
Indeno(1,2,3-CD)pyrene	34	34	8	0.1	1.6	0.47	0.2	0.2
Naphthalene	34	34	1	64	64	64	5	5
Phenanthrene	34	34	5	0.5	2	0.94	1	1
Pyrene	34	34	14	0.2	5.27	1.23	0.2	0.25
SVOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
2,4-Dimethylphenol	34	31	1	40	40	40	10	10
Naphthalene	34	31	1	85	85	85	10	10
Phenol	34	31	1	59	59	59	10	10
D-1945 Compounds in Soil Gas				%	%	%	%	%
Carbon Dioxide	2	2	2	0.040	2.091	$1.066	0.001	0.001
Nitrogen	2	2	2	77.61	78.10	77.86	0.01	0.01

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TABLE 2-14
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 9
ALAMEDA POINT
(Page 3 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
D-1945 Compounds in Soil Gas				%	%	%	%	%
Oxygen	2	2	2	19.81	22.35	21.08	0.01	0.01
D-1945H Compounds in Soil Gas				ppmv	ppmv	ppmv	ppmv	ppmv
NMOC (C_{6+})	2	2	2	53.5	300.8	177.2	10	10
n-Pentane	2	2	2	1.1	1.5	1.3	1	1
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,2-Trichloroethane	2	2	1	593.13	593.13	593.13	73.24	73.24
1,1-Dichloroethane	2	2	1	78.44	78.44	78.44	54.33	54.33
Benzene	2	2	2	122.88	1201.5	662.19	40.9	42.88
Ethylbenzene	2	2	2	308.88	5891.73	3100.305	55.6	58.29
meta- and para-Xylene	2	2	2	1077.17	26795.49	13936.33	55.6	58.29
ortho-Xylene	2	2	2	181.97	5262.49	2722.23	55.6	58.29
Toluene	2	2	2	487.39	8785.93	4636.66	48.25	50.58

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
D-1945H	ASTM Method D-1945H for Volatile Hydrocarbons in Air (ASTM 2000)
mg/L	Milligram per liter
NMOC (C_{6+})	Non methane organic compounds, carbon range 6 and above
PAH	Polycyclic aromatic hydrocarbon
ppmv	Part per million volume
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-15
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 10
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	5	5	1	7	7	7	0.5	0.5
1,2-Dichloropropane	5	5	2	0.4	1	0.7	2	2
Bromodichlromethane	5	5	1	0.3	0.3	0.3	2	2
Chloroform	5	5	1	17	17	17	2	2
Toluene	5	5	1	1	1	1	2	2
Xylene (total)	5	5	1	0.5	0.5	0.5	2	2
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	11	11	2	2.2	2.4	2.3	1	1
meta- and para-Xylene	11	11	6	1.2	2.4	1.83	1	1
Toluene	11	11	7	1.7	4.4	3.04	1	1
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	5	5	3	0.03	0.19	0.08	0.05	0.05
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	4	4	4	0.20	0.34	0.25	0.1	0.1
SVOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Bis(2-chloroethyl)ether	4	4	1	6	6	6	10	10

Notes:

mg/L	Milligram per liter
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbons
TPPH	Total purgeable petroleum hydrocarbons
ug/L	Microgram per liter
VOC	Volatile organic compound

TABLE 2-16
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 11
ALAMEDA POINT
(Page 1 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	19	19	3	0.4	1	0.63	0.5	0.5
1,1-Dichloroethene	19	19	2	2	6	4	2	2
1,2-Dichloroethene (total)	19	19	7	0.4	1200	182.2	2	2
Acetone	19	19	1	22	22	22	3	3
Benzene	19	19	4	0.4	0.8	0.65	0.5	0.5
Carbon Disulfide	19	19	6	0.3	2	0.65	2	2
Chloroethane	19	19	1	0.9	0.9	0.9	2	2
Methyl Tert-butyl Ether	19	19	1	0.3	0.3	0.3	5	5
Toluene	19	19	2	0.3	0.7	0.5	2	2
Trichloroethene	19	19	7	0.4	460	68.6	2	2
Vinyl Chloride	19	19	7	1	56	9.6	0.5	0.5
Xylene (total)	19	19	1	0.4	0.4	0.4	2	2
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	19	19	1	8.9	8.9	8.9	1	1
1,1,2-Trichloroethane	19	19	1	1.6	1.6	1.6	1	1
1,1-Dichloroethane	19	19	4	0.6	2200	557.3	1	20
1,1-Dichloroethene	19	19	3	1.4	1400	468.0	1	1
Benzene	19	19	1	1.9	1.9	1.9	1	1
Chloroethane	19	19	1	560	560	560	20	20
cis-1,2-Dichloroethene	19	19	4	2.1	41	22.3	1	1
meta- and para-Xylene	19	19	1	1.7	1.7	1.7	1	1
Napthalene	19	19	1	3.4	3.4	3.4	1	1
Tetrachloroethene	19	19	1	3.6	3.6	3.6	1	1
Toluene	19	19	4	1.1	3.1	1.7	1	1
trans-1,2-Dichloroethene	19	19	2	3.8	11	7.4	1	1
Trichloroethene	19	19	7	1.2	33000	4806	1	1
Vinyl Chloride	19	19	3	0.7	3.3	1.57	1	1

TABLE 2-16
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 11
ALAMEDA POINT
(Page 2 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
DVOG in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Ethane	24	24	6	2	20	8.1	3	3
Ethene	24	24	5	2	17	6.4	3	3
Methane	24	24	24	4	11000	1054	3	600
TPPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Gasoline Range Organics	8	8	1	0.03	0.03	0.03	0.05	0.05
TPPH in Water (low level)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Gasoline Range Organics	4	4	2	72	76	74	50	50
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Diesel Range Organics	8	8	2	0.41	0.70	0.56	0.1	0.1
Motor Oil Range Organics	8	8	1	0.76	0.76	0.76	0.1	0.1
TEPH in Water (low level)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Diesel Range Organics	4	4	2	480	540	510	200	200
PAH in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Pyrene	7	7	1	0.1	0.1	0.1	0.2	0.2
Other Chemicals in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Suspended Organic Carbon	24	24	11	0.79	6.5	2.03	1	1
Total Organic Carbon (ave)	24	24	21	5.3	37.3	12.96	1	1
Total Organic Carbon (max)	24	24	23	5.5	42.8	14.27	1	1
Total Organic Carbon (min)	24	24	23	2.7	34.1	10.78	1	1
Dissolved Organic Carbon (ave)	24	24	20	4.4	35.7	12.32	1	1
Dissolved Organic Carbon (max)	24	24	22	5.6	37.9	13.14	1	1
Dissolved Organic Carbon (min)	24	24	22	3.1	33.7	10.90	1	1
Nitrate as Nitrogen	24	24	3	6.3	8.4	7.37	0.8	8
Orthophosphate Phosphorus	24	24	10	1.3	11.8	6.82	0.5	5

TABLE 2-16
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 11
ALAMEDA POINT
(Page 3 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
Other Chemicals in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Sulfate	24	24	23	3.3	3810	1480	2.5	200
TEPH in Soil				**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Diesel Range Organics	1	1	1	18000	18000	18000	10000	10000

Notes:

DVOG	Dissolved volatile organic gases
mg/L	Milligram per liter
PAH	Polycyclic aromatic hydrocarbon
TEPH	Total extractable petroleum hydrocarbon
TPPH	Total prugeable petroleum hydrocarbon
ug/kg	Microgram per kilogram
ug/L	Microgram per liter
VOC	Volatile organic compound

TABLE 2-17
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 12
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,1-Dichloroethane	5	5	1	2	2	2	0.5	0.5
Tetrachloroethene	5	5	1	2	2	2	2	2
Trichloroethene	5	5	2	0.4	0.4	0.4	2	2
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Diesel Range Organics	5	5	1	0.24	0.24	0.24	0.1	0.1
Motor Oil Range Organics	5	5	3	0.2	0.41	0.29	0.1	0.1

Notes:

ug/L Microgram per liter
mg/L Milligram per liter
TEPH Total extractable petroleum hydrocarbon
VOC Volatile organic compound

