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NTC SAN DIEGO
SSIC #5090.3

Southwest Division
Naval Facilities Engineering Command
Contracts Department
1220 Pacific Highway, Room 135
San Diego, California 92132-5187

Contract No. N68711-92-D-4670

COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY

CLEAN II

FINAL COMPREHENSIVE SITE ASSESSMENT REPORT FOR POINTS OF INTEREST AT NAVAL TRAINING CENTER SAN DIEGO, CALIFORNIA VOLUME III OF III

CTO-0082/0161

July 1996

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Date: July 23, 1996

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FINAL COMPREHENSIVE SITE ASSESSMENT REPORT FOR POINTS OF INTEREST

DATED JULY 1996

THIS RECORD CONTAINS MULTIPLE VOLUMES WHICH HAVE BEEN ENTERED SEPARATELY

VOLUME I AND II OF III IS ENTERED IN THE DATABASE AND FILED AT ADMINISTRATIVE RECORD NO. **N00247.000363**

APPENDIX C

LABORATORY DATA/
VALIDATION/REVIEW SUMMARIES

N00247.000364
NTC SAN DIEGO
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APPENDIX C – LABORATORY DATA/VALIDATION/REVIEW SUMMARIES

FINAL COMPREHENSIVE SITE ASSESSMENT REPORT FOR POINTS OF INTEREST

DOCUMENT WAS SUBMITTED BY CONTRACTOR WITH DUPLICATED VALIDATION DATA THROUGHOUT THE APPENDICES.

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DATA QUALIFIERS FOR APPENDIX C

All analytical results have either data validation qualifiers or laboratory qualifiers. Data that was validated have data validation qualifiers. Data that was not validated have laboratory qualifiers. Both laboratory and data validation qualifiers are defined as follows:

- U Indicates the compound or element was analyzed for but not detected at or above the stated limit.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- N Presumptive evidence of presence of the constituent.
- UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

Table C-1
POI[a] 7 Groundwater Halogenated Volatile Organic Compounds
(results reported in micrograms per liter)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID	
Analyte Name	**Method Code**	**WS-7 6.2 – 10 082GW0101**	**WS-8 3.8 – 7 082GW1001**
1,1,1-trichloroethane	U.S. EPA[c] 8010	1 U	1 U
1,1,2,2-tetrachloroethane	U.S. EPA 8010	1 U	1 U
1,1,2-trichloroethane	U.S. EPA 8010	1 U	1 U
1,1-dichloroethane	U.S. EPA 8010	1 U	1 U
1,1-dichloroethene	U.S. EPA 8010	1 U	1 U
1,2-dichlorobenzene	U.S. EPA 8010	1 U	1 U
1,2-dichloroethane	U.S. EPA 8010	1 U	1 U
1,2-dichloropropane	U.S. EPA 8010	1 U	1 U
1,3-dichlorobenzene	U.S. EPA 8010	1 U	1 U
1,4-dichlorobenzene	U.S. EPA 8010	1 UJ	1 U
2-chloroethylvinyl ether	U.S. EPA 8010	1 UJ	1 U
Bromodichloromethane	U.S. EPA 8010	1 U	1 U
Bromoform	U.S. EPA 8010	1 UJ	1 U
Bromomethane	U.S. EPA 8010	1 UJ	1 U
Carbon tetrachloride	U.S. EPA 8010	1 U	1 U
Chlorobenzene	U.S. EPA 8010	1 U	1 U
Chloroethane	U.S. EPA 8010	1 U	1 U
Chloroform	U.S. EPA 8010	1 UJ	1 U
Chloromethane	U.S. EPA 8010	1 U	1 U
cis-1,2-dichloroethene	U.S. EPA 8010	1 U	1 U
cis-1,3-dichloropropene	U.S. EPA 8010	1 U	1 U
Dibromochloromethane	U.S. EPA 8010	3 U	1 U
Dichloromethane	U.S. EPA 8010	1 U	1 U
Tetrachloroethene	U.S. EPA 8010	1 UJ	1 U
trans-1,2-dichloroethene	U.S. EPA 8010	1 U	1 U
trans-1,3-dichloropropene	U.S. EPA 8010	1 U	1 U
Trichloroethene	U.S. EPA 8010	1 UJ	1 U
Trichlorofluoromethane	U.S. EPA 8010	1 U	1 U
Vinyl chloride	U.S. EPA 8010	1 UJ	1 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-2
POI[a] 7 Groundwater Total Threshold Limit Concentration Metals
(results reported in micrograms per liter)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID	
Analyte Name	**Method Code**	**WS-7 6.2 – 10 082GW0103**	**WS-8 3.8 – 7 082GW1004**
Antimony, total	U.S. EPA[c] 6010/7000	9 U	60.6
Arsenic, total	U.S. EPA 6010/7000	5.6 UJ	1,580
Barium, total	U.S. EPA 6010/7000	147 J	5,440
Beryllium, total	U.S. EPA 6010/7000	.21 U	80.5
Cadmium, total	U.S. EPA 6010/7000	1.4 U	7 U
Chromium, total	U.S. EPA 6010/7000	2.4 U	3,740
Cobalt, total	U.S. EPA 6010/7000	1.6 U	1,990
Copper, total	U.S. EPA 6010/7000	4.7 U	2,380
Lead, total	U.S. EPA 6010/7000	.4 UJ	1,760
Mercury, total	U.S. EPA 6010/7000	.15 U	.11 U
Molybdenum, total	U.S. EPA 6010/7000	23.5	195
Nickel, total	U.S. EPA 6010/7000	4.7 U	1,300
Selenium, total	U.S. EPA 6010/7000	1.3 U	96
Silver, total	U.S. EPA 6010/7000	1.2 U	29.6
Thallium, total	U.S. EPA 6010/7000	.9 R	5.6
Vanadium, total	U.S. EPA 6010/7000	12.7	9,460
Zinc, total	U.S. EPA 6010/7000	23.5 U	5,220

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-3
POI[a] 7 Soil Halogenated Volatile Organic Compounds
(results in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID															
Analyte Name	Method Code	SB-43 1 – 1.5 082SB0501	SB-43 6 – 6.5 082SB0601	SB-44 1 – 1.5 082SB0701	SB-44 6.5 – 7 082SB0801	SB-45 1 – 1.5 082SB0101	SB-45 7 – 7.5 082SB0201	SB-46 1 – 1.5 082SB0301	SB-46 6.5 – 7 082SB0401	SB-48 1.5 – 2 082SB4602	SB-48 1.5 – 2 082SB4802	SB-48 4.7 – 5.2 082SB4902	SB-48 5 – 5.5 082SB4702	WS-7 1 – 1.5 082SB0901	WS-7 5.8 – 6.3 082SB1001	WS-8 1.5 – 2 082SB5002	WS-8 3.7 – 4.2 082SB5102
1,1,1-trichloroethane	U.S. EPA[c] 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
1,1,2,2-tetrachloroethane	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 U	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
1,1,2-trichloroethane	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 U	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
1,1-dichloroethane	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 U	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
1,1-dichloroethene	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
1,2-dichlorobenzene	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
1,2-dichloroethane	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
1,2-dichloropropane	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
1,3-dichlorobenzene	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
1,4-dichlorobenzene	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
2-chloroethylvinyl ether	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 U	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
Bromodichloromethane	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
Bromoform	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 U	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
Bromomethane	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
Carbon tetrachloride	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 U	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
Chlorobenzene	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
Chloroethane	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
Chloroform	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 U	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
Chloromethane	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
cis-1,2-dichloroethene	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
cis-1,3-dichloropropene	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 U	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
Dibromochloromethane	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 U	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
Dichloromethane	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
Tetrachloroethene	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
trans-1,2-dichloroethene	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 UJ	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
trans-1,3-dichloropropene	U.S. EPA 8010	.0022 U	.0024 U	.0022 U	.0026 U	.002 U	.0028 U	.002 U	.0028 U	.002 U	.0022 U	.0024 U	.0022 U	.002 U	.0024 U	.0022 U	.0024 U
Trichloroethene	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U
Trichlorofluoromethane	U.S. EPA 8010	.0022 UJ	.0089 J	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0029	.0048	.002 UJ	.0024 UJ	.0032	.0024 U
Vinyl chloride	U.S. EPA 8010	.0022 UJ	.0024 UJ	.0022 UJ	.0026 UJ	.002 UJ	.0028 UJ	.002 UJ	.0028 UJ	.002 U	.0022 U	.0024 U	.0022 U	.002 UJ	.0024 UJ	.0022 U	.0024 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-4
POI[a] 7 Soil Total Threshold Limit Concentration Metals
(units reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID															
Analyte Name	**Method Code**	**SB-43 1.5 – 2 082SB0502**	**SB-43 6.5 – 7 082SB0602**	**SB-44 1.5 – 2 082SB0702**	**SB-44 7 – 7.5 082SB0802**	**SB-45 1.5 – 2 082SB0102**	**SB-45 7.5 – 8 082SB0202**	**SB-46 1.5 – 2 082SB0302**	**SB-46 7 – 7.5 082SB0402**	**SB-48 1 – 1.5 082SB4601**	**SB-48 1 – 1.5 082SB4801**	**SB-48 4.2 – 4.7 082SB4901**	**SB-48 4.5 – 5 082SB4701**	**WS-7 1.5 – 2 082SB0902**	**WS-7 6.3 – 6.8 082SB1002**	**WS-8 1 – 1.5 082SB5001**	**WS-8 3.7 – 4.2 082SB5101**
Antimony, total	U.S. EPA 6010/7000	.95 U	1.3 U	.95 U	1.3 U	.95 U	1.2 U	.94 U	1.3 U	1	.97 U	1 U	1.1 U	.95 U	1.1 U	.94 U	1.1 U
Arsenic, total	U.S. EPA 6010/7000	.34 UJ	8.3 J	.27 UJ	3 J	1.3 J	5.1 J	.36 UJ	2.9 J	.41	4.8	.21	2.3	.61 UJ	1.5 J	.15	.25
Barium, total	U.S. EPA 6010/7000	16.8	40.7	35.8	48.2	36.2	34.6	16.2	57.6	42.1	68.1	13.9	28.6	13.5	24.9	17.8	36.7
Beryllium, total	U.S. EPA 6010/7000	.05 U	.29	.11 U	.1 U	.098 U	.17 U	.052 U	.41	.07	.08	.06	.1	.05 U	.08 U	.062	.092
Cadmium, total	U.S. EPA 6010/7000	.15 U	.38	.15 U	.2 U	.15 U	.2	.15 U	.2 U	.15	.15 U	.16 U	.17 U	.15 U	.17 U	.15 U	.17 U
Chromium, total	U.S. EPA 6010/7000	5.3 J	25.8 J	11 J	22.3 J	9.7 J	14.9 J	8.1 J	29.9 J	11.5	24.3	7.6	12.3	6.3 J	7 J	8	8
Cobalt, total	U.S. EPA 6010/7000	1.4	5.2	7.7	4.2	2.8	3.5	1.1 U	5.2	2.5	10.2	1.3	2.4	1.8	2.2	1	2.6
Copper, total	U.S. EPA 6010/7000	2.1	9.9	4.7	9.2	4.6	6	2.3	10.3	5.5	27.2	2.2	4.6	2.5	3.1	2.4	2.7
Lead, total	U.S. EPA 6010/7000	1.1	4.5	.94	3.2	1.8	2.2	1.7	4.2	8	3.4	1.7	2.7	1.6	.94	2.5	1.6
Mercury, total (rep)	U.S. EPA 6010/7000									.013				.012			
Mercury, total	U.S. EPA 6010/7000	.01 U	.05 U	.01 U	.02 U	.015 U	.02 U	.01 U	.03 U	.02 U	.03 U	.011 U	.03 U	.01 U	.01 U	.01 U	.012 U
Molybdenum, total	U.S. EPA 6010/7000	.52 U	4.2	1.1 U	2.7	.97	7.9	.74 U	2.7	.9	1	.41	.77	.85 U	2.3	.48	.65
Nickel, total	U.S. EPA 6010/7000	7	8.5	4.1	10.9	6.6	4.9	11.9	8.6	4.8	10.2	2.2	3.9	3.2	1.9	1.6	2.2
Selenium, total	U.S. EPA 6010/7000	.06 UJ	.86 UJ	.06 UJ	.85 UJ	.63 UJ	1.2 J	.06 UJ	.84 UJ	.61 U	.65 U	.07 U	.071 U	.63 UJ	.07 UJ	.63 U	.071 U
Silver, total	U.S. EPA 6010/7000	.13 U	.88 U	.28 U	.17 U	.13 U	.39 U	.12 U	.17 U	.12 U	.13 U	.14 U	.14 U	.13 U	.15 U	.13 U	.14 U
Thallium, total	U.S. EPA 6010/7000	.09 U	.28	.09 U	.13 U	.15	.32	.12	.37	.09 U	.14	.1 U	.11	.1	.18	.09 U	.11 U
Vanadium, total	U.S. EPA 6010/7000	14.1	57.8	28.2	45.2	26	27.3	23.8	51.2	31	65.5	15.8	32.2	18.6	18.9	15.4	23.7
Zinc, total	U.S. EPA 6010/7000	6.4	33.7	16.5	34.1	14.4	19.2	9.4	39.7	31.6	28.4	7.5	19	9.1	10.2	7.1	14.6

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-5
POI[a] 20 Groundwater Halogenated Volatile Organic Compounds
(results reported in micrograms per liter)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID		
Analyte Name	Method Code	WS-2 6.7 – 10 082GW0202	WS-2 6.7 – 10 082GW0501	WS-9 6.8 – 10 082GW0601
1,1,1-trichloroethane	U.S. EPA[c] 8010	1 U	1 U	1 U
1,1,2,2-tetrachloroethane	U.S. EPA 8010	1 U	1 U	1 U
1,1,2-trichloroethane	U.S. EPA 8010	1 U	1 U	1 U
1,1-dichloroethane	U.S. EPA 8010	1 U	1 U	1 U
1,1-dichloroethene	U.S. EPA 8010	1 U	1 U	1 U
1,2-dichlorobenzene	U.S. EPA 8010	1 U	1 U	1 U
1,2-dichloroethane	U.S. EPA 8010	1 U	1 U	1 U
1,2-dichloropropane	U.S. EPA 8010	1 UJ	1 U	1 U
1,3-dichlorobenzene	U.S. EPA 8010	1 UJ	1 U	1 U
1,4-dichlorobenzene	U.S. EPA 8010	1 UJ	1 U	1 U
2-chloroethylvinyl ether	U.S. EPA 8010	1 UJ	1 U	1 U
Bromodichloromethane	U.S. EPA 8010	1 UJ	1 U	1 U
Bromoform	U.S. EPA 8010	1 UJ	1 U	1 U
Bromomethane	U.S. EPA 8010	1 UJ	1 U	1 U
Carbon tetrachloride	U.S. EPA 8010	1 UJ	1 U	1 U
Chlorobenzene	U.S. EPA 8010	1 U	1 U	1 U
Chloroethane	U.S. EPA 8010	1 UJ	1 U	1 U
Chloroform	U.S. EPA 8010	1 U	1 U	1 U
Chloromethane	U.S. EPA 8010	1 UJ	1 U	1 U
cis-1,2-dichloroethene	U.S. EPA 8010	1 U	1 U	1 U
cis-1,3-dichloropropene	U.S. EPA 8010	1 U	1 U	1 U
Dibromochloromethane	U.S. EPA 8010	1 UJ	1 U	1 U
Dichloromethane	U.S. EPA 8010	1 UJ	1 U	1 U
Tetrachloroethene	U.S. EPA 8010	1 U	1 U	1 U
trans-1,2-dichloroethene	U.S. EPA 8010	1 U	1 U	1 U
trans-1,3-dichloropropene	U.S. EPA 8010	1 U	1 U	1 U
Trichloroethene	U.S. EPA 8010	1 U	1 U	1 U
Trichlorofluoromethane	U.S. EPA 8010	1 UJ	1 U	1 U
Vinyl chloride	U.S. EPA 8010	1 U	1 U	1 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-6
POI[a] 20 Groundwater Total Threshold Limit Concentrations
(results reported in milligrams per liter)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID		
Analyte Name	Method Code	WS-2 6.7 – 10 082GW0208	WS-2 6.7 – 10 082GW0505	WS-9 6.8 – 10 082GW0606
Antimony, total	U.S. EPA[c] 6010/7000	9 U	9 U	9 U
Arsenic, total	U.S. EPA 6010/7000	8 UJ	17.7	6 U
Barium, total	U.S. EPA 6010/7000	136 J	599	673
Beryllium, total	U.S. EPA 6010/7000	.2 U	2.3	3.4
Cadmium, total	U.S. EPA 6010/7000	1.4 U	2.9	3.3
Chromium, total	U.S. EPA 6010/7000	1.7 U	183	233
Cobalt, total	U.S. EPA 6010/7000	5.6 U	34.6	46.9
Copper, total	U.S. EPA 6010/7000	4.6 U	82.4	102
Lead, total	U.S. EPA 6010/7000	1.2 J	127	123
Mercury, total (rep)	U.S. EPA 6010/7000	.16		
Mercury, total	U.S. EPA 6010/7000	.15 U	.11 U	.11 U
Molybdenum, total	U.S. EPA 6010/7000	20.6	55.2	24.3
Nickel, total	U.S. EPA 6010/7000	3.6 U	48.6	65.9
Selenium, total	U.S. EPA 6010/7000	15	6 R	6 R
Silver, total	U.S. EPA 6010/7000	1.2 U	5.5	1.2
Thallium, total	U.S. EPA 6010/7000	9 R	9 R	9 R
Vanadium, total	U.S. EPA 6010/7000	15.2	404	535
Zinc, total	U.S. EPA 6010/7000	39.5 U	384	434