TABLE 2-18
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 13
ALAMEDA POINT
(Page 1 of 2)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,2-Dichlorobenzene	12	12	1	0.4	0.4	0.4	2	2
1,4-Dichlorobenzene	12	12	1	0.4	0.4	0.4	2	2
Carbon Disulfide	12	12	1	0.5	0.5	0.5	2	2
Chlorobenzene	12	12	1	0.6	0.6	0.6	2	2
Trichloroethene	12	12	1	0.6	0.6	0.6	2	2
Xylene (total)	12	12	1	0.3	0.3	0.3	2	2
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	12	12	2	0.15	0.39	0.27	0.05	0.05
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	12	12	3	0.75	4.47	3.113333	0.1	0.1
Motor Oil Range Organics	12	12	4	0.47	1.9	0.9075	0.1	0.1
TEPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Motor Oil Range Organics	2	2	1	1300	1300	1300	200	200
PAH in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Acenaphthene	12	12	1	61	61	61	25	25
Benzo(G,H,I)perylene	12	12	1	0.63	0.63	0.63	0.2	0.2
Chrysene	12	12	1	0.48	0.48	0.48	0.2	0.2
Dibenz(A,H)anthracene	12	12	1	0.5	0.5	0.5	0.5	0.5
Fluoranthene	12	12	1	0.2	0.2	0.2	0.2	0.2
Naphthalene	12	12	1	60	60	60	25	25
Pyrene	12	12	1	0.1	0.1	0.1	0.2	0.2
SVOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
2-Methylnaphthalene	13	13	1	41	41	41	10	10
Naphthalene	13	13	1	89	89	89	10	10

TABLE 2-18
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 13
ALAMEDA POINT
(Page 2 of 2)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
D-1945 Compounds in Soil Gas				%	%	%	%	%
Carbon Dioxide	2	2	2	3.416	5.807	4.6115	0.001	0.001
Methane	2	2	1	17.891	17.891	17.891	0.001	0.001
Nitrogen	2	2	2	66.22	78.58	72.4	0.01	0.01
Oxygen	2	2	2	10.08	18.00	14.04	0.01	0.01
D-1945H Compounds in Soil Gas				ppmv	ppmv	ppmv	ppmv	ppmv
NMOC (C_{6+})	2	2	1	95.5	95.5	95.5	10	10
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,2,2-Tetrachloroethane	2	2	1	70.79	70.79	70.79	23.04	23.04
1,1,2-Trichloroethane	2	2	1	222.67	222.67	222.67	18.31	18.31
1,2-Dichloroethane	2	2	1	27.61	27.61	27.61	13.58	13.58
Benzene	2	2	2	30.72	52.00	41.36	10.39	10.72
Ethylbenzene	2	2	2	17.91	48.27	33.09	14.12	14.57
meta- and para-Xylene	2	2	2	74.56	209.61	142.085	14.12	14.57
ortho-Xylene	2	2	2	14.75	35.62	25.185	14.12	14.57
Tetrachloroethene	2	2	2	28.83	33.86	31.345	22.19	22.9
Toluene	2	2	2	304.82	938.15	621.485	12.26	12.65

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
D-1945H	ASTM Method D-1945H for Volatile Hydrocarbons in Air (ASTM 2000)
NMOC (C_{6+})	Non methane organic compounds, carbon range 6 and higher
mg/L	Milligram per liter
PAH	Polycyclic aromatic hydrocarbon
ppmv	Part per million volume
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-19
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 14
ALAMEDA POINT
(Page 1 of 5)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,1-Dichloroethane	14	14	3	5	210	82.7	0.5	25
1,2-Dichloroethene (total)	14	14	6	0.9	760	131.15	2	100
Benzene	14	14	2	0.4	1	0.7	0.5	0.5
Carbon Disulfide	14	14	2	0.3	0.5	0.4	2	2
Chlorobenzene	14	14	1	0.3	0.3	0.3	2	2
Ethylbenzene	14	14	1	0.3	0.3	0.3	2	2
Toluene	14	14	3	1	35	13	2	100
Vinyl Chloride	14	14	3	32	790	314	0.5	25
Xylene (total)	14	14	3	0.6	22	8.2	2	100
VOC in Water (field lab)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,1-Dichloroethane	19	19	4	1.8	29	9.8	1	1
Benzene	19	19	1	0.8	0.8	0.8	1	1
cis-1,2-Dichloroethene	19	19	11	1.3	24	7.5	1	1
Ethylbenzene	19	19	1	1.3	1.3	1.3	1	1
meta- and para-Xylene	19	19	11	1	6.3	2.1	1	1
ortho-Xylene	19	19	1	1.9	1.9	1.9	1	1
Toluene	19	19	13	1	12	2.8	1	1
trans-1,2-Dichloroethene	19	19	1	1.1	1.1	1.1	1	1
Trichloroethene	19	19	3	1.1	2.5	1.8	1	1
Vinyl Chloride	19	19	10	1	130	29.6	1	1
TPPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Gasoline Range Organics	14	14	2	0.03	0.97	0.5	0.05	0.05
TPPH in Water (low level)				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Gasoline Range Organics	19	19	1	69	69	69	50	50
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Diesel Range Organics	13	13	7	0.20	2.37	0.69	0.1	0.1

TABLE 2-19
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 14
ALAMEDA POINT
(Page 2 of 5)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Motor Oil Range Organics	13	13	5	0.1	1.1	0.424	0.1	0.1
Dioxin in Soil				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzodioxin	25	25	21	0.0029	29	2.01933	0.0052	5.6
1,2,3,4,6,7,8-Heptachlorodibenzofuran	25	25	16	0.0030	0.79	0.09899	0.0052	5.6
1,2,3,4,7,8,9-Heptachlorodibenzofuran	25	25	7	0.0046	0.11	0.02290	0.0052	5.3
1,2,3,4,7,8-Hexachlorodibenzodioxin	25	25	10	0.0027	0.28	0.03982	0.0052	5.5
1,2,3,4,7,8-Hexachlorodibenzofuran	25	25	10	0.0031	0.16	0.02662	0.0052	5.3
1,2,3,6,7,8-Hexachlorodibenzodioxin	25	25	13	0.0058	1.0	0.10976	0.0052	5.6
1,2,3,6,7,8-Hexachlorodibenzofuran	25	25	8	0.0045	0.065	0.01373	0.0052	5.3
1,2,3,7,8,9-Hexachlorodibenzodioxin	25	25	13	0.0049	0.97	0.10025	0.0052	5.6
1,2,3,7,8-Pentachlorodibenzodioxin	25	25	8	0.0040	0.24	0.03814	0.0052	5.3
1,2,3,7,8-Pentachlorodibenzofuran	25	25	2	0.0039	0.016	0.00995	0.0061	0.0062
2,3,4,6,7,8-Hexachlorodibenzofuran	25	25	8	0.0028	0.044	0.00990	0.0052	5.3
2,3,4,7,8-Pentachlorodibenzofuran	25	25	6	0.0028	0.018	0.00613	0.0052	5.3
2,3,7,8-Tetrachlorodibenzodioxin	25	25	11	0.00060	0.12	0.01306	0.001	1.1
2,3,7,8-Tetrachlorodibenzofuran	25	25	15	0.00080	0.019	0.00335	0.001	1.1
Octachlorodibenzodioxin	25	25	23	0.017	180	12.15461	0.01	11
Octachlorodibenzofuran	25	25	16	0.0065	1.3	0.18591	0.01	11
TOTAL Heptachlorodibenzodioxin	25	25	23	0.0029	56	3.64735	0.0052	5.6
TOTAL Heptachlorodibenzofuran	25	25	16	0.0091	2.7	0.33158	0.0052	5.6
TOTAL Hexachlorodibenzodioxin	25	25	17	0.0031	7.1	0.60997	0.0052	5.6
TOTAL Hexachlorodibenzofuran	25	25	18	0.0027	1.7	0.17297	0.0052	5.6
TOTAL Pentachlorodibenzodioxin	25	25	9	0.0035	0.81	0.12461	0.0052	5.3
TOTAL Pentachlorodibenzofuran	25	25	18	0.0039	0.40	0.06952	0.0052	5.6
TOTAL Tetrachlorodibenzodioxin	25	25	11	0.0011	0.22	0.02742	0.001	1.1
TOTAL Tetrachlorodibenzofuran	25	25	19	0.00054	0.097	0.02596	0.001	1.1