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-7
POI[a] 20 Soil Halogenated Volatile Organic Compounds
(results reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID															
Analyte Name	Method Code	SB-21 1.5 – 2 082SB1302	SB-21 5.5 – 6 082SB1402	SB-22 1.5 – 2 082SB1102	SB-22 6 – 6.5 082SB1202	SB-23 1.5 – 2 082SB2502	SB-23 7 – 7.5 082SB2602	SB-24 2.5 – 3 082SB2102	SB-24 6.5 – 7 082SB2202	SB-25 1.5 – 2 082SB1502	SB-25 5.5 – 6 082SB1602	SB-26 1.5 – 2 082SB1902	SB-26 6 – 6.5 082SB2002	WS-2 1.6 – 2.1 082SB1702	WS-2 5.5 – 6 082SB1802	WS-9 1.5 – 2 082SB2302	WS-9 7.5 – 8 082SB2402
1,1,1-trichloroethane	U.S. EPA[c] 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,1,2,2-tetrachloroethane	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0022 U
1,1,2-trichloroethane	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,1-dichloroethane	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,1-dichloroethene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,2-dichlorobenzene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,2-dichloroethane	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,2-dichloropropane	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,3-dichlorobenzene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
1,4-dichlorobenzene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
2-chloroethylvinyl ether	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Bromodichloromethane	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Bromoform	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0022 U
Bromomethane	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0022 U
Carbon tetrachloride	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0022 U
Chlorobenzene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Chloroethane	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Chloroform	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0022 U
Chloromethane	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
cis-1,2-dichloroethene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
cis-1,3-dichloropropene	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Dibromochloromethane	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0022 U
Dichloromethane	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Tetrachloroethene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
trans-1,2-dichloroethene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
trans-1,3-dichloropropene	U.S. EPA 8010	.002 U	.0024 U	.0022 U	.0024 U	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Trichloroethene	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U
Trichlorofluoromethane	U.S. EPA 8010	.0038 J	.0043 J	.0021 J	.0024 UJ	.002 U	.0021	.0022 U	.0024 U	.0052 J	.0076 J	.0022 U	.0024 U	.0064 J	.0024 UJ	.002 U	.0022 U
Vinyl chloride	U.S. EPA 8010	.002 UJ	.0024 UJ	.0022 UJ	.0024 UJ	.002 U	.0022 U	.0022 U	.0024 U	.0022 UJ	.0022 UJ	.0022 U	.0024 U	.002 UJ	.0024 UJ	.002 U	.0022 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-8
POI[a] 20 Organochlorine
(results reported in micrograms per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID															
Analyte Name	Method Code	SB-21 1 – 1.5 082SB1301	SB-21 5 – 5.5 082SB1401	SB-22 1.5 – 2 082SB1102	SB-22 6 – 6.5 082SB1202	SB-23 1.5 – 2 082SB2502	SB-23 7 – 7.5 082SB2602	SB-24 2.5 – 3 082SB2102	SB-24 6.5 –7 082SB2202	SB-25 1.5 – 2 082SB1502	SB-25 5 – 5.5 082SB1601	SB-26 1 – 1.5 082SB1901	SB-26 5.5 – 6 082SB2001	WS-2 1.1 – 1.6 082SB1701	WS-2 5 – 5.5 082SB1801	WS-9 1 – 1.5 082SB2301	WS-9 7 – 7.5 082SB2401
4,4'-DDD[c]	U.S. EPA[d] 8080	4.2 U	25 U	4.2 U	5 U	4.3 U	4.8 U	4.2 U	5 U	4.2 UJ	4.4 UJ	4.3 U	4.4 U	4.3 UJ	4.2 UJ	4.2 U	4.2 U
4,4'-DDE[e]	U.S. EPA 8080	4.2 UJ	25 UJ	4.2 UJ	5 UJ	4.3 U	4.8 U	3.5	5 U	4.2 U	4.4 U	4.3 U	4.4 U	4.3 U	4.2 U	4.2 U	4.2 U
4,4'-DDT[f]	U.S. EPA 8080	4.2 U	25 U	4.2 U	5 U	4.3 U	4.8 U	4.2 U	5 U	4.2 UJ	4.4 UJ	4.3 U	2.6	4.3 UJ	4.2 UJ	4.2 U	4.2 U
Aldrin	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Alpha-BHC[g]	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	1.1 J	2.1 U	2.1 U
Alpha-chlordane	U.S. EPA 8080	4.2 U	25 U	4.2 U	5 U	4.3 U	4.8 U	4.2 U	5 U	4.2 U	4.4 U	4.3 U	4.4 U	4.3 U	4.2 U	4.2 U	4.2 U
Aroclor 1242	U.S. EPA 8080	21 U	130 U	21 U	25 U	22 U	24 U	21 U	25 U	21 U	22 U	22 U	22 U	21 U	21 U	21 U	21 U
beta-BHC	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
delta-BHC	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Dieldrin	U.S. EPA 8080	4.2 U	25 U	4.2 U	5 U	4.3 U	4.8 U	4.2 U	5 U	4.2 U	4.4 U	4.3 U	4.4 U	4.3 U	4.2 U	4.2 U	4.2 U
Endosulfan I	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Endosulfan II	U.S. EPA 8080	4.2 UJ	25 UJ	4.2 UJ	5 UJ	4.3 U	4.8 U	4.2 U	5 U	4.2 U	4.4 U	4.3 U	4.4 U	4.3 U	4.2 U	4.2 U	4.2 U
Endosulfan sulfate	U.S. EPA 8080	4.2 UJ	25 UJ	4.2 UJ	5 UJ	4.3 U	4.8 U	4.2 U	5 U	4.2 U	4.4 U	4.3 U	4.4 U	4.3 U	4.2 U	4.2 U	4.2 U
Endrin	U.S. EPA 8080	4.2 U	25 U	4.2 U	5 U	4.3 U	4.8 U	4.2 U	5 U	4.2 UJ	4.4 UJ	4.3 U	4.4 U	4.3 UJ	4.2 UJ	4.2 U	4.2 U
Endrin aldehyde	U.S. EPA 8080	4.2 UJ	25 UJ	4.2 UJ	5 UJ	4.3 U	4.8 U	4.2 U	5 U	4.2 U	4.4 U	4.3 U	4.4 U	4.3 U	4.2 U	4.2 U	4.2 U
gamma-BHC (lindane)	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
gamma-chlordane	U.S. EPA 8080	4.2 U	25 U	4.2 U	5 U	4.3 U	4.8 U	4.2 U	5 U	4.2 U	4.4 U	4.3 U	4.4 U	4.3 U	4.2 U	4.2 U	4.2 U
Heptachlor	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Heptachlor epoxide	U.S. EPA 8080	2.1 U	13 U	2.1 U	2.5 U	2.2 U	2.4 U	2.1 U	2.5 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U
Methoxychlor	U.S. EPA 8080	21 UJ	130 UJ	21 UJ	25 UJ	22 U	24 U	21 U	25 U	21 UJ	22 UJ	22 U	22 U	21 UJ	21 UJ	21 U	21 U
PCB[h]-1016	U.S. EPA 8080	21 U	130 U	21 U	25 U	22 U	24 U	21 U	25 U	21 U	22 U	22 U	22 U	21 U	21 U	21 U	21 U
PCB-1221	U.S. EPA 8080	21 U	130 U	21 U	25 U	22 U	24 U	21 U	25 U	21 U	22 U	22 U	22 U	21 U	21 U	21 U	21 U
PCB-1232	U.S. EPA 8080	21 U	130 U	21 U	25 U	22 U	24 U	21 U	25 U	21 U	22 U	22 U	22 U	21 U	21 U	21 U	21 U
PCB-1248	U.S. EPA 8080	21 U	130 U	21 U	25 U	22 U	24 U	21 U	25 U	21 U	22 U	22 U	22 U	21 U	21 U	21 U	21 U
PCB-1254	U.S. EPA 8080	21 U	130 U	21 U	25 U	22 U	24 U	21 U	25 U	21 U	22 U	22 U	22 U	21 U	21 U	21 U	21 U
PCB-1260	U.S. EPA 8080	21 U	130 U	21 U	25 U	22 U	24 U	21 U	25 U	21 U	22 U	22 U	22 U	21 U	21 U	21 U	21 U
Toxaphene	U.S. EPA 8080	42 U	250 U	42 U	50 U	43 U	48 U	42 U	50 U	42 U	44 U	43 U	44 U	43 U	42 U	42 U	42 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] DDD – dichlorodiphenyldichloroethane
[d] U.S. EPA – United States Environmental Protection Agency
[e] DDE – dichlorodiphenyldichloroethene
[f] DDT – dichlorodiphenyltrichloroethane
[g] BHC – benzene hexachloride
[h] PCB – polychlorinated biphenyl

Table C-9
POI [a]20 Soil Total Threshold Limit Concentration Metals
(results reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID															
Analyte Name	Method Code	SB-21 1 – 1.5 082SB1301	SB-21 5 – 5.5 082SB1401	SB-22 1 – 1.5 082SB1101	SB-22 5.5 – 6 082SB1201	SB-23 1 – 1.5 082SB2501	SB-23 6.5 – 7 082SB2601	SB-24 2 – 2.5 082SB2101	SB-24 6 – 6.5 082SB2201	SB-25 1 – 1.5 082SB1501	SB-25 5 – 5.5 082SB1601	SB-26 1 – 1.5 082SB1901	SB-26 5.5 – 6 082SB2001	WS-2 1.1 – 1.6 082SB1701	WS-2 5 – 5.5 082SB1801	WS-9 1 – 1.5 082SB2301	WS-9 7 – 7.5 082SB2401
Antimony, total	U.S. EPA 6010/7000	.95 U	1.1 U	.95 U	1.1 U	.97 U	1.1 U	.95 U	1.1 U	.95 U	.99 U	.97 U	.98 U	.96 U	.95 U	.93 U	.94 U
Arsenic, total	U.S. EPA 6010/7000	3.9 J	2.7 J	4 J	2.1 J	2.1	.45	2.1	.61	1.8 J	.56 UJ	1.8	.57	2.9 J	.62 UJ	.67	1.2
Barium, total	U.S. EPA 6010/7000	27.1	117	37.2	67.4	20.1	37.5	25.6	29.5	24.8	15.4	25	19.8	24.8	21.1	16	21.2
Beryllium, total	U.S. EPA 6010/7000	.07 U	.05 U	.09 U	.11 U	.07	.08	.9	.08	.06 U	.06 U	.09	.06	.08 U	.07 U	.06	.06
Cadmium, total	U.S. EPA 6010/7000	.15 U	.18 U	.15 U	.17 U	.15 U	.17 U	.18	.17 U	.15 U	.15 U	.15 U	.15 U	.15 U	.15 U	.15 U	.15 U
Chromium, total	U.S. EPA 6010/7000	6.9 J	23.7 J	9.7 J	13.2 J	6.1	11.6	7.6	8	6.3 J	6.4 J	8.2	6.2	8.1 J	7.5 J	5.2	5.9
Cobalt, total	U.S. EPA 6010/7000	2.2	5.4	2.3	2.9	1.7	2	2.7	1.7	2.1	1.3	2.5	1.3	2.5	1.8	1.4	1.1
Copper, total	U.S. EPA 6010/7000	3.8	9.6	5.4	5	4.9	3.5	4.2	3.1	2.8	2.4	3.6	2.3	3.9	3.1	3	2.5
Lead, total	U.S. EPA 6010/7000	3.8	1.8	15.1	2	2.1	1.3	5.4	1.1	1.6	.95	3.3	1.4	3.1	1.1	2.1	3.3
Mercury, tot (rep)	U.S. EPA 6010/7000			.019													.016
Mercury, total	U.S. EPA 6010/7000	.03 U	.02 U	.02 U	.01 U	.02	.02	.02	.03	.02 U	.01 U	.02	.02	.04 U	.01 U	.02	.02
Molybdenum, total	U.S. EPA 6010/7000	.58 U	1.6	.59 U	1.3 U	.46	.53	.37	.39	.48 U	.33 U	.36	.33	.79 U	.65 U	.18 U	.35
Nickel, total	U.S. EPA 6010/7000	2.4	6.1	3.4	3.2	1.8	2.9	5.3	2.1	2.1	2	2.7	1.5	2.6	2.2	1.6	1.5
Selenium, total	U.S. EPA 6010/7000	.06 UJ	.75 UJ	.63 UJ	.75 UJ	.65 U	.72 U	.64 U	.07 U	.63 UJ	.07 UJ	.65 U	.07 U	.64 UJ	.06 UJ	.06 U	.06 U
Silver, total	U.S. EPA 6010/7000	.2 U	.15 U	.13 U	.58 U	.13 U	.14 U	.28	.15 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.12 U	.12 U
Thallium, total	U.S. EPA 6010/7000	.18	.28	.15	.37	.19	.29	.1 U	.11 U	.14	.11	.53	.1 U	.14	.11	.09 U	.09 U
Vanadium, total	U.S. EPA 6010/7000	17.9	51.5	19	34.1	15.1	24.6	19.6	18	17.9	13.8	19.3	16.4	19.9	18.7	15.4	16.6
Zinc, total	U.S. EPA 6010/7000	14.4	36.5	51.2	19.6	24.7	11.4	156	10.5	14.9	8	16.4	10.3	22.7	12.3	13.5	13.1

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[d] U.S. EPA – United States Environmental Protection Agency

Table C-10
POI[a] 26 Groundwater BTEX[b]
(results reported in micrograms per liter)

		STATION/DEPTH (feet bgs[c])/CONTAINER ID		
Analyte Name	Method Code	WS-3 6 – 10 082GW0701	WS-3 6 – 10 082GW0801	WS-4A 6.3 – 10 082GW0901
Benzene	U.S. EPA[d] 8020	1 U	1 U	1 U
Ethylbenzene	U.S. EPA 8020	1 U	1 U	1 U
Toluene	U.S. EPA 8020	1 U	1 U	1 U
Xylenes	U.S. EPA 8020	1 U	1 U	1 U

Notes:
[a] POI – point of interest
[b] BTEX – benzene, toluene, ethylbenzene, and xylenes
[c] bgs – below ground surface
[d] U.S. EPA – United States Environmental Protection Agency