TABLE 2-19
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 14
ALAMEDA POINT
(Page 3 of 5)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TEPH in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Motor Oil Range Organics	4	4	4	33	120	67	10	12
Total Metals in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	4	4	4	3880	10100	5730	1.9	2.3
Arsenic	4	4	3	1.7	2.6	2.13	0.27	0.32
Barium	4	4	4	29.6	239	87.4	0.14	0.17
Cadmium	4	4	4	0.052	0.14	0.092	0.051	0.062
Calcium	4	4	4	1840	4870	3325	8.5	10.3
Chromium	5	5	5	24.0	101	49.9	0.026	0.032
Cobalt	4	4	4	5.0	12.9	7.5	0.041	0.049
Copper	4	4	3	7.6	13.7	9.93	0.41	0.49
Iron	4	4	4	8030	19600	11498	0.75	0.91
Lead	4	4	4	1.8	12.3	8.5	0.26	0.32
Magnesium	4	4	4	2050	5850	3408	1.1	1.4
Manganese	4	4	4	111	206	139.3	0.11	0.14
Mercurt	4	4	2	0.13	0.16	0.145	0.056	0.068
Nickel	4	4	4	26.3	75.9	41.7	0.045	0.054
Potassium	4	4	4	374	1070	602.8	1.1	1.4
Vanadium	4	4	4	15.0	39.0	24	0.077	0.094
Zinc	4	4	4	16.3	45.5	28.35	0.26	0.32
Physical Properties of Soil				%	%	%	%	%
Percent Moisture	7	7	7	1.8	19.1	6.5	0	0
Percent Moisture (2)	23	23	23	0.82	34.0	10.7	0	0
pH	4	4	4	6.90	7.31	7.15	0.1	0.1
Dioxin in Sediment				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,2,3,4,6,7,8-Heptachlorodibenzodioxin	1	1	1	0.039	0.039	0.039	0.0064	0.0064
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1	1	1	0.0046	0.0046	0.0046	0.0064	0.0064
2,3,7,8-Tetrachlorodibenzofuran	1	1	1	0.00065	0.00065	0.00065	0.0013	0.0013

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TABLE 2-19
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 14
ALAMEDA POINT
(Page 4 of 5)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
Dioxin in Sediment				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Octachlorodibenzodioxin	1	1	1	0.24	0.24	0.24	0.0064	0.0064
Octachlorodibenzofuran	1	1	1	0.0064	0.0064	0.0064	0.013	0.013
TOTAL Heptachlorodibenzodioxin	1	1	1	0.17	0.17	0.17	0.0064	0.0064
TOTAL Heptachlorodibenzofuran	1	1	1	0.010	0.010	0.01	0.0064	0.0064
TOTAL Hexachlorodibenzodioxin	1	1	1	0.013	0.013	0.013	0.0064	0.0064
TOTAL Hexachlorodibenzofuran	1	1	1	0.0077	0.0077	0.0077	0.0064	0.0064
TOTAL Pentachlorodibenzofuran	1	1	1	0.018	0.018	0.018	0.0064	0.0064
TOTAL Tetrachlorodibenzofuran	1	1	1	0.015	0.015	0.015	0.0013	0.0013
TEPH in Sediment				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Motor Oil Range Organics	1	1	1	1800	1800	1800	230	230
Physical Properties of Sediment				%	%	%	%	%
Percent Moisture	1	1	1	13.0	13.0	13	0	0
Percent Moisture (2)	1	1	1	21.8	21.8	21.8	0	0
pH	1	1	1	8.57	8.57	8.57	0.1	0.1
D-1945 Compounds in Soil Gas				%	%	%	%	%
Carbon Dioxide	8	8	8	0.051	2.663	0.89	0.001	0.001
Nitrogen	8	8	8	76.94	78.00	77.41	0.01	0.01
Oxygen	8	8	8	19.53	22.62	21.69	0.01	0.01
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1-Dichloroethane	8	8	1	15.31	15.31	15.31	12.64	12.64
Benzene	8	8	8	10.36	66.55	41.59	9.98	10.72
cis-1,2-1,2-Dichloroethene	8	8	1	13.32	13.32	13.32	12.38	12.38
Ethylbenzene	8	8	7	22.56	188.76	86.70	13.56	14.57
meta- and para-Xylene	8	8	8	53.30	888.87	374.2	13.56	14.57
ortho-Xylene	8	8	8	16.95	186.92	81.67	13.56	14.57

TABLE 2-19
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 14
ALAMEDA POINT
(Page 5 of 5)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Tetrachloroethene	8	8	3	27.71	123.97	61.63	22.02	22.19
Toluene	8	8	8	134.53	1705.31	783.8	11.77	12.65
Trichloroethene	8	8	4	18.02	130.13	67.38	16.78	17.48

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/kg	Microgram per kilogram
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-20
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 15
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
PCBs in Soil				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor-1260	36	36	10	26	870	191	35	200
Total Metals in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Chromium	1	1	1	28.7	28.7	28.7	0.033	0.033
Lead	36	36	36	4.4	233	25.766667	0.17	0.47
Physical Properties of Soil				%	%	%	%	%
Percent Moisture	37	37	37	6.0	50.7	22.067568	0	0

Notes:

%	Percent
mg/kg	Milligram per kilogram
PCB	Polychlorinated biphenyls
ug/kg	Microgram per kilogram

TABLE 2-21
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 16
ALAMEDA POINT
(Page 1 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	45	45	1	3	3	3	2	500
1,1-Dichloroethane	45	45	14	0.4	31	9.36	0.5	130
1,1-Dichloroethene	45	45	6	0.5	2	1.25	2	500
1,2-Dichlorobenzene	45	45	9	0.3	5200	672.7	2	500
1,2-Dichloroethene (total)	45	45	36	0.3	190	38.80	2	500
1,3-Dichlorobenzene	45	45	1	1000	1000	1000.00	2	500
1,4-Dichlorobenzene	45	45	6	6	2700	644.8	2	500
2-Butanone	45	45	1	0.8	0.8	0.8	2	500
Benzene	45	45	10	0.3	4	0.85	0.5	130
Carbon Disulfide	45	45	10	0.4	2	1.06	2	500
Chlorobenzene	45	45	8	0.9	500	90.7	2	500
Chloroethane	45	45	2	0.5	2	1.25	2	500
Ethylbenzene	45	45	1	0.4	0.4	0.4	2	500
Methyl Tert-butyl Ether	45	45	2	0.4	0.5	0.45	5	500
Tetrachloroethene	45	45	5	0.8	35	10.12	2	500
Toluene	45	45	30	0.4	3	1.17	2	500
Trichloroethene	45	45	19	0.3	10	2.51	2	500
Vinyl Chloride	45	45	17	0.3	10	1.89	0.5	130
Xylene (total)	45	45	26	0.3	2	0.77	2	500
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1-Dichloroethane	34	34	2	3.7	8.6	6.15	0.5	0.5
1,1-Dichloroethene	34	34	2	0.5	0.6	0.55	0.5	0.5
1,2-Dichlorobenzene	34	34	20	0.9	13000	1244	0.5	100
1,3-Dichlorobenzene	34	34	9	1.9	700	112.3	0.5	100
1,4-Dichlorobenzene	34	34	13	1	3100	431.4	0.5	100
Benzene	34	34	6	0.8	9.5	2.88	0.5	1
Chlorobenzene	34	34	13	1.2	2700	345.9	0.5	100
cis-1,2-Dichloroethene	34	34	20	0.7	180	31.0	0.5	1
Ethylbenzene	34	34	1	0.5	0.5	0.5	0.5	0.5

TABLE 2-21
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 16
ALAMEDA POINT
(Page 2 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
meta- and para-Xylene	34	34	8	0.5	3.8	1.95	0.5	1
Methyl Tert-butyl Ether	34	34	1	4.2	4.2	4.2	1	1
ortho-Xylene	34	34	2	1.1	1.3	1.2	1	1
Tetrachloroethene	34	34	5	1.6	2.9	2.38	1	1
Toluene	34	34	16	0.6	4.8	2.13	0.5	1
trans-1,2-Dichloroethene	34	34	9	0.6	7.1	2.56	0.5	1
Trichloroethene	34	34	14	0.5	7.1	2.41	0.5	1
Vinyl Chloride	34	34	7	0.7	11	3.2	0.5	1
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	11	11	6	0.03	0.07	0.052	0.05	0.05
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	11	11	1	0.25	0.25	0.25	0.1	0.1
Motor Oil Range Organics	11	11	9	0.1	0.74	0.346	0.1	0.1
TEPH in Water (low range)				ug/L	ug/L	ug/L	ug/L	ug/L
Diesel Range Organics	5	5	1	320	320	320	200	200
Pesticides in Soil				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Alpha-Chlordane	4	4	2	9.1	190	99.6	1.8	10
Gamma-Chlordane	4	4	2	9.6	202	105.8	1.8	10
Physical Properties of Soil				%	%	%	%	%
Percent Moisture	4	4	4	2.9	18.3	10.4	0	0
pH	1	1	1	9.05	9.05	9.05	0.1	0.1

TABLE 2-21
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 16
ALAMEDA POINT
(Page 3 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
D-1945 Compounds in Soil Gas				%	%	%	%	%
Carbon Dioxide	4	4	4	0.199	0.993	0.638	0.001	0.002
Nitrogen	4	4	4	77.46	77.97	77.73	0.01	0.01
Oxygen	4	4	4	21.04	22.26	21.64	0.01	0.01
D-1945H Compounds in Soil Gas				ppmv	ppmv	ppmv	ppmv	ppmv
NMOC (C_{6+})	4	4	3	20.0	74.3	43.63	10	10
n-Pentane	4	4	3	1.2	2.3	1.8	1	1
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Benzene	4	4	4	52.52	86.10	67.65	9.9	12.7
Ethylbenzene	4	4	4	83.25	361.58	235.87	13.45	17.26
meta- and para-Xylene	4	4	4	308.72	1389.32	893.02	13.45	17.26
ortho-Xylene	4	4	4	62.99	329.08	203.70	13.45	17.26
Tetrachloroethene	4	4	1	27.93	27.93	27.93	23.95	23.95
Toluene	4	4	4	263.89	1241.34	662.66	11.67	14.98
Trichloroethene	4	4	2	100.25	170.31	135.28	16.65	16.92

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
D-1945H	ASTM Method D-1945H for Volatile Hydrocarbons in Air (ASTM 2000)
NMOC (C_{6+})	Non methane organic compounds, carbon range 6 and higher
mg/L	Milligram per liter
ppmv	Part per million volume
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/kg	Microgram per kilogram
ug/L	Microgram per liter

TABLE 2-21
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 16
ALAMEDA POINT
(Page 4 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit

ug/m^3 Microgram per cubic meter
VOC Volatile organic compound

TABLE 2-22
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 19
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
1,1,1-Trichloroethane	6	6	1	0.6	0.6	0.6	2	2
1,1-Dichloroethane	6	6	4	0.5	9	3.63	0.5	0.5
1,1-Dichloroethene	6	6	1	0.4	0.4	0.4	2	2
1,2-Dichloroethene (total)	6	6	3	0.3	8	3.43	2	2
1,2-Dichloropropane	6	6	1	2	2	2	2	2
2-Butanone	6	6	1	0.7	0.7	0.7	2	2
Benzene	6	6	1	0.3	0.3	0.3	0.5	0.5
Tetrachloroethene	6	6	1	7	7	7	2	2
Trichloroethene	6	6	2	0.7	2	1.35	2	2
TPPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Gasoline Range Organics	6	6	3	0.03	0.03	0.03	0.05	0.05
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Diesel Range Organics	6	6	1	0.06	0.06	0.06	0.1	0.1
Motor Oil Range Organics	6	6	1	0.34	0.34	0.34	0.1	0.1
PAH in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Anthracene	6	6	1	0.1	0.1	0.1	0.2	0.2
Fluoranthene	6	6	2	0.1	0.2	0.15	0.2	0.2
Fluorene	6	6	1	0.7	0.7	0.7	1	1
Naphthalene	6	6	1	4	4	4	5	5
Phenanthrene	6	6	1	0.8	0.8	0.8	1	1
Pyrene	6	6	4	0.1	0.2	0.125	0.2	0.2

Notes:

mg/L Milligram per liter
PAH Polycyclic aromatic hydrocarbon
TEPH Total extractable petroleum hydrocarbon
TPPH Total prugeable petroleum hydrocarbon
ug/L Microgram per liter
VOC Volatile organic compound

TABLE 2-23
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 21
ALAMEDA POINT
(Page 1 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	24	24	2	0.3	2	1.15	2	2
1,1,2-Trichloroethane	24	24	1	0.4	0.4	0.4	2	2
1,1-Dichloroethane	24	24	4	0.5	1	0.63	0.5	0.5
1,1-Dichloroethene	24	24	3	0.4	2	1.07	2	2
1,2-Dichlorobenzene	24	24	3	0.3	0.6	0.43	2	2
1,2-Dichloroethene (total)	24	24	13	0.3	710	61.7	2	40
Benzene	24	24	4	0.4	3	1.15	0.5	0.5
Carbon Disulfide	24	24	3	0.4	3	1.33	2	2
Chlorobenzene	24	24	1	0.7	0.7	0.7	2	2
Chloroethane	24	24	1	0.9	0.9	0.9	2	2
Ethylbenzene	24	24	3	0.4	2	0.97	2	2
Methyl Tert-butyl Ether	24	24	5	0.3	2	1.08	5	5
Tetrachloroethene	24	24	2	0.3	1	0.65	2	2
Toluene	24	24	5	0.3	16	3.96	2	2
Trichloroethene	24	24	12	0.3	2600	282.9	2	40
Vinyl Chloride	24	24	9	0.3	16	2.99	0.5	10
Xylene (total)	24	24	4	0.3	14	4.33	2	2
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	65	65	1	120	120	120	1	1
1,1,2-Trichloroethane	65	65	2	1.4	4.8	3.1	1	1
1,1-Dichloroethane	65	65	7	0.6	130	36.13	1	1
1,1-Dichloroethene	65	65	7	1	3.9	2.33	1	1
Benzene	65	65	8	0.5	4.3	1.85	1	1
Carbon Disulfide	8	8	1	2.0	2.0	2	0.5	0.5
Chlorobenzene	65	65	1	0.9	0.9	0.9	0.5	0.5
Chloroethane	65	65	3	1.3	8.7	5.57	1	1
cis-1,2-Dichloroethene	65	65	20	1.3	750	135.9	1	5
Ethylbenzene	65	65	2	1.2	2.3	1.75	1	1
meta- and para-Xylene	65	65	11	1.2	5.8	2.25	1	1

TABLE 2-23
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 21
ALAMEDA POINT
(Page 2 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
ortho-Xylene	65	65	2	1.2	2.5	1.85	1	1
Tetrachloroethene	65	65	3	2.6	14	7.3	1	1
Toluene	65	65	17	1	8.3	2.56	1	1
trans-1,2-Dichloroethene	65	65	13	1.2	18	5.42	1	5
Trichloroethene	65	65	19	1.2	12000	1185	1	5
Vinyl Chloride	65	65	18	0.5	82	11.56	0.5	1
DVOG in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Ethane	18	18	7	2	280	64.2	3	15
Ethene	18	18	2	3	3	3	3	3
Methane	18	18	18	13	10300	1799	3	1500
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	11	11	6	0.03	5.18	0.918	0.05	0.05
TPPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Gasoline Range Organics	13	13	11	63	120000	15910	50	50
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	12	12	5	0.1	42	8.85	0.1	5
Motor Oil Range Organics	12	12	6	0.07	68	11.56	0.1	5
TEPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Diesel Range Organics	4	4	3	310	1400	756.7	200	200
PAH in Water				ug/L	ug/L	ug/L	ug/L	ug/L
Benz(A)anthracene	6	6	1	0.1	0.1	0.1	0.2	0.2
Benzo(A)pyrene	6	6	1	0.1	0.1	0.1	0.2	0.2
Fluoranthene	6	6	1	0.93	0.93	0.93	0.2	0.2
Pyrene	6	6	3	0.4	0.40	0.4	0.2	0.2

TABLE 2-23
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 21
ALAMEDA POINT
(Page 3 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
Other Chemicals in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Suspended Organic Carbon	7	18	18	1.1	8.4	3.11	1	1
Total Organic Carbon (ave)	10	18	18	5.0	15.9	10.64	1	1
Total Organic Carbon (max)	18	18	18	4.9	17.6	10.04	1	1
Total Organic Carbon (min)	18	18	18	3.2	14.9	7.90	1	1
Dissolved Organic Carbon (ave)	18	18	10	5.0	14.5	8.83	1	1
Dissolved Organic Carbon (max)	18	18	18	4.0	16.1	8.77	1	1
Dissolved Organic Carbon (min)	18	18	17	1.9	13.7	6.34	1	1
Orthophosphate Phosphorus	18	18	5	0.17	11.3	8.21	0.1	5
Sulfate	18	18	14	2.1	4400	2682	0.5	100
Total Metals in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Chromium	1	1	1	73.6	73.6	73.6	0.038	0.038
Lead	1	1	1	42.0	42.0	42	0.38	0.38
Physical Properties of Soil				%	%	%	%	%
Percent Moisture	1	1	1	31.4	31.4	31.4	0	0
D-1945 Compounds in Soil Gas				%	%	%	%	%
Carbon Dioxide	4	4	4	0.325	0.779	0.562	0.001	0.001
Nitrogen	4	4	4	77.61	78.48	77.91	0.01	0.01
Oxygen	4	4	4	21.20	21.74	21.54	0.01	0.01
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	4	4	1	133.85	133.85	133.85	68.73	68.73
Benzene	4	4	4	41.36	90.95	68.28	10.06	41.23
Ethylbenzene	4	4	4	169.77	243.55	211.82	13.67	56.04
meta- and para-Xylene	4	4	4	811.06	1025.23	927.56	13.67	56.04
ortho-Xylene	4	4	4	214.80	236.54	226.01	13.67	56.04
Tetrachloroethene	4	4	1	31.55	31.55	31.55	21.49	21.49