Table C-11
POI[a] 26 Groundwater Total Threshold Limit Concentrations
(results reported micrograms per liter)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID		
Analyte Name	Method Code	WS-3 6 – 10 082GW0708	WS-3 6 – 10 082GW0808	WS-4A 6.3 – 10 082GW0908
Antimony, total	U.S. EPA[c] 6010/7000	9 U	15.4	19.3
Arsenic, total	U.S. EPA 6010/7000	15	27.7	33.8
Barium, total	U.S. EPA 6010/7000	376	650	1360
Beryllium, total	U.S. EPA 6010/7000	.58	1.4	3.5
Cadmium, total	U.S. EPA 6010/7000	1.4 U	1.4 U	3.5
Chromium, total	U.S. EPA 6010/7000	188	260	335
Cobalt, total	U.S. EPA 6010/7000	11.5	26.2	62.3
Copper, total	U.S. EPA 6010/7000	41.3	61.3	136
Lead, total	U.S. EPA 6010/7000	26.5	38.4	271
Mercury, total	U.S. EPA 6010/7000	.11 U	.11 U	.11 U
Molybdenum, total	U.S. EPA 6010/7000	13.3	17.4	36.4
Nickel, total	U.S. EPA 6010/7000	103	135	101
Selenium, total	U.S. EPA 6010/7000	6 U	6 U	6 U
Silver, total	U.S. EPA 6010/7000	1.2 U	3.1	1.2 U
Thallium, total	U.S. EPA 6010/7000	.9 U	.9 U	9
Vanadium, total	U.S. EPA 6010/7000	101	268	670
Zinc, total	U.S. EPA 6010/7000	183	290	478

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-12
POI[a] 26 Soil BTEX[b]
(results reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[c])/CONTAINER ID																
Analyte Name	Method Code	SB-28 5 – 5.5 082SB2902	SB-28 6.5 – 7 082SB3202	SB-28 7.5 – 8 082SB3302	SB-30 5 – 5.5 082SB3002	SB-30 6.5 – 7 082SB3402	SB-32 5 – 5.5 082SB3102	SB-32 7 – 7.5 082SB3502	SB-33 1.5 – 2 082SB3902	SB-33 5.5 – 6 082SB4002	SB-34 1.5 – 2 082SB3802	SB-34 5.5 – 6 082SB4202	WS-3 1.5 – 2 082SB3702	WS-3 5.7 – 6.2 082SB4302	WS-3 7 – 7.5 082SB4402	WS-4 1.3 – 1.8 082SB3602	WS-4A 1.5 – 2 082SB4102	WS-4A 6 – 6.5 082SB4502
Benzene	U.S. EPA[d] 8020	.0022 U	.0024 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0024 U	.0022 U	.0026 U	.0024 U	.0022 U	.0022 U	.0022 U
Ethylbenzene	U.S. EPA 8020	.0022 U	.0024 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0024 U	.0022 U	.0026 U	.0024 U	.0022 U	.0022 U	.0022 U
Toluene	U.S. EPA 8020	.0022 U	.0024 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0024 U	.0022 U	.0026 U	.0024 U	.0022 U	.0022 U	.0022 U
Xylenes	U.S. EPA 8020	.0022 U	.0024 U	.0024 U	.0022 U	.0022 U	.0022 U	.0024 U	.002 U	.0024 U	.002 U	.0024 U	.0022 U	.0026 U	.0024 U	.0022 U	.0022 U	.0022 U

Notes:
[a] POI – point of interest
[b] BTEX – benzene, toluene, ethylbenzene, and xylenes
[c] bgs – below ground surface
[d] U.S. EPA – United States Environmental Protection Agency

Table C-13
POI[a] 26 Soil Total Threshold Limit Concentrations
(results in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID															
Analyte Name	**Method Code**	**SB-28 4.5 – 5 082SB2901**	**SB-28 7 – 7.5 082SB3301**	**SB-30 4.5 – 5 082SB3001**	**SB-30 6 – 6.5 082SB3401**	**SB-32 4.5 – 5 082SB3101**	**SB-32 6.5 – 7 082SB3501**	**SB-33 1 – 1.5 082SB3901**	**SB-33 5 – 5.5 082SB4001**	**SB-34 1 – 1.5 082SB3801**	**SB-34 5 – 5.5 082SB4201**	**WS-3 1 – 1.5 082SB3701**	**WS-3 5.2 – 5.7 082SB4301**	**WS-3 6.2 – 6.7 082SB4401**	**WS-4 .8 – 1.3 082SB3601**	**WS-4A 1 – 1.5 082SB4101**	**WS-4A 5.5 – 6 082SB4501**
Antimony, total	U.S. EPA 6010/7000	0.95 U	.98 U	.97 U	.98 U	.93 U	.98 U	.91 U	1 U	.95 U	1.1 U	.95 U	.97 U	1.1 U	.96 U	.95 U	1.1 U
Arsenic, total	U.S. EPA 6010/7000	0.18	.17	.06 U	.07 U	.19	.15	.31	.46	.18	.22	.17	.06 U	1.5	2.1	4.4	.17
Barium, total	U.S. EPA 6010/7000	32.8	41.6	19.3	15.5	15.1	25.7	23.5	27.5	15.4	31.6	30.6	25.5	66.5	58.1	91.9	20.9
Beryllium, total	U.S. EPA 6010/7000	0.07	.07	.07	.06	.06	.08	.09	.07	.06	.06	.11	.08	.18	.15	.21	.05
Cadmium, total	U.S. EPA 6010/7000	0.15 U	.15 U	.15 U	.15 U	.14 U	.15 U	.14 U	.16 U	.15 U	.17 U	.15 U	.15 U	.17 U	.15 U	.15 U	.16 U
Chromium, total	U.S. EPA 6010/7000	4.8	5.8	5.7	4.9	5.1	6.5	6.7 U	5.4 U	4.9 U	5.5 U	8.6 U	5.5 U	12.1 U	7.7	12.1 U	4.9 U
Cobalt, total	U.S. EPA 6010/7000	1.2	1	1.1	1.1	.99	1.2	1.8	1.2	1.6	1.2	2.1	1.2	2.3	5.8	3.9	.84
Copper, total	U.S. EPA 6010/7000	2.1	2.2	2.4	3.3	1.8	2.3	5.5	2.6	2.5	2.2	6.5	2.4	4.5	6.6	38.1	2
Lead, total	U.S. EPA 6010/7000	0.79 U	.81 U	1.3 U	.74 U	.66 U	.94 U	11.7	1.3	2.3	1	6.5	1.5	2.3	4.6	13.1	.97
Mercury, total	U.S. EPA 6010/7000	0.03 U	.02 U	.01 U	.01 U	.01 U	.01 U	.08 U	.05 U	.02 U	.03 U	.06 U	.01 U	.01 U	.03 U	.25 U	.02 U
Molybdenum, total	U.S. EPA 6010/7000	0.44	.54	.32	.4	.33	.24	.55	.52	.42	.6	.67	.34	1.1	1.2	.76	.57
Nickel, total	U.S. EPA 6010/7000	1.4	1.2	1.5	1.3	1.5	1.7	3.3 U	2.4 U	1.5 U	1.5 U	2.2 U	1.6 U	3.2 U	2.5	4.9 U	.91 U
Selenium, total	U.S. EPA 6010/7000	0.06 U	.07 U	.06 U	.07 U	.06 U	.07 U	.06 U	.07 U	.06 U	.07 U	.06 U	.06 U	.07 U	.64 U	.64 U	.07 U
Silver, total	U.S. EPA 6010/7000	0.45	.14	.13 U	.13 U	.12 U	.13 U	.12 U	.14 U	.13 U	.14 U	.13 U	.13 U	.15 U	.4	.14	.14 U
Thallium, total	U.S. EPA 6010/7000	0.09 U	.12	.1 U	.01 U	.09 U	.01 U	.12	.1 U	.14	.16	.18	.14	.28	.15	.22	.17
Vanadium, total	U.S. EPA 6010/7000	13.0	16.4	14.8	12.3	15.4	17.7	17.4	13.8	13.7	13.8	22.4	16.7	34.5	23.1	31.5	14
Zinc, total	U.S. EPA 6010/7000	7.9 U	8.2 U	9.4 U	9.4 U	7.4 U	8.8 U	23.8	8.4 U	10.7 U	8.2 U	24	9.3 U	16.8 U	30.4	33.4	9.6 U

Notes:
a POI – point of interest
b bgs – below ground surface
c U.S. EPA – United States Environmental Protection Agency

Table C-14
POI[a] 28 Organochlorine
(results reported in micrograms per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID															
Analyte Name	Method Code	SB-13 1-1_5 082SB7201	SB-13 3-3_5 082SB7301	SB-14 1-1_5 082SB5801	SB-14 3-3_5 082SB5901	SB-15 1-1_5 082SB6001	SB-15 1-1_5 082SB6201	SB-15 3-3_5 082SB6101	SB-15 3-3_5 082SB6301	SB-17 1-1_5 082SB6601	SB-17 3-3_5 082SB6701	SB-18 1-1_5 082SB6401	SB-18 3-3_5 082SB6501	SB-19 1-1_5 082SB6801	SB-19 3-3_5 082SB6901	SB-20 1-1_5 082SB7001	SB-20 3-3_5 082SB7101
4,4'-DDD[c]	U.S. EPA[d] 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	43 U	4.1 U	4.2 U	4.2 U	4.2 U
4,4'-DDE[e]	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	31	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
4,4'-DDT[f]	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	120	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Aldrin	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Alpha-BHC[g]	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Alpha-chlordane	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Aroclor-1242	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
Beta-BHC	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Delta-BHC	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Dieldrin	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Endosulfan I	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Endosulfan II	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Endosulfan sulfate	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Endrin	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Endrin aldehyde	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Gamma-BHC (lindane)	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Gamma-chlordane	U.S. EPA 8080	4.2 U	4.2 U	4.3 U	4.3 U	4.2 U	4.3 R	21 U	8.3 U	4.3 U	4.2 U	4.2 U	4.3 U	4.1 U	4.2 U	4.2 U	4.2 U
Heptachlor	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Heptachlor epoxide	U.S. EPA 8080	2.1 U	2.1 U	2.2 U	2.2 U	2.1 U	2.1 R	11 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Methoxychlor	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
PCB[h]-1016	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
PCB-1221	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
PCB-1232	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
PCB-1248	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
PCB-1254	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
PCB-1260	U.S. EPA 8080	21 U	21 U	22 U	22 U	21 U	21 R	110 U	41 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
Toxaphene	U.S. EPA 8080	42 U	42 U	43 U	43 U	42 U	43 R	210 U	83 U	43 U	42 U	42 U	43 U	41 U	42 U	42 U	42 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] DDD – dichlorodiphenyldichloroethane
[d] U.S. EPA – United States Environmental Protection Agency
[e] DDE – dichlorodiphenyldichloroethene
[f] DDT – dichlorodiphenyltrichloroethane
[g] BHC – benzene hexachloride
[h] PCB – polychlorinated biphenyl

Table C-15
POI[a] 29 Soil Total Threshold Limit Concentrations
(results reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID	
		SB-35 1 – 1.4 082SB2701	SB-36 1 – 1.6 082SB2801
Analyte Name	**Method Code**		
Antimony, total	U.S. EPA[c] 6010/7000	12.1	2.5
Arsenic, total	U.S. EPA 6010/7000	3.1	5.8
Barium, total	U.S. EPA 6010/7000	45.1	38.4
Beryllium, total	U.S. EPA 6010/7000	.18	.34
Cadmium, total	U.S. EPA 6010/7000	.15	.15
Chromium, total	U.S. EPA 6010/7000	12.8	15
Cobalt, total	U.S. EPA 6010/7000	3.7	5.3
Copper, total	U.S. EPA 6010/7000	12.4	8.2
Lead	U.S. EPA 6010/7000	2,550	476
Mercury, total	U.S. EPA 6010/7000	.06 U	.07 U
Molybdenum, total	U.S. EPA 6010/7000	.61	.9
Nickel, total	U.S. EPA 6010/7000	4.7	7.5
Selenium, total	U.S. EPA 6010/7000	.65	.66
Silver, total	U.S. EPA 6010/7000	.66	.33
Thallium, total	U.S. EPA 6010/7000	.31	.24
Vanadium, total	U.S. EPA 6010/7000	29.2	36.6
Zinc, total	U.S. EPA 6010/7000	27.6	48

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-16
POI[a] 46 Groundwater Halogenated Volatile Organic Compounds
(results reported in micrograms per liter)

Analyte Name	Method Code	STATION/DEPTH (feet bgs[b])/CONTAINER ID WS-1 6.5 – 10 082GW1101
1,1,1-trichloroethane	U.S. EPA[c] 8010	1 U
1,1,2,2-tetrachloroethane	U.S. EPA 8010	1 U
1,1,2-trichloroethane	U.S. EPA 8010	1 U
1,1-dichloroethane	U.S. EPA 8010	1 U
1,1-dichloroethene	U.S. EPA 8010	1 U
1,2-dichlorobenzene	U.S. EPA 8010	1 U
1,2-dichloroethane	U.S. EPA 8010	1 U
1,2-dichloropropane	U.S. EPA 8010	1 U
1,3-dichlorobenzene	U.S. EPA 8010	1 U
1,4-dichlorobenzene	U.S. EPA 8010	1 U
2-chloroethylvinyl ether	U.S. EPA 8010	1 U
Bromodichloromethane	U.S. EPA 8010	1 U
Bromoform	U.S. EPA 8010	1 U
Bromomethane	U.S. EPA 8010	1 U
Carbon tetrachloride	U.S. EPA 8010	1 U
Chlorobenzene	U.S. EPA 8010	1 U
Chloroethane	U.S. EPA 8010	1 U
Chloroform	U.S. EPA 8010	1 U
Chloromethane	U.S. EPA 8010	1 U
cis-1,2-dichloroethene	U.S. EPA 8010	1 U
cis-1,3-dichloropropene	U.S. EPA 8010	1 U
Dibromochloromethane	U.S. EPA 8010	1 U
Dichloromethane	U.S. EPA 8010	1 U
Tetrachloroethene	U.S. EPA 8010	1 U
trans-1,2-dichloroethene	U.S. EPA 8010	1 U
trans-1,3-dichloropropene	U.S. EPA 8010	1 U
Trichloroethene	U.S. EPA 8010	1 U
Trichlorofluoromethane	U.S. EPA 8010	1 U
Vinyl chloride	U.S. EPA 8010	1 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-17
POI[a] 46 Soil Halogenated Volatile Organic Compounds
(results reported in milligams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID	
Analyte Name	Method Code	WS-1 1.5 – 2 082SB5202	WS-1 6.1 – 6.6 082SB5302
1,1,1-trichloroethane	U.S. EPA[c] 8010	.002 U	.0026 U
1,1,2,2-tetrachloroethane	U.S. EPA 8010	.002 U	.0026 U
1,1,2-trichloroethane	U.S. EPA 8010	.002 U	.0026 U
1,1-dichloroethane	U.S. EPA 8010	.002 U	.0026 U
1,1-dichloroethene	U.S. EPA 8010	.002 U	.0026 U
1,2-dichlorobenzene	U.S. EPA 8010	.002 U	.0026 U
1,2-dichloroethane	U.S. EPA 8010	.002 U	.0026 U
1,2-dichloropropane	U.S. EPA 8010	.002 U	.0026 U
1,3-dichlorobenzene	U.S. EPA 8010	.002 U	.0026 U
1,4-dichlorobenzene	U.S. EPA 8010	.002 U	.0026 U
2-chloroethylvinyl ether	U.S. EPA 8010	.002 U	.0026 U
Bromodichloromethane	U.S. EPA 8010	.002 U	.0026 U
Bromoform	U.S. EPA 8010	.002 U	.0026 U
Bromomethane	U.S. EPA 8010	.002 U	.0026 U
Carbon tetrachloride	U.S. EPA 8010	.002 U	.0026 U
Chlorobenzene	U.S. EPA 8010	.002 U	.0026 U
Chloroethane	U.S. EPA 8010	.002 U	.0026 U
Chloroform	U.S. EPA 8010	.002 U	.0026 U
Chloromethane	U.S. EPA 8010	.002 U	.0026 U
cis-1,2-dichloroethene	U.S. EPA 8010	.002 U	.0026 U
cis-1,3-dichloropropene	U.S. EPA 8010	.002 U	.0026 U
Dibromochloromethane	U.S. EPA 8010	.002 U	.0026 U
Dichloromethane	U.S. EPA 8010	.002 U	.0026 U
Tetrachloroethene	U.S. EPA 8010	.002 U	.0026 U
trans-1,2-dichloroethene	U.S. EPA 8010	.002 U	.0026 U
trans-1,3-dichloropropene	U.S. EPA 8010	.002 U	.0026 U
Trichloroethene	U.S. EPA 8010	.002 U	.0026 U
Trichlorofluoromethane	U.S. EPA 8010	.0024	.0048
Vinyl chloride	U.S. EPA 8010	.002 U	.0026 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-18
POI[a] 48 Soil Halogenated Volatile Organic Compounds
(results reported in milligams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID											
Analyte Name	Method Code	SB-1 1.5 – 2 082SB9201	SB-1 4.5 – 5 082SB9301	SB-10 1.5 – 2 082SB8602	SB-10 4.5 – 5 082SB8701	SB-11 1.5 – 2 082SB8202	SB-11 5 – 5.5 082SB8302	SB-12 1.5 – 2 082SB8402	SB-12 5.3 – 5.8 082SB8502	SB-2 1.5 – 2 082SC0502	SB-2 5 – 5.5 082SC0602	SB-3 1 – 1.5 082SB9401	SB-3 4.5 – 5 082SB9501
1,1,1-trichloroethane	U.S EPA[c] 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,1,2,2-tetrachloroethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,1,2-trichloroethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,1-dichloroethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,1-dichloroethene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,2-dichlorobenzene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,2-dichloroethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,2-dichloropropane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,3-dichlorobenzene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
1,4-dichlorobenzene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
2-chloroethylvinyl ether	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Bromodichloromethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Bromoform	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Bromomethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Carbon tetrachloride	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Chlorobenzene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Chloroethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Chloroform	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Chloromethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
cis-1,2-dichloroethene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
cis-1,3-dichloropropene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Dibromochloromethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Dichloromethane	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Tetrachloroethene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
trans-1,2-dichloroethene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
trans-1,3-dichloropropene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Trichloroethene	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U
Trichlorofluoromethane	U.S EPA 8010	.0022 U	.0022 U	.0027	.002 U	.0029	.0024	.002 U	.0025	.0086	.0022 U	.0022 U	.0024 U
Vinyl chloride	U.S EPA 8010	.0022 U	.0022 U	.002 U	.002 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0024 U