TABLE 2-23
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 21
ALAMEDA POINT
(Page 4 of 4)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
Toluene	4	4	4	564.48	1456.82	1048.81	11.87	48.64
Trichloroethene	4	4	2	82.13	93.15	87.64	16.92	69.36

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
DVOG	Dissolved volatile organic gases
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
PAH	Polycyclic aromatic hydrocarbon
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-24
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 22
ALAMEDA POINT
(Page 1 of 2)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Benzene	10	10	2	0.4	2400	1200	0.5	25
Ethylbenzene	10	10	2	0.7	25	12.9	2	100
Toluene	10	10	1	0.3	0.3	0.3	2	2
TPPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Gasoline Range Organics	10	10	6	0.03	2.8	0.51	0.05	0.25
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Diesel Range Organics	10	10	3	0.1	1.9	0.8	0.1	0.1
Motor Oil Range Organics	10	10	7	0.2	1.1	0.44	0.1	0.1
PAH in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Naphthalene	10	10	1	140	140	140	25	25
SVOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
2-Methylnaphthalene	10	10	1	60	60	60	10	10
Naphthalene	10	10	2	15	380	198	10	10
Phenol	10	10	1	42	42	42	10	10
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	4	4	4	0.573	14.863	7.583	0.001	0.001
Methane	4	4	2	2.605	2.673	2.639	0.001	0.001
Nitrogen	4	4	4	76.97	80.55	78.69	0.01	0.01
Oxygen	4	4	4	2.33	22.39	12.41	0.01	0.01
D-1945H Compounds in Soil Gas				**ppmv**	**ppmv**	**ppmv**	**ppmv**	**ppmv**
Ethane	4	4	2	8.1	11.1	9.6	1	1
I-Butane	4	4	2	5.2	41.5	23.35	1	1
I-Pentane	4	4	2	1857.7	1914.6	1886	1	1
N-Butane	4	4	2	69.9	70.7	70.3	1	1

DS.0385.15645

TABLE 2-24
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 22
ALAMEDA POINT
(Page 2 of 2)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
D-1945H Compounds in Soil Gas				**ppmv**	**ppmv**	**ppmv**	**ppmv**	**ppmv**
NMOC (C_{6+})	4	4	2	4827.0	4937.1	4882	10	10
N-Pentane	4	4	2	8.6	507.3	258.0	1	1
Propane	4	4	1	1.4	1.4	1.4	1	1
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
Benzene	4	4	3	10.80	106688.77	39644.95	10.47	2094.59
Chloromethane	4	4	2	240.00	1672.25	956.125	133.26	1353.93
Ethylbenzene	4	4	2	10073.59	146015.79	78044.69	280.22	2847.04
meta- and para-Xylene	4	4	4	34.17	389523.90	103375.62	13.67	2847.04
ortho-Xylene	4	4	2	4140.71	75145.15	39642.93	280.22	2847.04
Toluene	4	4	4	35.78	247283.62	68145.10	11.87	2470.82

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
D-1945H	ASTM Method D-1945H for Volatile Hydrocarbons in Air (ASTM 2000)
NMOC (C_{6+})	Non methane organic compounds, carbon range 6 and higher
mg/L	Milligram per liter
PAH	Polycyclic aromatic hydrocarbon
ppmv	Part per million volume
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-25
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 23
ALAMEDA POINT
(Page 1 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,2-Dichloroethene (total)	10	10	4	1	2	1.5	2	2
Carbon Disulfide	10	10	1	0.3	0.3	0.3	2	2
Ethylbenzene	10	10	1	3	3	3	4	4
Toluene	10	10	1	0.3	0.3	0.3	2	2
Trichloroethene	10	10	3	0.4	0.6	0.53	2	2
Xylene (total)	10	10	1	7	7	7	4	4
VOC in Water (field lab)				ug/L	ug/L	ug/L	ug/L	ug/L
1,2,4-Trimethylbenzene	2	2	1	860	860	860	1300	1300
cis-1,2-Dichloroethene	4	4	1	1.3	1.3	1.3	1	1
Isopropylbenzene	2	2	1	1000	1000	1000	1300	1300
meta- and para-Xylene	2	2	1	1.4	1.4	1.4	1	1
Napthalene	4	4	2	21	1100	560.5	1	1300
sec-Butylbenzene	2	2	1	1000	1000	1000	1300	1300
Vinyl Chloride	4	4	1	8.1	8.1	8.1	1	1
Xylene (total)	2	2	1	660	660	660	1300	1300
TPPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Gasoline Range Organics	10	10	1	0.11	0.11	0.11	0.05	0.05
TPPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Gasoline Range Organics	1	1	1	130	130	130	50	50
TEPH in Water				mg/L	mg/L	mg/L	mg/L	mg/L
Diesel Range Organics	12	12	7	0.2	400000	57143	0.1	100000
JP-5 Range Organics	12	12	2	24000	760000	392000	870	100000
Motor Oil Range Organics	12	12	4	0.2	200000	50000	0.1	100000
TEPH in Water (low level)				ug/L	ug/L	ug/L	ug/L	ug/L
Diesel Range Organics	2	2	1	2800	2800	2800	200	200

TABLE 2-25
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 23
ALAMEDA POINT
(Page 2 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
PAH in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Benz(A)anthracene	10	10	1	0.1	0.1	0.1	0.2	0.2
Pyrene	10	10	1	0.2	0.2	0.2	0.2	0.2
SVOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
2-Methylnaphthalene	11	11	1	21	21	21	10	10
Naphthalene	11	11	1	19	19	19	10	10
Total Metals in Soil				**mg/Kg**	**mg/Kg**	**mg/Kg**	**mg/Kg**	**mg/Kg**
Chromium	1	1	1	76.9	76.9	76.9	0.039	0.039
Lead	1	1	1	12.5	12.5	12.5	0.39	0.39
Physical Properties of Soil				**%**	**%**	**%**	**%**	**%**
Percent Moisture	1	1	1	33.8	33.8	33.8	0	0
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	2	2	2	0.312	0.475	0.394	0.001	0.002
Nitrogen	2	2	2	77.66	78.39	78.03	0.01	0.01
Oxygen	2	2	2	21.30	21.87	21.59	0.01	0.01
D-1945H Compounds in Soil Gas				**ppmv**	**ppmv**	**ppmv**	**ppmv**	**ppmv**
NMOC (C_{6+})	2	2	2	42.0	57.4	49.7	10	10
N-Pentane	2	2	2	1.4	2.9	2.15	1	1
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
Benzene	2	2	2	79.16	103.50	91.33	10.06	20.12
Ethylbenzene	2	2	2	359.51	540.14	449.8	13.67	27.35
meta- and para-Xylene	2	2	2	1257.26	2045.88	1651.57	13.67	27.35
ortho-Xylene	2	2	2	270.99	513.29	392.14	13.67	27.35
Tetrachloroethene	2	2	1	103.18	103.18	103.18	21.49	21.49

TABLE 2-25
STATISTICAL SUMMARY OF ANALYTICAL DATA
CERCLA SITE 23
ALAMEDA POINT
(Page 3 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
Toluene	2	2	2	715.48	833.20	774.34	11.87	23.74

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
D-1945H	ASTM Method D-1945H for Volatile Hydrocarbons in Air (ASTM 2000)
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
NMOC (C_{6+})	Non methane organic compounds, carbon range 6 and higher
PAH	Polycyclic aromatic hydrocarbon
ppmv	Part per million volume
SVOC	Semivolatile organic compound
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
TPPH	Total prugeable petroleum hydrocarbon
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter
VOC	Volatile organic compound