(table cntinues)

Table C-18 (continued)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID											
Analyte Name	**Method Code**	**SB-4 1.5 – 2 082SC0302**	**SB-4 5 – 5.5 082SC0402**	**SB-5 1.5 – 2 082SC0102**	**SB-5 5 – 5.5 082SC0202**	**SB-6 1.5 – 2 082SB9802**	**SB-6 5 – 5.5 082SB9902**	**SB-7 1.5 – 2 082SB9602**	**SB-7 5 – 5.5 082SB9702**	**SB-8 1 – 1.5 082SB9001**	**SB-8 4.5 – 5 082SB9101**	**SB-9 1 – 1.5 082SB8801**	**SB-9 4.5 – 5 082SB8901**
1,1,1-trichloroethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,1,2,2-tetrachloroethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,1,2-trichloroethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,1-dichloroethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,1-dichloroethene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,2-dichlorobenzene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,2-dichloroethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,2-dichloropropane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,3-dichlorobenzene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
1,4-dichlorobenzene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
2-chloroethylvinyl ether	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Bromodichloromethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Bromoform	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Bromomethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Carbon tetrachloride	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Chlorobenzene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Chloroethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Chloroform	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Chloromethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
cis-1,2-dichloroethene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
cis-1,3-dichloropropene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Dibromochloromethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Dichloromethane	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Tetrachloroethene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
trans-1,2-dichloroethene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
trans-1,3-dichloropropene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Trichloroethene	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U
Trichlorofluoromethane	U.S EPA 8010	.011	.0023	.002	.0019	.0021	.0023	.012	.0023	.0022 U	.0022 U	.0022 U	.0022 U
Vinyl chloride	U.S EPA 8010	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.002 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U	.0022 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-19
POI[a] 48 Soil Organochlorine
(results reported in micrograms per liter)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID											
Analyte Name	Method Code	SB-1 1.5 – 2 082SB9201	SB-1 4.5 – 5 082SB9301	SB-10 1 – 1.5 082SB8601	SB-10 4.5 – 5 082SB8701	SB-11 1 – 1.5 082SB8201	SB-11 4.5 – 5 082SB8301	SB-12 1 – 1.5 082SB8401	SB-12 4.8 – 5.3 082SB8501	SB-2 1 – 1.5 082SC0501	SB-2 4.5 – 5 082SC0601	SB-3 1 – 1.5 082SB9401	SB-3 4.5 – 5 082SB9501
4,4'-DDD[c]	U.S. EPA[d] 8080	4.2 U	4.3 U	4.2 U	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
4,4'-DDE[e]	U.S. EPA 8080	4.2 U	4.3 U	5.2	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
4,4'-DDT[f]	U.S. EPA 8080	4.2 U	4.3 U	23	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Aldrin	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Alpha-BHC[g]	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Alpha-chlordane	U.S. EPA 8080	4.2 U	4.3 U	4.2 U	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Aroclor-1242	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
Beta-BHC	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Delta-BHC	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Dieldrin	U.S. EPA 8080	4.2 U	4.3 U	4.5	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Endosulfan I	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Endosulfan II	U.S. EPA 8080	4.2 U	4.3 U	4.2 U	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Endosulfan sulfate	U.S. EPA 8080	4.2 U	4.3 U	4.2 U	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Endrin	U.S. EPA 8080	4.2 U	4.3 U	4.2 U	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Endrin aldehyde	U.S. EPA 8080	4.2 U	4.3 U	4.2 U	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Gamma-BHC (lindane)	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Gamma-chlordane	U.S. EPA 8080	4.2 U	4.3 U	4.2 U	4.2 U	4.3 U	4.3 U	4.1 U	8.5 U	4.2 U	22 U	4.5 U	4.6 U
Heptachlor	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Heptachlor epoxide	U.S. EPA 8080	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	4.3 U	2.1 U	11 U	2.2 U	2.3 U
Methoxychlor	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
PCB[h]-1016	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
PCB-1221	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
PCB-1232	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
PCB-1248	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
PCB-1254	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
PCB-1260	U.S. EPA 8080	21 U	21 U	21 U	21 U	21 U	21 U	21 U	43 U	21 U	110 U	22 U	23 U
Toxaphene	U.S. EPA 8080	42 U	43 U	42 U	42 U	43 U	43 U	41 U	85 U	42 U	220 U	45 U	46 U

(table continues)

Table C-19 (continued)

Analyte Name	Method Code	STATION/DEPTH (feet bgs[b])/CONTAINER ID											
		SB-4 1 – 1.5 082SC0301	SB-4 4.5 – 5 082SC0401	SB-5 1 – 1.5 082SC0101	SB-5 4.5 – 5 082SC0201	SB-6 1 – 1.5 082SB9801	SB-6 4.5 – 5 082SB9901	SB-7 1 – 1.5 082SB9601	SB-7 4.5 – 5 082SB9701	SB-8 1 – 1.5 082SB9001	SB-8 4.5 – 5 082SB9101	SB-9 1 – 1.5 082SB8801	SB-9 4.5 – 5 082SB8901
4,4'-DDD	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
4,4'-DDE	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	61	4.2 U	4.5	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
4,4'-DDT	U.S. EPA 8080	4.5 U	3.6	43 U	28 U	110	4.2 U	11	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Aldrin	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Alpha-BHC	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Alpha-chlordane	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Aroclor-1242	U.S. EPA 8080	22 U	21 U	220 U	140 U	110 U	21 U	23 U	21 U	21 U	22 U	23 U	21 U
Beta-BHC	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Delta-BHC	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Dieldrin	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Endosulfan I	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Endosulfan II	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Endosulfan sulfate	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Endrin	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Endrin aldehyde	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Gamma-BHC (lindane)	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Gamma-chlordane	U.S. EPA 8080	4.5 U	4.3 U	43 U	28 U	22 U	4.2 U	4.5 U	4.3 U	4.3 U	4.4 U	4.6 U	4.3 U
Heptachlor	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Heptachlor epoxide	U.S. EPA 8080	2.2 U	2.1 U	22 U	14 U	11 U	2.1 U	2.3 U	2.1 U	2.1 U	2.2 U	2.3 U	2.1 U
Methoxychlor	U.S. EPA 8080	22 U	21 U	220 U	140 U	110 U	21 U	23 U	21 U	21 U	22 U	23 U	21 U
PCB-1016	U.S. EPA 8080	22 U	21 U	220 U	140 U	110 U	21 U	23 U	21 U	21 U	22 U	23 U	21 U
PCB-1221	U.S. EPA 8080	22 U	21 U	220 U	140 U	110 U	21 U	23 U	21 U	21 U	22 U	23 U	21 U
PCB-1232	U.S. EPA 8080	22 U	21 U	220 U	140 U	110 U	21 U	23 U	21 U	21 U	22 U	23 U	21 U
PCB-1248	U.S. EPA 8080	22 U	21 U	220 U	140 U	110 U	21 U	23 U	21 U	21 U	22 U	23 U	21 U
PCB-1254	U.S. EPA 8080	22 U	21 U	220 U	140 U	110 U	21 U	23 U	21 U	21 U	22 U	23 U	21 U
PCB-1260	U.S. EPA 8080	22 U	21 U	220 U	140 U	190	21 U	23 U	21 U	21 U	22 U	23 U	21 U
Toxaphene	U.S. EPA 8080	45 U	43 U	430 U	280	220 U	42 U	45 U	43 U	43 U	44 U	46 U	43 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] DDD – dichlorodiphenyldichloroethane
[d] U.S. EPA – United States Environmental Protection Agency
[e] DDE – dichlorodiphenyldichloroethene
[f] DDT – dichlorodiphenyltrichloroethane
[g] BHC – benzene hexachloride
[h] PCB – polychlorinated biphenyl

Table C-20
POI[a] 48 Soil Total Threshold Limit Concentrations
(results reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID										
Analyte Name	**Method Code**	**SB-1 1.5 – 2 082SB9201**	**SB-1 4.5 – 5 082SB9301**	**SB-10 1 – 1.5 082SB8601**	**SB-10 4.5 – 5 082SB8701**	**SB-11 1 – 1.5 082SB8201**	**SB-11 4.5 – 5 082SB8301**	**SB-12 1 – 1.5 082SB8401**	**SB-12 4.8 – 5.3 082SB8501**	**SB-2 1 – 1.5 082SC0501**	**SB-2 4.5 – 5 082SC0601**	**SB-3 1 – 1.5 082SB9401**
Antimony, total	U.S EPA[c] 6010/7000	1.1	.96 U	.94 U	.94 U	.96 U	.96 U	.92 U	.96 U	.94 U	.98 U	1 U
Arsenic, total	U.S EPA 6010/7000	1.8	1.4	2.4	.69	2.6	1.4	3.7	1.9	.47U	.26U	3.4
Barium, total	U.S EPA 6010/7000	39.3	25.1	59.9	16.4	40.1	56.7	47.1	43.3	39.5	480	59.6
Beryllium, total	U.S EPA 6010/7000	.11	.06	.22	.06	.28	.11	.21	.12	.11	.12	.18
Cadmium, total	U.S EPA 6010/7000	.15 U	.15 U	.15 U	.15 U	.15 U	.15 U	.14 U	.15 U	.15 U	.41	.16 U
Chromium, total	U.S EPA 6010/7000	8.1 U	6.3 U	14.9 U	5 U	15.3 U	10.2 U	12.2 U	10.4 U	10.3	12	13.4 U
Cobalt, total	U.S EPA 6010/7000	2.2	1.3	5.5	1	6.2	3.6	4.6	2.8	2.9	3.6	3.7
Copper, total	U.S EPA 6010/7000	5.8 U	2.5 U	8.2 U	1.8 U	6.2 U	4.3 U	6.5 U	4.6 U	5.2 U	17	5.2 U
Lead, total	U.S EPA 6010/7000	10.7	1.3	14.1	.73	5.3	3.2	6	4.2	52.7	410	3.3
Mercury, total	U.S EPA 6010/7000	.01 U	.13 U	.04 U	.01 U	.02 U	.01 U	.03 U	.04 U	.018 U	.011 U	.01 U
Molybdenum, total	U.S EPA 6010/7000	.61 U	.45 U	.99 U	.49 U	1.1 U	.75 U	.91 U	.72 U	.32	.48	.8 U
Nickel, total	U.S EPA 6010/7000	5.3 U	1.8 U	5 U	1.5 U	5.2 U	3.5	5 U	4.1 U	5.8	17.9	4 U
Selenium, total	U.S EPA 6010/7000	.63 R	.06 R	.76 J	.06 R	.64 R	.98 J	1 J	.64 J	.63 R	.65 R	.67 R
Silver, total	U.S EPA 6010/7000	.13 U	.13 U	.22	.13 U	.13	.13 U	.28	.13 U	.39	.5	.13 U
Thallium, total	U.S EPA 6010/7000	.26	.19	.46	.29	.28	.31	.4	.22	.21	.22	.29
Vanadium, total	U.S EPA 6010/7000	19.2	14	41.9	10.1	44.1	30.7	36.1	24.1	23.7	33.1	31.7
Zinc, total	U.S EPA 6010/7000	26.9 U	13.7 U	30.1 U	11.6 U	19.1 U	26.9 U	37.9	23.5 U	24.4 U	376	21.1 U

(table continues)

Table C-20 (continued)

Analyte Name	Method Code	STATION/DEPTH (feet bgs[b])/CONTAINER ID										
		SB-3 4.5 – 5 082SB9501	SB-5 1 – 1.5 082SC0101	SB-5 4.5 – 5 082SC0201	SB-6 1 – 1.5 082SB9801	SB-6 4.5 – 5 082SB9901	SB-7 1 – 1.5 082SB9601	SB-7 4.5 – 5 082SB9701	SB-8 1 – 1.5 082SB9001	SB-8 4.5 – 5 082SB9101	SB-9 1 – 1.5 082SB8801	SB-9 4.5 – 5 082SB8901
Antimony, total	U.S EPA 6010/7000	1 U	1.3	1.4	.99 U	.94 U	2.7	1	1.2	.98 U	1.2	.97
Arsenic, total	U.S EPA 6010/7000	.71	2.7	2.5	4.8	.77 U	2.5	1.2	3.7	1.7	27.4	1.1
Barium, total	U.S EPA 6010/7000	30	52.2	41.5	67.5	9.6	96	21.6	32.6	31	52.8	16.6
Beryllium, total	U.S EPA 6010/7000	.07	.19	.091	.22	.043	.18	.058	.076	.1	.3	.06
Cadmium, total	U.S EPA 6010/7000	.16 U	.15 U	.2 U	.3	.15 U	.35	.15 U	.15 U	.15 U	.16 U	.15 U
Chromium, total	U.S EPA 6010/7000	7.3 U	10.2	10.5	13.1	3.4	13.5	4.9	6.6 U	9.8 U	15.5 U	4.6 U
Cobalt, total	U.S EPA 6010/7000	1.8	3.7	2.5	5.3	.84 U	3.8	1.1 U	1.7	2.5	5	.95
Copper, total	U.S EPA 6010/7000	2.5 U	13.3	5.3 U	13.2	1.7 U	13.2	2.1 U	4.5 U	3.6 U	6.5 U	1.8 U
Lead, total	U.S EPA 6010/7000	.92	18.7	6.3	77.1	.89	200	2	15.4	1.2	10.9	.71
Mercury, total	U.S EPA 6010/7000	.01 U	.011 U	.018 U	.031 U	.01 U	.037 U	.011 U	.01 U	.01 U	.02 U	.01 U
Molybdenum, total	U.S EPA 6010/7000	.73 U	.69	.49	.81	.34	.41	.33	.47 U	.8 U	1 U	.54 U
Nickel, total	U.S EPA 6010/7000	2 U	5.1	3	6.3	1.2	5.9	1.3	1.8 U	3 U	5.5 U	1.2 U
Selenium, total	U.S EPA 6010/7000	.69 R	.65 R	.085 R	.66 R	.063 R	.68 R	.064 R	.64 R	.66 R	.68 R	.06 R
Silver, total	U.S EPA 6010/7000	.14 U	.46	.35	1.6	.13 U	.62	.2	.13 U	.13 U	.14 U	.13 U
Thallium, total	U.S EPA 6010/7000	.2	.28	.25	.3	.083 U	.2	.2	.36	.3	.33	.25
Vanadium, total	U.S EPA 6010/7000	16.4	24.9	22.9	36.2	9.6	35.2	12.2	15.8	21.8	44.6	9.4
Zinc, total	U.S EPA 6010/7000	15.8 U	72.4	33.4	83.2	12.9 U	171	13.8 U	33.2 U	17.3 U	29.2 U	9.5 U