TABLE 2-26
STATISTICAL SUMMARY OF ANALYTICAL DATA
FUEL LINE CORRECTIVE ACTION AREA B
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TEPH in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Diesel Range Organics	4	4	1	14	14	14.0	13	13
Motor Oil Range Organics	4	4	4	7	74	25.5	11	13
Physical Properties of Soil				**%**	**%**	**%**	**%**	**%**
Percent Moisture	4	4	4	5.0	21.4	14.7	0	0
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	8	8	5	0.042	0.967	0.334	0.001	0.001
Nitrogen	8	8	8	77.14	78.36	77.50	0.01	0.01
Oxygen	8	8	8	21.08	22.86	22.29	0.01	0.01
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
Chloromethane	8	8	2	6.84	12.70	9.77	6.4	6.5
meta- and para-Xylene	8	8	3	17.07	23.73	20.02	13.56	14.68
Toluene	8	8	4	12.13	19.09	15.54	11.67	11.87

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
mg/kg	Milligram per kilogram
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
ug/m^3	Microgram per cubic meter

TABLE 2-27
STATISTICAL SUMMARY OF ANALYTICAL DATA
CORRECTIVE ACTION AREA 9A
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TEPH in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Motor Oil Range Organics	4	4	2	12	22	17	11	12
Physical Parameters of Soil				**%**	**%**	**%**	**%**	**%**
Percent Moisture	4	4	4	5.0	19.7	13.7	0	0
Total Metals in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Lead	3	3	1	12.2	12.2	12.2	1.4	1.4
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Motor Oil Range Organics	4	4	4	0.2	0.65	0.35	0.1	0.1
D-1945 Compounds in Soil Gas				**%**	**%**	**%**	**%**	**%**
Carbon Dioxide	2	2	2	2.584	7.619	5.102	0.001	0.001
Nitrogen	2	2	2	77.43	78.33	77.88	0.01	0.01
Oxygen	2	2	2	14.05	19.99	17.02	0.01	0.01
TO-14 Compounds in Soil Gas				**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**	**ug/m^3**
meta- and para-Xylene	2	2	1	50.23	50.23	50.23	13.9	13.9
Toluene	2	2	2	63.26	81.26	72.26	12.06	47.47

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
TEPH	Total extractable petroleum hydrocarbon
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
ug/L	Microgram per liter
ug/m^3	Microgram per cubic meter

TABLE 2-28
STATISTICAL SUMMARY OF ANALYTICAL DATA
CORRECTIVE ACTION AREA 10
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
D-1945 Compounds in Soil Gas				%	%	%	%	%
Carbon Dioxide	4	4	4	0.175	1.171	0.475	0.001	0.001
Nitrogen	4	4	4	77.21	77.45	77.33	0.01	0.01
Oxygen	4	4	4	21.62	22.45	22.19	0.01	0.01
TO-14 Compounds in Soil Gas				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,3-Dichlorobenzene	4	4	1	23.63	23.63	23.63	21.42	21.42
1,4-Dichlorobenzene	4	4	1	23.04	23.04	23.04	21.42	21.42
Benzene	4	4	1	18.05	18.05	18.05	11.38	11.38
Chloromethane	4	4	1	13.90	13.90	13.90	6.72	6.72
meta- and para-Xylene	4	4	1	23.06	23.06	23.06	15.47	15.47
Toluene	4	4	2	17.90	28.98	23.44	12.16	13.42

Notes:

%	Percent
D-1945	American Society of Testing and Materials (ASTM) Method D-1945 for Atmospheric Gases and Methane in Air (ASTM 2000)
TO-14	U.S. Environmental Protection Agency (EPA) Method TO-14 for Volatile Organic Compounds in Air (EPA 1988)
ug/m^3	Microgram per cubic meter

TABLE 2-29
STATISTICAL SUMMARY OF ANALYTICAL DATA
CORRECTIVE ACTION AREA 12
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Soil				ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chlorobenzene	15	15	1	2	2	2	14	14
Chloroform	15	15	2	1	2	1.5	12	14
Toluene	15	15	1	0.8	0.8	0.8	13	13
Xylene (total)	15	15	1	230	230	230	5400	5400
TEPH in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Diesel Range Organics	15	15	1	48	48	48	12	12
JP-5	15	15	1	6000	6000	6000	1100	1100
Motor Oil Range Organics	15	15	8	14	690	267.1	10	110
TPPH in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline Range Organics	15	15	1	63	63	63	27	27
Total Metals in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Lead	4	4	2	8.8	11.4	10.1	0.073	0.087
Physical Parameters of Soil				%	%	%	%	%
Percent Moisture	15	15	15	3.9	36.6	14.51	0	0

Notes:

%	Percent
mg/kg	Milligram per kilogram
TEPH	Total extractable petroleum hydrocarbon
TPPH	Total prugeable petroleum hydrocarbon
ug/kg	Microgram per kilogram
VOC	Volatile organic compound

TABLE 2-30
STATISTICAL SUMMARY OF ANALYTICAL DATA
EBS PARCEL 8
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				ug/L	ug/L	ug/L	ug/L	ug/L
1,2-Dichloroethane	13	13	5	0.7	3	1	0.5	0.5
1,2-Dichloroethene (total)	13	13	7	4	68	25	2	2
Benzene	13	13	4	0.4	0.6	0.53	0.5	0.5
Carbon Disulfide	13	13	3	0.5	0.6	0.53	2	2
Toluene	13	13	12	0.3	1	0.53	2	2
Trichloroethene	13	13	2	0.7	4	2.35	2	2
Vinyl Chloride	13	13	9	0.6	35	12.1	0.5	0.5
Xylene (total)	13	13	3	0.3	0.5	0.37	2	2

Notes:

ug/L Microgram per liter
VOC Volatile organic compound

TABLE 2-31
STATISTICAL SUMMARY OF ANALYTICAL DATA
EBS PARCEL 23G
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TEPH in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Motor Oil Range Organics	4	4	4	17	160	73.3	11	20
Physical Properties of Soil				%	%	%	%	%
Percent Moisture	4	4	4	6.0	49.8	22.8	0	0

Notes:

%	Percent
mg/kg	Milligram per kilogram
TEPH	Total extractable petroleum hydrocarbon

TABLE 2-32
STATISTICAL SUMMARY OF ANALYTICAL DATA
INVESTIGATION DERIVED WASTE
ALAMEDA POINT
(Page 1 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
VOC in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
2-Butanone	1	1	1	0.8	0.8	0.8	2	2
Methyl Tert-butyl Ether	1	1	1	0.3	0.3	0.3	5	5
TEPH in Water				**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
Diesel Range Organics	1	1	1	1.1	1.1	1.1	0.1	0.1
Total Metals in Water				**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Barium	1	1	1	159	159	159	1.5	1.5
Cadmium	1	1	1	1.5	1.5	1.5	0.46	0.46
Calcium	1	1	1	104000	104000	104000	96	96
Chromium	1	1	1	36.4	36.4	36.4	0.26	0.26
Cobalt	1	1	1	36.4	36.4	36.4	0.82	0.82
Copper	1	1	1	10.3	10.3	10.3	3.2	3.2
Iron	1	1	1	207	207	207	6.8	6.8
Lead	1	1	1	3.3	3.3	3.3	1.6	1.6
Magnesium	1	1	1	20900	20900	20900	9.6	9.6
Manganese	1	1	1	21.0	21.0	21.0	0.74	0.74
Mercury	1	1	1	0.056	0.056	0.056	0.027	0.027
Molybdenum	1	1	1	30.2	30.2	30.2	1.2	1.2
Nickel	1	1	1	22.1	22.1	22.1	1.1	1.1
Potassium	1	1	1	32400	32400	32400	9.8	9.8
Sodium	1	1	1	620000	620000	620000	282	282
Vanadium	1	1	1	27.3	27.3	27.3	0.54	0.54
VOC in Soil				**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Toluene	1	1	1	0.6	0.6	0.6	10	10
TEPH in Soil				**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Diesel Range Organics	1	1	1	640	640	640	100	100
Motor Oil Range Organics	1	1	1	1100	1100	1100	100	100

TABLE 2-32
STATISTICAL SUMMARY OF ANALYTICAL DATA
INVESTIGATION DERIVED WASTE
ALAMEDA POINT
(Page 2 of 3)