Notes:
[a] POI – point of interest
[b] bgs – below ground surface
[c] U.S. EPA – United States Environmental Protection Agency

Table C-21
POI[a] 57 Groundwater BTEX[b]
(results reported in micrograms per liter)

		STATION/CONTAINER ID		
Analyte Name	**Method Code**	**WS-5 082GW1305**	**WS-5 082GW1405**	**WS-6 082GW1205**
Benzene	U.S. EPA[c] 8020	1 U	1 U	1 U
Ethylbenzene	U.S. EPA 8020	1 U	1 U	1 U
Toluene	U.S. EPA 8020	1 U	1 U	1 U
Xylenes	U.S. EPA 8020	1 U	1 U	1 U

Notes:
[a] POI – point of interest
[b] BTEX – benzene, toluene, ethylbenzene, and xylenes
[c] U.S. EPA – United States Environmental Protection Agency

Table C-22
POI[a] 57 Soil BTEX[b]
(results reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[c])/CONTAINER ID							
Analyte Name	**Method Code**	SB-37 082SC0902	SB-37 5.5 – 6 082SB5602	SB-38 082SC0702	SB-38 5.5 – 6 082SB5402	WS-5 082SC1002	WS-5 1.5 – 2 082SB5502	WS-6 082SC0802	WS-6 1.5 – 2 082SB5702
Benzene	U.S. EPA 8020	.0026 U	.0024 U	.0026 U	.0026 U	.0022 U	.002 U	.0026 U	.0022 U
Ethylbenzene	U.S. EPA 8020	.0026 U	.0024 U	.0026 U	.0026 U	.0022 U	.002 U	.0026 U	.0022 U
Toluene	U.S. EPA 8020	.0026 U	.0024 U	.0026 U	.0026 U	.0022 U	.002 U	.0026 U	.0022 U
Total xylenes	U.S. EPA 8020	.0026 U	.0024 U	.0026 U	.0026 U	.0022 U	.002 U	.0026 U	.0022 U

Notes:
[a] POI – point of interest
[b] BTEX – benzene, toluene, ethylbenzene, and xylenes
[c] bgs – below ground surface
[d] U.S. EPA – United States Environmental Protection Agency

Table C-23
POI[a] 62 Total Threshold Limit Concentration Metals
(results reported in milligrams per kilogram)

		STATION/DEPTH (feet bgs[b])/CONTAINER ID							
Analyte Name	Method Code	SB-39 1 – 1.3 082SB7401	SB-39 2.8 – 3.3 082SB7501	SB-40 1 – 1.3 082SB7601	SB-40 2.8 – 3.3 082SB7701	SB-41 1 – 1.3 082SB7801	SB-41 2.8 – 3.3 082SB7901	SB-42 1 – 1.3 082SB8001	SB-42 2.8 – 3.3 082SB8101
Antimony, total	U.S. EPA[c] 6010/7000	.97 U	1.4	.95 U	1.2 U	.95 U	.95 U	.95 U	.96 U
Arsenic, total	U.S. EPA 6010/7000	1.2	1.4	1.1	1.2	.95	1.2	1.4	.99
Barium, total	U.S. EPA 6010/7000	42.5	56.5	58	233	44.8	57.1	50.6	45.2
Beryllium, total	U.S. EPA 6010/7000	.11	.12	.092	.46	.079	.075	.067	.08
Cadmium, total	U.S. EPA 6010/7000	.15 U	.16 U	.15 U	.18 U	.15 U	.15 U	.15 U	.15 U
Chromium, total	U.S. EPA 6010/7000	12.6	12.2	12.4	42.5	9	8.7	10.7	8.4
Cobalt, total	U.S. EPA 6010/7000	2.9	3.2	3.9	15.4	3	2.6	2.6	2.3
Copper, total	U.S. EPA 6010/7000	8.6	5.6	4.8	24	3.6	3.7	3.8	3.9
Lead, total	U.S. EPA 6010/7000	11.9	1.6	2.1	2.5	.56	.88	.86	.94
Mercury, total	U.S. EPA 6010/7000	.021 U	.013 U	.01 U	.021 U	.01 U	.01 U	.01 U	.011 U
Molybdenum, total	U.S. EPA 6010/7000	.36 U	.59 U	.35 U	2 U	.46 U	.21 U	.33 U	.44 U
Nickel, total	U.S. EPA 6010/7000	3.7	3.4	2.9	12.3	2.1	2	2.4	2.1
Selenium, total	U.S. EPA 6010/7000	.065 R	.69 R	.063 R	.77 R	.063 R	.1 J	.063 R	.064 R
Silver, total	U.S. EPA 6010/7000	.13 U	.14 U	.13 U	.45	.13 U	.13 U	.13 U	.13 U
Thallium, total	U.S. EPA 6010/7000	.16	.44	.27	.55	.26	.21	.27	.28
Vanadium, total	U.S. EPA 6010/7000	24.6	27.1	25.1	95.3	19.9	19.6	22.8	20.6
Zinc, total	U.S. EPA 6010/7000	71.7	21.6	18.7	69.7	13.6	14.2	15.1	13.3

Notes:
a POI – point of interest
b bgs – below ground surface
c U.S. EPA – United States Environmental Protection Agency

Table C-24
Total Recoverable Petroleum Hydrocarbons

POI[a]	Station	Container	Result	Units	Lab Qualifier	Review Qualifier[b]
07	NA[c]	082RB0104	1.51	mg/L[d]		UJ
07	NA	082RB0703	0.31	mg/L	U	U
07	NA	082RB0807	0.31	mg/L	U	U
07	SB-43	082SB0501	6.2	mg/kg[e]	B	UJ
07	SB-43	082SB0601	3.9	mg/kg	B	UJ
07	SB-44	082SB0701	5.3	mg/kg	B	UJ
07	SB-44	082SB0801	10.8	mg/kg	B	UJ
07	SB-45	082SB0101	3.2	mg/kg	U	UJ
07	SB-45	082SB0201	14.9	mg/kg		UJ
07	SB-46	082SB0301	15.4	mg/kg		UJ
07	SB-46	082SB0401	9.7	mg/kg	B	UJ
07	SB-48	082SB4601	283	mg/kg		
07	SB-48	082SB4701	14	mg/kg		U
07	SB-48	082SB4801	6.1	mg/kg	B	U
07	SB-48	082SB4901	9.4	mg/kg	B	U
07	WS-7	082GW0104	2.02	mg/L		UJ
07	WS-7	082SB0901	362	mg/kg		
07	WS-7	082SB1001	20.1	mg/kg		UJ
07	WS-8	082GW1003	0.323	mg/L	B	U
07	WS-8	082SB5001	3.2	mg/kg	U	U
07	WS-8	082SB5101	20.4	mg/kg		U
20	NA	082RB0207	2.73	mg/L		UJ
20	NA	082RB0307	0.812	mg/L	B	U
20	SB-21	082SB1301	61.4	mg/kg		
20	SB-21	082SB1401	3.9	mg/kg	U	UJ
20	SB-22	082SB1101	3.3	mg/kg	U	UJ
20	SB-22	082SB1201	8.5	mg/kg	B	UJ
20	SB-23	082SB2501	140	mg/kg		
20	SB-23	082SB2601	16.7	mg/kg		U
20	SB-24	082SB2101	6.3	mg/kg	B	U
20	SB-24	082SB2201	10.7	mg/kg	B	U
20	SB-25	082SB1501	3.3	mg/kg	U	UJ
20	SB-25	082SB1601	3.4	mg/kg	U	UJ
20	SB-26	082SB1901	10.2	mg/kg	B	U
20	SB-26	082SB2001	17.2	mg/kg		U
20	WS-2	082GW0207	2.48	mg/L		UJ
20	WS-2	082GW0507	0.394	mg/L	B	U
20	WS-2	082SB1701	3.3	mg/kg	U	UJ
20	WS-2	082SB1801	5.3	mg/kg	B	UJ

(table continues)

Table C-24 (continued)

POI	Station	Container	Result	Units	Lab Qualifier	Review Qualifier
20	WS-9	082GW0607	4.74	mg/L		
20	WS-9	082SB2301	39.4	mg/kg		
20	WS-9	082SB2401	17.2	mg/kg		U
26	NA	082RB0406	0.31	mg/L	U	U
26	NA	082RB0507	0.31	mg/L	U	U
26	NA	082RB0607	0.31	mg/L	U	U
26	SB-28	082SB2901	3.3	mg/kg	U	U
26	SB-28	082SB3201	3.5	mg/kg	U	U
26	SB-28	082SB3301	3.4	mg/kg	U	U
26	SB-30	082SB3001	3.4	mg/kg	U	U
26	SB-30	082SB3401	3.4	mg/kg	U	U
26	SB-32	082SB3101	15.9	mg/kg		U
26	SB-32	082SB3501	3.4	mg/kg	U	U
26	SB-33	082SB3901	3.1	mg/kg	U	U
26	SB-33	082SB4001	3.6	mg/kg	U	U
26	SB-34	082SB3801	3.3	mg/kg	U	U
26	SB-34	082SB4201	3.7	mg/kg	U	U
26	WS-3	082GW0707	0.31	mg/L	U	U
26	WS-3	082GW0807	0.33	mg/L	B	U
26	WS-3	082SB3701	3.3	mg/kg	U	U
26	WS-3	082SB4301	3.4	mg/kg	U	U
26	WS-3	082SB4401	160	mg/kg		
26	WS-4	082SB3601	17.4	mg/kg		U
26	WS-4A	082GW0907	0.316	mg/L	U	U
26	WS-4A	082SB4101	6.9	mg/kg	B	U
26	WS-4A	082SB4501	3.6	mg/kg	U	U
48	NA	082RB1207	0.31	mg/L	U	U
48	NA	082RB1307	0.31	mg/L	U	U
48	SB-1	082SB9201	1370	mg/kg		
48	SB-1	082SB9301	4.2	mg/kg	B	U
48	SB-10	082SB8601	4	mg/kg	B	U
48	SB-10	082SB8701	3.2	mg/kg	U	U
48	SB-11	082SB8201	8.8	mg/kg	B	U
48	SB-11	082SB8301	3.3	mg/kg	U	U
48	SB-12	082SB8401	3.2	mg/kg	U	U
48	SB-12	082SB8501	81.4	mg/kg		
48	SB-2	082SC0501	7.8	mg/kg	U	U
48	SB-2	082SC0601	56	mg/kg		
48	SB-3	082SB9401	3.5	mg/kg	U	U
48	SB-3	082SB9501	7.5	mg/kg	B	U

(table continues)

Table C-24 (continued)

POI	Station	Container	Result	Units	Lab Qualifier	Review Qualifier
48	SB-4	082SC0301	4.3	mg/kg	U	U
48	SB-4	082SC0401	7	mg/kg	U	U
48	SB-5	082SC0101	821	mg/kg		
48	SB-5	082SC0201	215	mg/kg		
48	SB-6	082SB9801	9.2	mg/kg	U	U
48	SB-6	082SB9901	17.9	mg/kg		U
48	SB-7	082SB9601	14.5	mg/kg		U
48	SB-7	082SB9701	7.9	mg/kg	U	U
48	SB-8	082SB9001	7	mg/kg	B	U
48	SB-8	082SB9101	17.8	mg/kg		U
48	SB-9	082SB8801	3.5	mg/kg	U	U
48	SB-9	082SB8901	6.1	mg/kg	B	U

Notes:
[a] POI – point of interest
[b] all total recoverable petroleum hydrocarbon data were not validated
[c] NA – not applicable
[d] mg/L – milligrams per liter
[e] mg/kg – milligrams per kilogram

CTO-082 SAMPLE INFORMATION

DATE DATE	~~STATION ID~~ SITE NO.	SAMPLE ID SAMPLE NO.	Station ID HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
8/31/95	POI #7	082SB0101	SB-45	1' - 1.5'	REG	1343	SOIL	HandAuger	046-FR-001	23
8/31/95	POI #7	082SB0102	SB-45	1.5' - 2'	REG	1344	SOIL	HandAuger	046-FR-001	23
8/31/95	POI #7	082SB0201	SB-45	7' - 7.5'	REG	1435	SOIL	DirPushSamp	046-FR-001	23
8/31/95	POI #7	082SB0202	SB-45	7.5' - 8'	REG	1435	SOIL	DirPushSamp	046-FR-001	23
8/31/95	POI #7	082SB0301	SB-46	1' - 1.5'	REG	1412	SOIL	HandAuger	046-FR-001	23
8/31/95	POI #7	082SB0302	SB-46	1.5' - 2'	REG	1415	SOIL	HandAuger	046-FR-001	23
8/31/95	POI #7	082SB0401	SB-46	6.5' - 7'	REG	1530	SOIL	DirPushSamp	046-FR-001	23
8/31/95	POI #7	082SB0402	SB-46	7' -7.5'	REG	1540	SOIL	DirPushSamp	046-FR-001	23
8/31/95	POI #7	082SB0501	SB-43	1' - 1.5'	REG	1435	SOIL	HandAuger	046-FR-001	23
8/31/95	POI #7	082SB0502	SB-43	1.5' - 2'	REG	1440	SOIL	HandAuger	046-FR-001	23
8/31/95	POI #7	082SB0601	SB-43	6' - 6.5'	REG	1617	SOIL	DirPushSamp	046-FR-001	23
8/31/95	POI #7	082SB0602	SB-43	6.5' - 7'	REG	1617	SOIL	DirPushSamp	046-FR-001	23
8/31/95	POI #7	082SB0701	SB-44	1' - 1.5'	REG	1501	SOIL	HandAuger	046-FR-001	23
8/31/95	POI #7	082SB0702	SB-44	1.5' - 2'	REG	1503	SOIL	HandAuger	046-FR-001	23
9/1/95	POI #7	082GW0101	WS-7	6.2' TO 10'	REG	0831	GWT	Bailer	046-FR-001	24
9/1/95	POI #7	082GW0102	WS-7	6.2' TO 10'	REG	0831	GWT	Bailer	046-FR-001	24
9/1/95	POI #7	082GW0103	WS-7	6.2' TO 10'	REG	0845	GWT	Bailer	046-FR-001	24
9/1/95	POI #7	082GW0104	WS-7	6.2' TO 10'	REG	0900	GWT	Bailer	046-FR-001	24
9/1/95	POI #7	082RB0101	NA	NA	GW Rinsate Blank	1400	LIQ	GRAB	046-FR-001	24
9/1/95	POI #7	082RB0102	NA	NA	GW Rinsate Blank	1400	LIQ	GRAB	046-FR-001	24
9/1/95	POI #7	082RB0103	NA	NA	GW Rinsate Blank	1405	LIQ	GRAB	046-FR-001	24
9/1/95	POI #7	082RB0104	NA	NA	GW Rinsate Blank	1405	LIQ	GRAB	046-FR-001	24
9/1/95	POI #7	082SB0801	SB-44	6.5' - 7'	REG	0804	SOIL	HandAuger	046-FR-001	24
9/1/95	POI #7	082SB0802	SB-44	7' - 7.5'	REG	0805	SOIL	HandAuger	046-FR-001	24
9/1/95	POI #7	082SB0901	WS-7	1' - 1.5'	REG	0735	SOIL	HandAuger	046-FR-001	24
9/1/95	POI #7	082SB0902	WS-7	1.5' - 2'	REG	0738	SOIL	HandAuger	046-FR-001	24
9/1/95	POI #7	082SB1001	WS-7	5.8' - 6.3'	REG	0811	SOIL	DirPushSamp	046-FR-001	24
9/1/95	POI #7	082SB1002	WS-7	6.3' - 6.8'	REG	0811	SOIL	DirPushSamp	046-FR-001	24
9/1/95	POI #7	082TB0101	NA	NA	Trip Blank	1340	LIQ	GRAB	046-FR-001	24
9/1/95	POI #7	082TB0102	NA	NA	Trip Blank	1340	LIQ	GRAB	046-FR-001	24
9/6/95	POI #20	082GW0201	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26
9/6/95	POI #20	082GW0202	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26

CTO-082 SAMPLE INFORMATION

DATE DATE	STATION ID SITE NO.	SAMPLE ID SAMPLE NO.	HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
9/6/95	POI #20	082GW0203	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26
9/6/95	POI #20	082GW0204	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26
9/6/95	POI #20	082GW0205	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26
9/6/95	POI #20	082GW0206	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26
9/6/95	POI #20	082GW0207	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26
9/6/95	POI #20	082GW0208	WS-2	6.7' TO 10'	REG	1600	GWT	Bailer	046-FR-001	26
9/6/95	POI #20	082RB0201	NA	NA	GW Rinsate Blank	1430	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082RB0202	NA	NA	GW Rinsate Blank	1430	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082RB0203	NA	NA	GW Rinsate Blank	1440	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082RB0204	NA	NA	GW Rinsate Blank	1440	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082RB0205	NA	NA	GW Rinsate Blank	1440	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082RB0206	NA	NA	GW Rinsate Blank	1440	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082RB0207	NA	NA	GW Rinsate Blank	1440	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082RB0208	NA	NA	GW Rinsate Blank	1440	LIQ	GRAB	046-FR-001	26
9/6/95	POI #20	082SB1101	SB-22	1' - 1.5'	REG	1032	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1102	SB-22	1.5' - 2'	REG	1036	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1201	SB-22	5.5' - 6'	REG	1130	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082SB1202	SB-22	6' - 6.5'	REG	1130	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082SB1301	SB-21	1' - 1.5'	REG	1316	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1302	SB-21	1.5' - 2'	REG	1319	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1401	SB-21	5' - 5.5'	REG	1349	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082SB1402	SB-21	5.5' - 6'	REG	1349	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082SB1501	SB-25	1' - 1.5'	REG	1400	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1502	SB-25	1.5' - 2'	REG	1410	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1601	SB-25	5' - 5.5'	REG	1452	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082SB1602	SB-25	5.5' - 6'	REG	1452	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082SB1701	WS-2	1.1' - 1.6'	REG	1507	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1702	WS-2	1.6' - 2.1'	REG	1510	SOIL	HandAuger	046-FR-001	26
9/6/95	POI #20	082SB1801	WS-2	5' - 5.5'	REG	1545	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082SB1802	WS-2	5.5' - 6'	REG	1545	SOIL	DirPushSamp	046-FR-001	26
9/6/95	POI #20	082TB0201	NA	NA	Trip Blank	1425	LIQ	GRAB	046-FR-001	26
9[illegible]	POI #20	082TB0202	NA	NA	ip Blank	1425	LIQ	GRAB	046-FR-001	6

CTO-082 SAMPLE INFORMATION

DATE DATE	STATION ID SITE NO.	SAMPLE ID SAMPLE NO.	HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
9/7/95	POI #20	082GW0301	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0302	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0303	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0304	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0305	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0306	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0307	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0308	WS-2	6.7' TO 10'	REG (MS)	0740	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0401	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0402	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0403	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0404	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0405	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0406	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0407	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0408	WS-2	6.7' TO 10'	REG (MSD)	0750	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0501	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0502	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0503	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0504	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0505	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0506	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0507	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0508	WS-2	6.7' TO 10'	Duplicate	0820	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0601	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0602	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0603	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0604	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0605	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0606	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0607	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0608	WS-9	6.8' TO 10'	REG	1200	GWT	Bailer	046-FR-001	28

CTO-082 SAMPLE INFORMATION

DATE	STATION ID	SAMPLE ID		TOP-BOTTOM	SAMPLE TYPE	TIME	MATRIX	COLLECTION	LOGBOOK	LOGBOOK
DATE	SITE NO.	SAMPLE NO.	HOLE NO.	DEPTH	REMARKS			METHOD	ID	PAGE NO.
9/7/95	POI #20	082GW0609	WS-9	6.8' TO 10'	REG (Extra)	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082GW0610	WS-9	6.8' TO 10'	REG (Extra)	1200	GWT	Bailer	046-FR-001	28
9/7/95	POI #20	082RB0301	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082RB0302	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082RB0303	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082RB0304	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082RB0305	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082RB0306	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082RB0307	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082RB0308	NA	NA	GW Rinsate Blank	0830	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082SB1901	SB-26	1' - 1.5'	REG	0905	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB1902	SB-26	1.5' - 2'	REG	0910	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB2001	SB-26	5.5' - 6'	REG	0945	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082SB2002	SB-26	6' - 6.5'	REG	0945	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082SB2101	SB-24	2' - 2.5'	REG	1015	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB2102	SB-24	2.5' - 3'	REG	1020	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB2201	SB-24	6' - 6.5'	REG	1050	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082SB2202	SB-24	6.5' - 7'	REG	1050	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082SB2301	WS-9	1' - 1.5'	REG	1100	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB2302	WS-9	1.5' - 2'	REG	1100	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB2401	WS-9	7' - 7.5'	REG (+MS,MSD)	1125	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082SB2402	WS-9	7.5' - 8'	REG (+MS,MSD)	1125	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082SB2501	SB-23	1' - 1.5'	REG	1200	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB2502	SB-23	1.5' - 2'	REG	1200	SOIL	HandAuger	046-FR-001	28
9/7/95	POI #20	082SB2601	SB-23	6.5' - 7'	REG	1410	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082SB2602	SB-23	7' - 7.5'	REG	1410	SOIL	DirPushSamp	046-FR-001	28
9/7/95	POI #20	082TB0301	NA	NA	Trip Blank	0845	LIQ	GRAB	046-FR-001	28
9/7/95	POI #20	082TB0302	NA	NA	Trip Blank	0845	LIQ	GRAB	046-FR-001	28
9/19/95	POI #29	082SB2701	SB-35	1' - 1.4'	REG	1014	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #29	082SB2702	SB-35	1' - 1.4'	REG	1014	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #29	082SB2801	SB-36	1' - 1.6'	REG	1025	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #29	082SB2802	SB-36	1' - 1.6'	REG	1025	SOIL	HandAuger	046-FR-001	30

CTO-082 SAMPLE INFORMATION

DATE DATE	STATION ID SITE NO.	SAMPLE ID SAMPLE NO.	HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
9/19/95	POI #26	082SB2901	SB-28	4.5' - 5'	REG	1050	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB2902	SB-28	5' - 5.5'	REG	1050	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB3001	SB-30	4.5' - 5'	REG	1200	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB3002	SB-30	5' - 5.5'	REG	1200	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB3101	SB-32	4.5' - 5'	REG	1330	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB3102	SB-32	5' - 5.5'	REG	1330	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB3103	SB-32	5' - 5.5'	REG (+MS,MSD)	1330	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB3201	SB-28	6' - 6.5'	REG	1355	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082SB3202	SB-28	6.5' - 7'	REG	1355	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082SB3301	SB-28	7' - 7.5'	Duplicate	1405	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082SB3302	SB-28	7.5' - 8'	Duplicate	1405	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082TB0401	NA	NA	Trip Blank	1415	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082TB0402	NA	NA	Trip Blank	1415	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0401	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0402	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0403	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0404	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0405	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0406	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0407	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0408	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082RB0409	NA	NA	Soil Rinsate Blank	1440	LIQ	GRAB	046-FR-001	30
9/19/95	POI #26	082SB3401	SB-30	6' - 6.5'	REG	1435	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082SB3402	SB-30	6.5' - 7'	REG	1435	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082SB3501	SB-32	6.5' - 7'	REG	1505	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082SB3502	SB-32	7' - 7.5'	REG	1505	SOIL	DirPushSamp	046-FR-001	30
9/19/95	POI #26	082SB3601	WS-4	0.8' - 1.3'	REG	1540	SOIL	HandAuger	046-FR-001	30
9/19/95	POI #26	082SB3602	WS-4	1.3' - 1.8'	REG	1540	SOIL	HandAuger	046-FR-001	30
9/20/95	POI #26	082SB3701	WS-3	1' - 1.5'	REG	0855	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB3702	WS-3	1.5' - 2'	REG	0855	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB3801	SB-34	1' - 1.5'	REG	0930	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB3802	SB-34	1.5' - 2'	REG	0930	SOIL	HandAuger	046-FR-001	31

CTO-082 SAMPLE INFORMATION

DATE DATE	STATION ID SITE NO.	SAMPLE ID SAMPLE NO.	HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
9/20/95	POI #26	082SB3901	SB-33	1' - 1.5'	REG	0955	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB3902	SB-33	1.5' - 2'	REG	0955	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB4001	SB-33	5' - 5.5'	REG	1010	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB4002	SB-33	5.5' - 6'	REG	1010	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB4101	WS-4A	1' - 1.5'	REG	1100	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB4102	WS-4A	1.5' - 2'	REG	1100	SOIL	HandAuger	046-FR-001	31
9/20/95	POI #26	082SB4201	SB-34	5' - 5.5'	REG	1110	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082SB4202	SB-34	5.5' - 6'	REG	1110	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082GW0701	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0702	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0703	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0704	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0705	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0706	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0707	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0708	WS-3	6' to 10'	REG	1400	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0801	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0802	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0803	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0804	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0805	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0806	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0807	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0808	WS-3	6' to 10'	Duplicate	1420	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082RB0501	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0502	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0503	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0504	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0505	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0506	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0507	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0508	NA	NA	Soil Rinsate Blank	1300	LIQ	GRAB	046-FR-001	31

CTO-082 SAMPLE INFORMATION

DATE	STATION ID	SAMPLE ID		TOP-BOTTOM	SAMPLE TYPE	TIME	MATRIX	COLLECTION	LOGBOOK	LOGBOOK
DATE	SITE NO.	SAMPLE NO.	HOLE NO.	DEPTH	REMARKS			METHOD	ID	PAGE NO.
9/20/95	POI #26	082RB0601	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0602	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0603	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0604	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0605	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0606	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0607	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082RB0608	NA	NA	GW Rinsate Blank	1310	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082TB0501	NA	NA	Trip Blank	1150	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082TB0502	NA	NA	Trip Blank	1150	LIQ	GRAB	046-FR-001	31
9/20/95	POI #26	082SB4301	WS-3	5.2' - 5.7'	REG	1155	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082SB4302	WS-3	5.7' - 6.2'	REG	1155	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082SB4401	WS-3	6.2' - 6.7'	REG	1210	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082SB4402	WS-3	7' - 7.5'	REG	1210	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082SB4501	WS-4A	5.5' - 6'	REG	1500	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082SB4502	WS-4A	6' - 6.5'	REG	1500	SOIL	DirPushSamp	046-FR-001	31
9/20/95	POI #26	082GW0901	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0902	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0903	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0904	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0905	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0906	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0907	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/20/95	POI #26	082GW0908	WS-4A	6.3' to 10'	REG	1520	GWT	Bailer	046-FR-001	31
9/21/95	POI #7	082SB4601	SB-48	1' - 1.5'	REG	0845	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB4602	SB-48	1.5' - 2'	REG	0845	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB4701	SB-48	4.5' - 5'	REG	1000	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB4702	SB-48	5' - 5.5	REG	1000	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB4801	SB-47	1' - 1.5'	REG	1020	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB4802	SB-47	1.5' - 2'	REG	1020	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB4901	SB-47	4.2' - 4.7'	REG	1158	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB4902	SB-47	4.7' - 5.2'	REG	1158	SOIL	HandAuger	046-FR-001	32

CTO-082 SAMPLE INFORMATION

DATE	STATION ID	SAMPLE ID		TOP-BOTTOM	SAMPLE TYPE	TIME	MATRIX	COLLECTION	LOGBOOK	LOGBOOK
DATE	SITE NO.	SAMPLE NO.	HOLE NO.	DEPTH	REMARKS			METHOD	ID	PAGE NO.
9/21/95	POI #7	082SB5001	WS-8	1' - 1.5'	REG	1040	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB5002	WS-8	1.5' - 2'	REG	1040	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB5101	WS-8	3.7' - 4.2'	REG	1054	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082SB5102	WS-8	3.7' - 4.2'	REG	1054	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #7	082GW1001	WS-8	3.8' to 7'	REG	1150	GWT	Bailer	046-FR-001	32
9/21/95	POI #7	082GW1002	WS-8	3.8' to 7'	REG	1150	GWT	Bailer	046-FR-001	32
9/21/95	POI #7	082GW1003	WS-8	3.8' to 7'	REG	1150	GWT	Bailer	046-FR-001	32
9/21/95	POI #7	082GW1004	WS-8	3.8' to 7'	REG	1150	GWT	Bailer	046-FR-001	32
9/21/95	POI 7 & 46	082TB0601	NA	NA	Trip Blank	1130	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082TB0602	NA	NA	Trip Blank	1130	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0701	NA	NA	Soil Rinsate Blank	1530	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0702	NA	NA	Soil Rinsate Blank	1530	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0703	NA	NA	Soil Rinsate Blank	1530	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0704	NA	NA	Soil Rinsate Blank	1530	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0801	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0802	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0803	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0804	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0805	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0806	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0807	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI 7 & 46	082RB0808	NA	NA	GW Rinsate Blank	1340	LIQ	GRAB	046-FR-001	32
9/21/95	POI #46	082SB5201	WS-1	1' - 1.5'	REG	1439	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #46	082SB5202	WS-1	1.5' - 2'	REG	1439	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #46	082SB5203	WS-1	2' - 2.5'	REG (+MS,MSD)	1439	SOIL	HandAuger	046-FR-001	32
9/21/95	POI #46	082SB5301	WS-1	5.6' - 6.1'	REG	1505	SOIL	DirPushSamp	046-FR-001	32
9/21/95	POI #46	082SB5302	WS-1	6.1' - 6.6'	REG	1505	SOIL	DirPushSamp	046-FR-001	32
9/21/95	POI #46	082GW1101	WS-1	6.5' to 10'	REG	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1102	WS-1	6.5' to 10'	REG	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1103	WS-1	6.5' to 10'	REG	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1104	WS-1	6.5' to 10'	REG	1525	GWT	Bailer	046-FR-001	32
9/[illegible]5	POI #46	082GW1105	WS-1	6.5' to 10'	REG	1525	GWT	Bailer	046-FR-001	[illegible]2