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
Total Metals in Soil				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	1	1	1	6110	6110	6110	0.8	0.8
Arsenic	1	1	1	3.2	3.2	3.2	0.31	0.31
Barium	1	1	1	63.4	63.4	63.4	0.15	0.15
Cadmium	1	1	1	0.38	0.38	0.38	0.047	0.047
Calcium	1	1	1	7950	7950	7950	9.9	9.9
Chromium	1	1	1	33.8	33.8	33.8	0.027	0.027
Cobalt	1	1	1	9.3	9.3	9.3	0.085	0.085
Copper	1	1	1	18.2	18.2	18.2	0.33	0.33
Iron	1	1	1	12500	12500	12500	0.7	0.7
Lead	1	1	1	22.1	22.1	22.1	0.16	0.16
Magnesium	1	1	1	3530	3530	3530	0.99	0.99
Manganese	1	1	1	183	183	183	0.076	0.076
Mercury	1	1	1	0.42	0.42	0.42	0.014	0.014
Nickel	1	1	1	33.8	33.8	33.8	0.11	0.11
Potassium	1	1	1	702	702	702	1	1
Vanadium	1	1	1	24.4	24.4	24.4	0.056	0.056
Zinc	1	1	1	38.5	38.5	38.5	0.14	0.14
TCLP Metals from Soil				ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	1	1	1	314	314	314	7.8	7.8
Antimony	1	1	1	6.0	6.0	6.0	2.8	2.8
Barium	1	1	1	589	589	589	1.5	1.5
Cadmium	1	1	1	5.3	5.3	5.3	0.46	0.46
Calcium	1	1	1	330000	330000	330000	96	96
Chromium	1	1	1	3.5	3.5	3.5	0.26	0.26
Cobalt	1	1	1	29.1	29.1	29.1	0.82	0.82
Copper	1	1	1	17.8	17.8	17.8	3.2	3.2
Iron	1	1	1	217	217	217	6.8	6.8
Lead	1	1	1	10.3	10.3	10.3	1.6	1.6
Magnesium	1	1	1	17000	17000	17000	9.6	9.6

TABLE 2-32
STATISTICAL SUMMARY OF ANALYTICAL DATA
INVESTIGATION DERIVED WASTE
ALAMEDA POINT

Parameter	Total Samples Analyzed	Number of Valid Results	Number of Detects	Minimum Detected Concentration	Maximum Detected Concentration	Mean Concentration	Minimum Reporting Limit	Maximum Reporting Limit
TCLP Metals from Soil				ug/L	ug/L	ug/L	ug/L	ug/L
Manganese	1	1	1	2540	2540	2540	0.74	0.74
Mercury	1	1	1	0.53	0.53	0.53	0.027	0.027
Nickel	1	1	1	58.0	58.0	58	1.1	1.1
Potassium	1	1	1	14700	14700	14700	9.8	9.8
Vanadium	1	1	1	0.98	0.98	0.98	0.54	0.54
Zinc	1	1	1	104	104	104	1.4	1.4
Physical Properties of Soil				%	%	%	%	%
Percent Moisture	1	1	1	3.0	3.0	3.0	0	0
pH	1	1	1	9.02	9.02	9.02	0.1	0.1

Notes:

%	Percent
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
TCLP	Toxicity Characteristic Leaching Procedure
TEPH	Total extractable petroleum hydrocarbon
ug/kg	Microgram per kilogram
ug/L	Microgram per liter
VOC	Volatile organic compound

TABLE 4-1
DATA QUALITY OBJECTIVE EVALUATION
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT
(Page 1 of 4)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
1	6	Chlorinated VOCs west of Building 41	The lateral and vertical boundary of the VOC plumes has been defined to MCLs, with the exception of one location in the northwest corner of Site 6 (outside the limited area of data gap investigation). However, based on step out sampling to the north from the same point, the MCL boundary should occur within 50 feet to the northwest. The additional plume area created by expanding the MCL boundary 50 feet to the northwest is not expected to significantly increase risk. The groundwater contamination is laterally widespread; therefore, risk should be reevaluated and the groundwater monitoring network expanded to the east and west to encompass the VOC plumes.	No additional sampling required.
	14	TPH west of Building 528 and GAP 9, and chlorinated VOCs in the northern portion of Site 14	The lateral and vertical boundary of the VOC and TPH plumes has been defined to MCLs and screening values, no further boundary sampling is necessary. The groundwater contamination is laterally widespread; therefore, the groundwater monitoring network should be expanded to encompass the VOC and TPH plumes for long-term monitoring under a future institutional control.	No additional sampling required.

TABLE 4-1
DATA QUALITY OBJECTIVE EVALUATION
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT
(Page 2 of 4)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
1	16	Dichlorobenzene west of the CANS yard and chlorinated VOCs northwest of Building 608	The lateral and vertical boundary of the VOC plumes has been defined to MCLs. A single compound was detected above its MCL at the western boundary of the Site 16 plume. The single compound concentration was increasing slightly toward the west. A single step out sample is recommended; otherwise no further boundary sampling is necessary. The groundwater contamination is laterally widespread; therefore, risk should be reevaluated and the groundwater monitoring network expanded to encompass the VOC plumes.	A single step out sample is recommended to close a single VOC contour west of location S16-DGS-DP28.
2A	9	Chlorinated VOCs to the west and south of Building 410; TPH to the north and east of Building 410	The lateral and vertical boundary of the VOC and TPH plumes has been defined to MCLs or screening levels, with the exception of one location on the northwest side of Site 9. The location is between directions of step out investigation (outside the limited area of data gap investigation). Several compounds were increasing in concentration toward the northwest. Two step out sample locations are recommended along a northwest trend; otherwise no further boundary sampling is necessary. TPH plumes are not co-mingled with chlorinated VOCs; therefore, TPH contamination should be managed under the Corrective Action Program	Two step out sample locations are recommended to close VOC contours along a trend to the northwest of location S09-DGS-DP02 on the western side of Site 9.

TABLE 4-1
DATA QUALITY OBJECTIVE EVALUATION
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT
(Page 3 of 4)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
2B	3, 4, 11, 21	TPH northwest of Site 3; chlorinated VOCs in the vicinity and to the west of Building 360 and TPH east of Building 397; TPH along fuel line northwest of USTs 37-1 through 37-4 and TPH at two oil-water separators near Building 14; Chlorinated VOCs in the vicinity of Building 162; TPH along the fuel line west of Building 162; and chlorinated VOCs in the vicinity of Building 398	The lateral and vertical boundary of the VOC and TPH plumes has been defined to MCLs or screening levels, with the exception of one location northwest of Site 21 (inside area of investigation), one location in the northeast corner of Site 4 (outside area of investigation), and one location in the northern area of Site 3 (outside area of investigation). One step out sample is recommended at each location; otherwise no further boundary sampling is necessary. TPH plumes are co-mingled with chlorinated VOCs; therefore, TPH contamination will be managed under the CERCLA program.	A single step out sample is recommended at each of the following locations to close VOC contours: north of S21-DGS-DP105 (Site 21) and northeast of S04-DGS-DP10 (Site 4). A single step out sample is recommended at the following location to close TPH contours east of S03-DGS-DP20 (Site 3).
2C	5, 10	Chlorinated VOCs in the vicinity of Building 5 and TPH near the northeast corner of Building 5; and TPH and chlorinated VOCs on the north side of Building 400	The lateral and vertical boundary of the VOC plume has been defined to MCL values, with the exception of one location in the northwest corner of Site 5. A single compound was detected at an elevated concentration. The single compound concentration was increasing slightly toward the southwest. A single step out sample is recommended; otherwise no further boundary sampling is necessary. TPH plumes are co-mingled with chlorinated VOCs; therefore, TPH contamination will be managed under the CERCLA program. The lateral boundary of the TPH plume has not been defined (not in the scope of data gap investigation).	A single step out sample is recommended to close a single VOC contour southwest of S05-DGS-DP45. Step out sampling is recommended to define lateral extent of TPH plume west of M05-03 and east of CA05-05, located between Sites 5 and 10

TABLE 4-1
DATA QUALITY OBJECTIVE EVALUATION
DELINEATION OF CONTAMINANT PLUMES IN GROUNDWATER
ALAMEDA POINT
(Page 4 of 4)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
Other Programs	EBS Parcel 8	Chlorinated VOCs northwest of Building 497	The lateral and vertical boundary of the VOC or TPH plume has not been defined, step-out sampling will be conducted until the plume boundaries are delineated to MCL values.	Additional step out sampling is planned under Addendum D.