CTO-082 SAMPLE INFORMATION

DATE DATE	STATION ID SITE NO.	SAMPLE ID SAMPLE NO.	HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
9/21/95	POI #46	082GW1106	WS-1	6.5' to 10'	REG	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1107	WS-1	6.5' to 10'	REG (MS)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1108	WS-1	6.5' to 10'	REG (MS)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1109	WS-1	6.5' to 10'	REG (MS)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1110	WS-1	6.5' to 10'	REG (MS)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1111	WS-1	6.5' to 10'	REG (MS)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1112	WS-1	6.5' to 10'	REG (MS)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1113	WS-1	6.5' to 10'	REG (MSD)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1114	WS-1	6.5' to 10'	REG (MSD)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1115	WS-1	6.5' to 10'	REG (MSD)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1116	WS-1	6.5' to 10'	REG (MSD)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1117	WS-1	6.5' to 10'	REG (MSD)	1525	GWT	Bailer	046-FR-001	32
9/21/95	POI #46	082GW1118	WS-1	6.5' to 10'	REG (MSD)	1525	GWT	Bailer	046-FR-001	32
9/22/95	POI #57	082SB5401	SB-38	5' - 5.5'	REG	0900	SOIL	DirPushSamp	046-FR-001	34
9/22/95	POI #57	082SB5402	SB-38	5.5' - 6'	REG	0900	SOIL	DirPushSamp	046-FR-001	34
9/22/95	POI #57	082SB5501	WS-5	1' - 1.5'	REG	1025	SOIL	HandAuger	046-FR-001	34
9/22/95	POI #57	082SB5502	WS-5	1.5' - 2'	REG	1025	SOIL	HandAuger	046-FR-001	34
9/22/95	POI #57	082SB5601	SB-37	5' - 5.5'	REG	1036	SOIL	HandAuger	046-FR-001	34
9/22/95	POI #57	082SB5602	SB-37	5.5' - 6'	REG	1036	SOIL	HandAuger	046-FR-001	34
9/22/95	POI #57	082TB0701	NA	NA	Trip Blank	1050	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082TB0702	NA	NA	Trip Blank	1050	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082RB0901	NA	NA	Soil Rinsate Blank	1120	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082RB0902	NA	NA	Soil Rinsate Blank	1120	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082RB0903	NA	NA	Soil Rinsate Blank	1120	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082RB0904	NA	NA	Soil Rinsate Blank	1120	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082RB0905	NA	NA	Soil Rinsate Blank	1120	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082RB0906	NA	NA	Soil Rinsate Blank	1120	LIQ	GRAB	046-FR-001	34
9/22/95	POI #57	082SB5701	WS-6	1' - 1.5'	REG	1320	SOIL	HandAuger	046-FR-001	34
9/22/95	POI #57	082SB5702	WS-6	1.5' - 2'	REG	1320	SOIL	HandAuger	046-FR-001	34
9/25/95	POI #28	082SB5801	SB-14	1' - 1.5'	REG	1052	SOIL	HandAuger	046-FR-001	35
9/25/95	POI #28	082SB5901	SB-14	3' - 3.5'	REG	1100	SOIL	HandAuger	046-FR-001	35
9/25/95	POI #28	082SB6001	SB-15	1' - 1.5'	REG	1038	SOIL	HandAuger	046-FR-001	35

CTO-082 SAMPLE INFORMATION

DATE DATE	STATION ID SITE NO.	SAMPLE ID SAMPLE NO.	HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
9/25/95	POI #28	082SB6101	SB-15	3' - 3.5'	REG	1147	SOIL	HandAuger	046-FR-001	35
9/25/95	POI #28	082SB6201	SB-16	1' - 1.5'	REG	1356	SOIL	HandAuger	046-FR-001	35
9/25/95	POI #28	082SB6301	SB-16	3' - 3.5'	REG	1405	SOIL	HandAuger	046-FR-001	35
9/25/95	POI #28	082RB1001	NA	NA	Soil Rinsate Blank	1500	LIQ	GRAB	046-FR-001	35
9/26/95	POI #28	082SB6401	SB-18	1' - 1.5'	REG	0855	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB6501	SB-18	3' - 3.5'	REG	0903	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB6601	SB-17	1' - 1.5'	REG	0912	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB6701	SB-17	3' - 3.5'	REG	0918	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB6801	SB-19	1' - 1.5'	REG	0926	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB6901	SB-19	3' - 3.5'	REG	0932	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB7001	SB-20	1' - 1.5'	REG	0942	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB7101	SB-20	3' - 3.5'	REG	0954	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB7201	SB-13	1' - 1.5'	REG	0959	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082SB7301	SB-13	3' - 3.5'	REG	1011	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #28	082RB1101	NA	NA	Soil Rinsate Blank	1026	LIQ	GRAB	046-FR-001	36
9/26/95	POI #28	082RB1102	NA	NA	Soil Rinsate Blank	1026	LIQ	GRAB	046-FR-001	36
9/26/95	POI #62	082SB7401	SB-39	1' - 1.3'	REG	1245	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #62	082SB7501	SB-39	2.8' - 3.3'	REG	1328	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #62	082SB7601	SB-40	1' - 1.3'	REG	1344	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #62	082SB7701	SB-40	2.8' - 3.3'	REG	1355	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #62	082SB7801	SB-41	1' - 1.3'	REG	1405	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #62	082SB7901	SB-41	2.8' - 3.3'	REG	1412	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #62	082SB8001	SB-42	1' - 1.3'	REG	1420	SOIL	HandAuger	046-FR-001	36
9/26/95	POI #62	082SB8101	SB-42	2.8' - 3.3'	REG	1427	SOIL	HandAuger	046-FR-001	36
9/27/95	POI #48	082SB8201	SB-11	1' - 1.5'	REG	0855	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8202	SB-11	1.5' - 2'	REG	0855	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8301	SB-11	4.5' - 5'	REG	0940	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8302	SB-11	5' - 5.5'	REG	0940	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8401	SB-12	1' - 1.5'	REG	1010	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8402	SB-12	1.5' - 2'	REG	1010	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8501	SB-12	4.8' - 5.3'	REG	1040	SOIL	HandAuger	046-FR-001	37
9[illegible]5	POI #48	082SB8502	SB-12	5.3' - 5.8'	REG	1040	SOIL	HandAuger	046-FR-001	[illegible]7

CTO-082 SAMPLE INFORMATION

DATE DATE	STATION ID SITE NO.	SAMPLE ID SAMPLE NO.	HOLE NO.	TOP-BOTTOM DEPTH	SAMPLE TYPE REMARKS	TIME	MATRIX	COLLECTION METHOD	LOGBOOK ID	LOGBOOK PAGE NO.
9/27/95	POI #48	082RB1201	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1202	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1203	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1204	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1205	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1206	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1207	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1208	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082RB1209	NA	NA	Soil Rinsate Blank	1000	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082TB0801	NA	NA	Trip Blank	1030	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082TB0802	NA	NA	Trip Blank	1030	LIQ	GRAB	046-FR-001	37
9/27/95	POI #48	082SB8601	SB-10	1' - 1.5'	REG	1110	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8602	SB-10	1.5' - 2'	REG	1110	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8701	SB-10	4.5' - 5'	REG	1125	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8702	SB-10	5' - 5.5'	REG	1125	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8801	SB-9	1' - 1.5'	REG	1205	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8802	SB-9	1.5' - 2'	REG	1205	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8901	SB-9	4.5' - 5'	REG	1220	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB8902	SB-9	5' - 5.5'	REG	1220	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9001	SB-8	1' - 1.5'	REG	1435	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9002	SB-8	1.5' - 2'	REG	1435	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9101	SB-8	4.5' - 5'	REG	1450	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9102	SB-8	5' - 5.5'	REG	1450	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9201	SB-1	1.5' - 2'	REG	1530	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9202	SB-1	2' - 2.5'	REG	1530	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9301	SB-1	4.5' - 5'	REG	1540	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9302	SB-1	5' - 5.5'	REG	1540	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9401	SB-3	1' - 1.5'	REG	1615	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9402	SB-3	1.5' - 2'	REG	1615	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9501	SB-3	4.5' - 5'	REG	1626	SOIL	HandAuger	046-FR-001	37
9/27/95	POI #48	082SB9502	SB-3	5' - 5.5'	REG	1626	SOIL	HandAuger	046-FR-001	37
9/28/95	POI #48	082SB9601	SB-7	1' - 1.5'	REG	0840	SOIL	HandAuger	046-FR-001	38

CTO-082 SAMPLE INFORMATION

DATE	STATION ID	SAMPLE ID		TOP-BOTTOM	SAMPLE TYPE	TIME	MATRIX	COLLECTION	LOGBOOK	LOGBOOK
DATE	SITE NO.	SAMPLE NO.	HOLE NO.	DEPTH	REMARKS			METHOD	ID	PAGE NO.
9/28/95	POI #48	082SB9602	SB-7	1.5' - 2'	REG	0840	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SB9701	SB-7	4.5' - 5'	REG	0915	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SB9702	SB-7	5' - 5.5'	REG	0915	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SB9801	SB-6	1' - 1.5'	REG	0930	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SB9802	SB-6	1.5' - 2'	REG	0930	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SB9901	SB-6	4.5' - 5'	REG	0955	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SB9902	SB-6	5' - 5.5'	REG	0955	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0101	SB-5	1' - 1.5'	REG	1020	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0102	SB-5	1.5' - 2'	REG	1020	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0201	SB-5	4.5' - 5'	REG	1045	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0202	SB-5	5' - 5.5'	REG	1045	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0301	SB-4	1' - 1.5'	REG	1107	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0302	SB-4	1.5' - 2'	REG	1107	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0401	SB-4	4.5' - 5'	REG	1112	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0402	SB-4	5' - 5.5'	REG	1112	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0501	SB-2	1' - 1.5'	REG	1322	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0502	SB-2	1.5' - 2'	REG	1322	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0601	SB-2	4.5' - 5'	REG	1343	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082SC0602	SB-2	5' - 5.5'	REG	1343	SOIL	HandAuger	046-FR-001	38
9/28/95	POI #48	082TB0901	NA	NA	Trip Blank	1000	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082TB0902	NA	NA	Trip Blank	1000	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1301	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1302	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1303	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1304	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1305	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1306	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1307	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1308	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38
9/28/95	POI #48	082RB1309	NA	NA	Soil Rinsate Blank	1030	LIQ	GRAB	046-FR-001	38

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2C, Carlsbad, CA 92009 Phone: 619 634-0437 Fax: 619 634-0439

Bechtel National, Inc.
401 West "A" Street, Suite 1000
San Diego, CA 92101-7905
Attn: Dr. Randy Jordan

January 17, 1996

Project Name : NTC San Diego
Project # : CTO 082

On January 3, 1996 the following data packages were received by Laboratory Data Consultants, Inc. from Bechtel National, Inc.. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project # 1721:

SDG #	Fraction
GW01	Halogenated Volatile Organics, Chlorinated Pesticides & PCBs, Trace Metals, TPH as Gasoline, TPH as Diesel, Total Recoverable Petroleum Hydrocarbons

The above SDGs were reviewed using NEESA Level "C" guidelines. The analyses were validated using the following documents, as applicable to each method:

- NEESA document 20.2-047B, Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Restoration Program, June 1988.
- USEPA, Contract Laboratory Program National Functional Guidelines for Organic Data Review, February 1994
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, November 1986; Revision 1, July 1992; Revision 2, November 1992; and update 1, August 1993

The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

For pesticides/PCBs analyses, the primary finding consisted of:

a) Continuing calibration factors exceeded acceptance criteria in SDG GW01.

For trace metals analyses, the primary findings consisted of:

a) Matrix spike percent recovery limits for several analytes exceeded acceptance criteria in SDG GW01. The associated non-detect results for thallium and arsenic were qualified as unusable in SDG GW01.

b) Several metal contaminants were detected in the blanks.

c) ICP serial dilution exceeded acceptance criteria for chromium and barium in SDG GW01.

For TPH as gasoline analyses, no significant findings were observed.

For TPH as diesel analyses, the primary findings consisted of:

a) Holding times were exceeded for several samples SDG GW01.

b) Laboratory control sample and laboratory control sample duplicate RPD for TPH as diesel exceeded acceptance criteria in SDG GW01.

For TRPH analyses, the primary findings consisted of:

a) Initial and continuing blanks absolute value exceeded acceptance criteria in SDG GW01.

b) TRPH was detected in the method blanks.

For halogenated volatile organics analyses, the primary findings consisted of:

a) The initial calibration correlation coefficients for several compounds exceeded acceptance criteria in SDG GW01.

b) The continuing calibration factors for several compounds exceeded acceptance criteria in SDG GW01.

c) Surrogate percent recoveries exceeded acceptance criteria in sample 082SB1302 in SDG GW01.

d) Matrix spike\matrix spike duplicate percent recovery for several compounds exceeded acceptance criteria in SDG GW01.

e) Laboratory control sample percent recovery and relative percent difference for several compounds exceeded acceptance criteria in SDG GW01.

In general, the data for all analyses appear usable with the limitations noted in the Data Validation Reports. Data validation flags were noted on the Laboratory Form 1s and included with each validation report.

Sincerely,

(For)

Richard M. Amano
President/Principal Chemist

Attachment 1

LDC #1721 (Bechtel/NTC San Diego, CTO 082)

LDC	SDG#	DATE REC'D	DATE DUE	Halogenated Volatile Organics		Pesticides /PCBs		Metals & Mo		TPH-G		TPH-D		TRPH																							
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	GW01			8	20	0	10	6	22	2	10	4	10	6	22																						
Total				8	20	0	10	6	22	2	10	4	10	6	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

.ded cells indicate Level D validation (all other cells are Level C validation)

LABORATORY DATA CONSULTANTS, INC.
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Attn: Dr. Randy Jordan

January 17, 1996

Project Name : NTC San Diego
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SDG #	Fraction
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The data validators did utilize their professional judgement when evaluating the data to achieve the most complete and accurate assessment of the data. The data packages were reviewed according to the above stated validation procedures.

For pesticides/PCBs analyses, the primary finding consisted of:

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a) Matrix spike percent recovery limits for several analytes exceeded acceptance criteria in SDG GW01. The associated non-detect results for thallium and arsenic were qualified as unusable in SDG GW01.

b) Several metal contaminants were detected in the blanks.

c) ICP serial dilution exceeded acceptance criteria for chromium and barium in SDG GW01.

For TPH as gasoline analyses, no significant findings were observed.

For TPH as diesel analyses, the primary findings consisted of:

a) Holding times were exceeded for several samples SDG GW01.

b) Laboratory control sample and laboratory control sample duplicate RPD for TPH as diesel exceeded acceptance criteria in SDG GW01.

For TRPH analyses, the primary findings consisted of:

a) Initial and continuing blanks absolute value exceeded acceptance criteria in SDG GW01.

b) TRPH was detected in the method blanks.

For halogenated volatile organics analyses, the primary findings consisted of:

a) The initial calibration correlation coefficients for several compounds exceeded acceptance criteria in SDG GW01.

b) The continuing calibration factors for several compounds exceeded acceptance criteria in SDG GW01.

c) Surrogate percent recoveries exceeded acceptance criteria in sample 082SB1302 in SDG GW01.

d) Matrix spike\matrix spike duplicate percent recovery for several compounds exceeded acceptance criteria in SDG GW01.

e) Laboratory control sample percent recovery and relative percent difference for several compounds exceeded acceptance criteria in SDG GW01.

In general, the data for all analyses appear usable with the limitations noted in the Data Validation Reports. Data validation flags were noted on the Laboratory Form 1s and included with each validation report.