Notes:

CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act
EBS	Environmental baseline survey
GAP	Generation and accumulation point
MCL	Maximum contaminant level
TPH	Total petroleum hydrocarbon
UST	Underground storage tank
VOC	Volatile organic compound

TABLE 4-2
DATA QUALITY OBJECTIVE EVALUATION
CHARACTERIZATION OF DENSE NONAQUEOUS-PHASE LIQUIDS IN SOIL
ALAMEDA POINT
(Page 1 of 1)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
2B	4	Chlorinated VOCs in soil and groundwater.	RNS, PDB, and groundwater confirmation data as well as phase separation shake tests do not indicate the presence of DNAPL at Site 4; therefore, no additional characterization for DNAPLs is necessary.	No additional data required.
2C	5	Chlorinated VOCs in soil and groundwater.	RNS and PDB sample data and phase separation shake tests do not indicate the presence of DNAPL at Site 5; therefore, no additional characterization for DNAPLs is necessary. The results of confirmation groundwater samples collected from RNS borings indicated the potential presence of DNAPLs. Step out samples were collected to identify the extent of the area with groundwater concentrations greater than 1 percent of the theoretical solubility for organic constituents. The data will be used to develop remedial alternatives for plume source area reduction.	No additional data required.

Notes:

DNAPL	Dense nonaqueous phase liquid
NAPL	Nonaqueous phase liquid
PDB	Passive diffusion bag
RNS	Ribbon NAPL Sampler
VOC	Volatile organic compound

TABLE 4-3
DATA QUALITY OBJECTIVE EVALUATION
CHARACTERIZATION OF ORGANIC CONTAMINANTS IN SOIL AND GROUNDWATER
ALAMEDA POINT
(Page 1 of 1)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
1	16	Chlordane in soil and one groundwater monitoring well near former UST-608	The chlordane contamination has limited lateral and vertical extent. Therefore, existing data will be used to reevaluate risks and evaluate remedial alternatives as appropriate.	No additional data required.

Notes:

UST Underground storage tank

TABLE 4-4
DATA QUALITY OBJECTIVE EVALUATION
DELINEATION OF CONTAMINANTS IN SOIL TO SUPPORT REMOVAL ACTIONS
ALAMEDA POINT
(Page 1 of 1)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
1	14	Dioxins and furans in soil at the northern firefighter training area (FTA) and potential southern FTA	Dioxins and furans were not found to be migrating in surface-water runoff. A removal action was conducted during data gap sampling. Confirmation samples were collected during the removal action to verify that remaining soil is below action levels. Therefore, no further removal action is warranted. Dioxins and furans were not found above action levels at the potential southern FTA; therefore, no further action is required.	No additional data required.
	15	PCBs and lead in soil along the wetlands area	The concentrations of lead and PCBs in subsurface soil samples collected in the wetland area of Site 15 do not exceed action levels, except for three points adjacent to the facility fence line. Lead and PCBs were not detected in locations down gradient of these three samples above action levels. The BCT determined that the elevated detections were isolated and do not pose a risk to ecological receptors in Oakland Inner Harbor. Therefore, no further removal action is warranted.	No additional data required.

Notes:

BCT Base closure team
FTA Firefighter training area
PCB Polychlorinated biphenyls

TABLE 4-5
DATA QUALITY OBJECTIVE EVALUATION
COLLECTION OF SOIL GAS DATA TO SUPPORT RISK ASSESSMENT
ALAMEDA POINT
(Page 1 of 1)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
1	6	Chlorinated VOCs, BTEX, and TPPH	Measurable concentrations of VOCs were detected in soil gas above the contaminant plume in groundwater. The soil gas data will be used as input into the Johnson-Ettinger model for inhalation of volatilized contaminants in indoor air.	No additional data required.
	14	Chlorinated VOCs, BTEX, and TPPH	Measurable concentrations of VOCs were detected in soil gas above the contaminant plume in groundwater. The soil gas data will be used as input into the Johnson-Ettinger model for inhalation of volatilized contaminants in indoor air.	No additional data required.
	16	Chlorinated VOCs, BTEX, and TPPH	Measurable concentrations of VOCs were detected in soil gas above the contaminant plume in groundwater. The soil gas data will be used as input into the Johnson-Ettinger model for inhalation of volatilized contaminants in indoor air.	No additional data required.
2A	9, 13, 22, 23	Chlorinated VOCs, BTEX, and TPPH	Measurable concentrations of VOCs were detected in soil gas above the contaminant plume in groundwater. The soil gas data will be used as input into the Johnson-Ettinger model for inhalation of volatilized contaminants in indoor air.	No additional data required.
2B	3, 4, 21	Chlorinated VOCs, BTEX, and TPPH	Measurable concentrations of VOCs were detected in soil gas above the contaminant plume in groundwater. The soil gas data will be used as input into the Johnson-Ettinger model for inhalation of volatilized contaminants in indoor air.	No additional data required.
2C	5	Chlorinated VOCs, BTEX, and TPPH	Measurable concentrations of VOCs were detected in soil gas above the contaminant plume in groundwater. The soil gas data will be used as input into the Johnson-Ettinger model for inhalation of volatilized contaminants in indoor air.	No additional data required.

Notes:

BTEX Benzene, toluene, ethylbenzene, and total xylenes
TPPH Total purgeable petroleum hydrocarbon
VOC Volatile organic compound

TABLE 4-6
DATA QUALITY OBJECTIVE EVALUATION
CHARACTERIZATION OF INORGANIC CONTAMINANTS IN SOIL AND GROUNDWATER
ALAMEDA POINT
(Page 1 of 2)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
2B	3	Lead in soil and groundwater between Buildings 118 and 517	Metal concentrations were detected above screening levels and step-out sampling was performed until the boundaries were defined. Elevated metal concentrations in soil are not isolated in extent; therefore, remedial alternatives should be evaluated. Elevated metal concentrations were detected in groundwater; therefore, risks associated with human health and environment should be evaluated.	No additional data required.
	4	Cadmium and chromium in soil at the Building 360 Plating Shop and the Site 4 IWTP, and cadmium and elevated pH in surface soil at the northern end of Building 360.	The areas of elevated metal concentrations have been adequately characterized and delineated at the plating shop. A risk assessment is required to determine if a removal action is warranted. Evaluation of metal concentration in soil at the IWTP is pending the results of Addendum D sampling. If elevated concentrations in soil are isolated in extent, define removal action boundaries and proceed with soil removal action. If elevated concentrations in soil are not isolated in extent, then evaluate remedial alternatives. Elevated metal concentrations have not been detected in groundwater at the IWTP; therefore, no further action is required for groundwater.	Addendum D soil data is needed to evaluate the need for a soil removal action at the IWTP.
2C	5	Cadmium and chromium in soil and groundwater at the Building 5 Plating Shop and the Site 5 IWTP	A metals removal action was conducted during data gap sampling. Confirmation samples were collected during the removal action to verify that remaining soil is below action levels. Therefore, no further removal action is warranted.	No additional data required.

TABLE 4-6
DATA QUALITY OBJECTIVE EVALUATION
CHARACTERIZATION OF INORGANIC CONTAMINANTS IN SOIL AND GROUNDWATER
ALAMEDA POINT
(Page 2 of 2)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
2C (continued)	5	Cadmium and chromium in soil and groundwater at the Building 5 Plating Shop and the Site 5 IWTP	Elevated metal concentrations have not been detected in groundwater at the plating shop; therefore, no further action is required for groundwater.	No additional data required.

Notes:

IWTP Industrial wastewater treatment plant

Continue

TABLE 4-7
DATA QUALITY OBJECTIVE EVALUATION
CHROMIUM SPECIATION IN SOIL TO SUPPORT RISK ASSESSMENT
ALAMEDA POINT
(Page 1 of 1)

Operable Unit	Site	Contaminants	Decision Attained	Data Required to Clarify Decision
1	8	Total chromium, chromium (VI)	The results of chromium speciation analysis indicate that chromium (VI)was not detected; therefore, no further action is needed.	No additional data required.
	14	Total chromium, chromium (VI)	The results of chromium speciation analysis indicate that chromium (VI)was not detected; therefore, no further action is needed.	No additional data required.
	15	Total chromium, chromium (VI)	The results of chromium speciation analysis indicate that chromium (VI)was not detected; therefore, no further action is needed.	No additional data required.
2A	23	Total chromium, chromium (VI)	The results of chromium speciation analysis indicate that chromium (VI)was not detected; therefore, no further action is needed.	No additional data required.
2B	4, 21	Total chromium, chromium (VI)	The results of chromium speciation analysis indicate that chromium (VI)was not detected; therefore, no further action is needed.	No additional data required.