Sincerely,

(For)

Richard M. Amano
President/Principal Chemist

Attachment 1

LDC #1721 (Bechtel/NTC San Diego, CTO 082)

LDC	SDG#	DATE REC'D	DATE DUE	Halogenated Volatile Organics		Pesticides /PCBs		Metals & Mo		TPH-G		TPH-D		TRPH																							
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	GW01			8	20	0	10	6	22	2	10	4	10	6	22																						
Total				8	20	0	10	6	22	2	10	4	10	6	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

.aded cells indicate Level D validation (all other cells are Level C validation)

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: August 31 through September 6, 1995

LDC Report Date: January 10, 1996

Matrix: Soil/Water

Parameters: Halogenated Volatile Organics

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB0101
082SB0301
082SB0201
082SB0501
082SB0701
082SB0401
082SB0601
082SB0801
082SB0901
082SB1001
082GW0101
082TB0101
082RB0101
082SB1102
082SB1202
082SB1302
082SB1402
082SB1502
082TB0201
082RB0201
082SB1602
082SB1702
082SB1802
082GW0202
082SB1102MS
082SB1102MSD
082GW0202MS
082GW0202MSD

Introduction

This data review covers 20 soil samples and 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8010 for Halogenated Volatile Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8010. The modifications were based on EPA SW 846 Method 8010.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. Calibration

a. Initial Calibration

Initial calibration of analytes was performed for the primary (quantitation) column and confirmation column as required by this method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990 with the following exceptions:

Date	Column	Compound	r^2	Associated Samples	Flag	A or P
8/28/95	RTX-1	Bromoform	0.9789	082GW0101 082TB0101 082RB0101 TBLK PA	J	P
9/14/95	RTX-502	2-Chloroethylvinyl ether	0.9847	082TB0201 082RB0201 082GW0202 082GW0202MS 082GW0202MSD TBLK OF.	J	P
9/13/95	RTX-1	Chloromethane	0.7334	All soil samples in SDG GW01	J	P
9/13/95	RTX-502 RTX-502	Chloromethane Vinyl chloride	0.4791 0.9628	All soil samples in SDG GW01	J J	P

b. Calibration Verification

Calibration verification was performed at the required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits with the following exceptions:

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/14/95	HVOI1-64742-L3	RTX-1	Trichlorofluoromethane 1,1-Dichloroethene Chloroform	17 17 17	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 TBLK OE	J J J	P
9/14/95	HVOI2-64742-L3	RTX-1	Chloromethane Chloroethane	49 27	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 TBLK OE	J J	P
9/14/95	HVOI1-64742-L3	RTX-1	Chlorobenzene	61	082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1102MS 082SB1102MSD	J	P
9/15/95.	HVOI2-64742-L3	RTX-1	Chloromethane Bromomethane Vinyl chloride Chloroethane trans-1,2-Dichloroethene 1,2-Dichloroethane 1,1,1-Trichloroethane Bromodichloromethane	47 121 147 61 29 27 17 20	082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1102MS 082SB1102MSD	J J J J J J J J	P
9/15/95	HVOI2-64742-L3	RTX-1	Chloromethane Bromomethane Vinyl Chloride Chloroethane 1,1,1-Trichloroethane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2,2-Tetrachloroethane 1,2-Dichlorobenzene 1,4-Dichlorobenzene	325 46 57 60 21 20 20 21 17 18 17	082SB1502 082SB1602 082SB1702 082SB1802	J J J J J J J J J J J	P
9/15/95	HVOI1-64742-L3	RTX-1	Chlorobenzene	80	082SB1502 082SB1602 082SB1702 082SB1802	J	P

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/14/95	HVOI1-64742-L3	RTX-502	Dichloromethane	20	082SB0101	J	P
			Trichlorofluoromethane	26	082SB0301	J	
			1,1-Dichloroethene	22	082SB0201	J	
			cis-1,2-Dichloroethene	19	082SB0501	J	
			Carbon tetrachloride	16	082SB0701	J	
			Trichloroethene	18	082SB0401	J	
			1,1,2-Trichloroethane	16	082SB0601	J	
			Dibromochloromethane	16	TBLK OE	J	
			2-Chloroethylvinyl ether	22		J	
			Chlorobenzene	35		J	
9/14/95	HVOI2-64742-L3	RTX-502	Chloromethane	77	082SB0101	J	P
			Chloroethane	24	082SB0301	J	
					082SB0201		
					082SB0501		
					082SB0701		
					082SB0401		
					082SB0601		
					TBLK OE		
9/14/95	HVOI1-64742-L3	RTX-502	Dichloromethane	44	082SB0801	J	P
			Trichlorofluoromethane	16	082SB0901	J	
			1,1-Dichloroethene	33	082SB1001	J	
			cis-1,2-Dichloroethene	27	082SB1102	J	
			1,2-Dichloropropane	16	082SB1202	J	
			Trichloroethene	38	082SB1302	J	
			2-Chloroethylvinyl ether	44	082SB1402	J	
			Tetrachloroethene	25	082SB1102MS	J	
			Chlorobenzene	63	082SB1102MSD	J	
9/15/95	HVOI2-64742-L3	RTX-502	Chloromethane	83	082SB0801	J	P
			Bromomethane	17	082SB0901	J	
			Vinyl chloride	26	082SB1001	J	
			Chloroethane	37	082SB1102	J	
			1,2-Dichloroethane	33	082SB1202	J	
			Bromodichloromethane	17	082SB1302	J	
			1,3-Dichlorobenzene	43	082SB1402	J	
			1,2-Dichlorobenzene	52	082SB1102MS	J	
			1,4-Dichlorobenzene	44	082SB1102MSD	J	
9/15/95	HVOI2-64742-L3	RTX-502	Chloromethane	89	082SB1502	J	P
			Chloroethane	52	082SB1602	J	
			trans-1,2-Dichloroethene	38	082SB1702	J	
			1,2-Dichloroethane	50	082SB1802	J	
			1,1,1-Trichloroethane	28		J	
			Bromodichloromethane	20		J	
			cis-1,3-Dichloropropene	21		J	
			trans-1,3-Dichloropropene	22		J	
			1,3-Dichlorobenzene	61		J	
			1,2-Dichlorobenzene	66		J	
			1,4-Dichlorobenzene	62		J	

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/15/95	HVOI1-64742-L3	RTX-502	Dichloromethane Trichlorofluoromethane 1,1-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 1,2-Dichloropropane Trichloroethene 1,1,2-Trichloroethane 2-Chloroethylvinyl ether Tetrachloroethene Chlorobenzene	48 18 37 17 31 32 57 25 52 40 75	082SB1502 082SB1602 082SB1702 082SB1802	J J J J J J J J J J J	P
9/12/95	HVOI2-64742-L3	RTX-1	1,4-Dichlorobenzene	25	082GW0101 082TB0101 082RB0101 TBLK PA	J	P
9/12/95	HVOI1-64742-L3	RTX-1	Chloroform Trichloroethene 2-Chloroethylvinyl ether Tetrachloroethene	24 20 51 16	082GW0101 082TB0101 082RB0101 TBLK PA	J J J J	P
9/18/95	HVOI1-64742-L3	RTX-1	Trichlorofluoromethane 1,1-Dichloroethene 2-Chloroethylvinyl ether	29 20 68	082TB0201 082RB0201 TBLK OF	J J J	P
9/18/95	HVOI2-64742-L3	RTX-1	Chloromethane Chloroethane 1,1,2,2-Tetrachloroethane 1,2-Dichlorobenzene	28 28 21 31	082TB0201 082RB0201 TBLK OF	J J J J	P
9/19/95	HVOI1-64742-L3	RTX-1	Dichloromethane 2-Chloroethylvinyl ether	23 89	082GW0202 082GW0202MS 082GW0202MSD	J J	P
9/19/95	HVOI1-64742-L3	RTX-1	Chloromethane Chloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	43 17 16 32	082GW0202 082GW0202MS 082GW0202MSD	J J J J	P
9/18/95	HVOI1-64742-L3	RTX-502	Trichlorofluoromethane 1,1-Dichloroethene Dibromochloromethane	33 21 77	082TB0201 082RB0201 TBLK OF	J J J	P
9/18/95	HVOI2-64742-L3	RTX-502	Chloromethane Vinyl chloride Bromodichloromethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	59 20 18 17 24	082TB0201 082RB0201 TBLK OF	J J J J J	P

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/19/95	HVOI1-64742-L3	RTX-502	Trichlorofluoromethane Carbon tetrachloride 1,2-Dichloropropane Dibromochloromethane	24 18 21 Not calculated	082GW0202 082GW0202MS 082GW0202MSD	J J J	P
9/19/95	HVOI2-64742-L3	RTX-502	Chloromethane Bromodichloromethane Bromoform 1,3-Dichlorobenzene 1,4-Dichlorobenzene	68 26 Not calculated 29 18	082GW0202 082GW0202MS 082GW0202MSD	J J J J J	P

III. Blanks

Method blanks were reviewed for each matrix as applicable. No halogenated volatile organic contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within QC limits with the following exceptions:

Sample	Column	Surrogate	%R (Limits)	Compound	Flag	A or P
082SB1302	RTX-1	1,2,4-Trichlorobenzene	97 (11-93)	All TCL compounds	J (all detects)	A

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Sample (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
082SB1102MS/MSD (All soil samples in SDG GW01)	Chlorobenzene Chloroethane Vinyl chloride	131 (73-123) 146 (46-137) 170 (28-163)	- 144 (46-137) 172 (28-163)	- - -	J (all detects) J (all detects) J (all detects)	A
082GW0202MS/MSD (All water samples in SDG GW01)	Bromomethane	56 (63-131)	61 (63-131)	-	J	A

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
TBLK PA LCS/LCSD (082GW0101 082TB0101 082RB0101 TBLK PA)	Bromomethane	126 (68-125)	130 (68-125)	-	J (all detects)	A
	Carbon tetrachloride	-	132 (70-130)	-	J (all detects)	
	Chloroethane	134 (64-129)	146 (64-129)	-	J (all detects)	
	Chloroform	130 (70-126)	135 (70-126)	-	J (all detects)	
	Chloromethane	146 (46-119)	154 (46-119)	-	J (all detects)	
	Dichloromethane	-	134 (64-132)	-	J (all detects)	
	1,2-Dichloropropane	-	131 (63-128)	-	J (all detects)	
	Tetrachloroethene	128 (73-127)	129 (73-127)	-	J (all detects)	
	Trichloroethene	-	134 (66-132)	-	J (all detects)	
	Vinyl chloride	-	136 (52-135)	22 (≤20)	J	
TBLK OF LCS/LCSD (082TB0201 082RB0201 082GW0202 TBLK OF)	Bromomethane	65 (68-125)	60 (68-125)	-	J	A
	Chloroform	-	131 (70-126)	-	J (all detects)	
TBLK OE LCS/LCSD (All soil samples in SDG GW01)	Carbon tetrachloride	-	128 (63-125)	-	J (all detects)	A
	Vinyl chloride	172 (28-163)	206 (28-163)	-	J (all detects)	

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

Samples 082TB0101 and 082TB0201 were identified as trip blanks. No halogenated volatile organic contaminants were found in these blanks.

Samples 082RB0101 and 082RB0201 were identified as rinsate blanks. No halogenated volatile organic contaminants were found in these blanks.

NTC San Diego, CTO 082
Halogenated Volatile Organics - Data Qualification Summary - SDG GW01

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082GW0101 082TB0101 082RB0101	Bromoform	J	P	Initial calibration (r^2)
GW01	082TB0201 082RB0201 082GW0202	2-Chloroethylvinyl ether	J	P	Initial calibration (r^2)
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	Chloromethane Vinyl chloride	J J	P	Initial calibration (r^2)
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601	Trichlorofluoromethane 1,1-Dichloroethene Chloroform Chloromethane Chloroethane	J J J J J	P	Calibration verification (%D)
GW01	082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402	Chlorobenzene Chloromethane Bromomethane Vinyl chloride Chloroethane trans-1,2-Dichloroethene 1,2-Dichloroethane 1,1,1-Trichloroethane Bromodichloromethane	J J J J J J J J J	P	Calibration verification (%D)

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1502	Chloromethane	J	P	Calibration verification (%D)
	082SB1602	Bromomethane	J		
	082SB1702	Vinyl Chloride	J		
	082SB1802	Chloroethane	J		
		1,1,1-Trichloroethane	J		
		Bromodichloromethane	J		
		cis-1,3-Dichloropropene	J		
		trans-1,3-Dichloropropene	J		
		1,1,2,2-Tetrachloroethane	J		
		1,2-Dichlorobenzene	J		
		1,4-Dichlorobenzene	J		
		Chlorobenzene	J		
GW01	082SB0101	Dichloromethane	J	P	Calibration verification (%D)
	082SB0301	Trichlorofluoromethane	J		
	082SB0201	1,1-Dichloroethene	J		
	082SB0501	cis-1,2-Dichloroethene	J		
	082SB0701	Carbon tetrachloride	J		
	082SB0401	Trichloroethene	J		
	082SB0601	1,1,2-Trichloroethane	J		
		Dibromochloromethane	J		
		2-Chloroethylvinyl ether	J		
		Chlorobenzene	J		
		Chloromethane	J		
		Chloroethane	J		
GW01	082SB0801	Dichloromethane	J	P	Calibration verification (%D)
	082SB0901	Trichlorofluoromethane	J		
	082SB1001	1,1-Dichloroethene	J		
	082SB1102	cis-1,2-Dichloroethene	J		
	082SB1202	1,2-Dichloropropane	J		
	082SB1302	Trichloroethene	J		
	082SB1402	2-Chloroethylvinyl ether	J		
		Tetrachloroethene	J		
		Chlorobenzene	J		
		Chloromethane	J		
		Bromomethane	J		
		Vinyl chloride	J		
		Chloroethane	J		
		1,2-Dichloroethane	J		
		Bromodichloromethane	J		
		1,3-Dichlorobenzene	J		
		1,2-Dichlorobenzene	J		
		1,4-Dichlorobenzene	J		

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1502 082SB1602 082SB1702 082SB1802	Chloromethane Chloroethane trans-1,2-Dichloroethene 1,2-Dichloroethane 1,1,1-Trichloroethane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,3-Dichlorobenzene 1,2-Dichlorobenzene 1,4-Dichlorobenzene Dichloromethane Trichlorofluoromethane 1,1-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 1,2-Dichloropropane Trichloroethene 1,1,2-Trichloroethane 2-Chloroethylvinyl ether Tetrachloroethene Chlorobenzene	J J J J J J J J J J J J J J J J J J J J J J	P	Calibration verification (%D)
GW01	082GW0101 082TB0101 082RB0101	1,4-Dichlorobenzene Chloroform Trichloroethene 2-Chloroethylvinyl ether Tetrachloroethene	J J J J J	P	Calibration verification (%D)
GW01	082TB0201 082RB0201	Trichlorofluoromethane 1,1-Dichloroethene 2-Chloroethylvinyl ether Chloromethane Chloroethane 1,1,2,2-Tetrachloroethane 1,2-Dichlorobenzene	J J J J J J J	P	Calibration verification (%D)
GW01	082GW0202	Dichloromethane 2-Chloroethylvinyl ether Chloromethane Chloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	J J J J J J	P	Calibration verification (%D)
GW01	082TB0201 082RB0201	Trichlorofluoromethane 1,1-Dichloroethene Dibromochloromethane Chloromethane Vinyl chloride Bromodichloromethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	J J J J J J J J	P	Calibration verification (%D)

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082GW0202	Trichlorofluoromethane Carbon tetrachloride 1,2-Dichloropropane Dibromochloromethane Chloromethane Bromodichloromethane Bromoform 1,3-Dichlorobenzene 1,4-Dichlorobenzene	J J J J J J J J J	P	Calibration verification (%D)
GW01	082SB1302	All TCL compounds	J (all detects)	A	Surrogate recovery (%R)
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	Chlorobenzene Chloroethane Vinyl chloride	J (all detects) J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
GW01	082GW0101 082TB0101 082RB0101 082TB0201 082RB0201 082GW0202	Bromomethane	J	A	Matrix spike/Matrix spike duplicates (%R)
GW01	082GW0101 082TB0101 082RB0101	Bromomethane Carbon tetrachloride Chloroethane Chloroform Chloromethane Dichloromethane 1,2-Dichloropropane Tetrachloroethene Trichloroethene Vinyl chloride	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J	A	Laboratory control samples (%R) (RPD)
GW01	082TB0201 082RB0201 082GW0202	Bromomethane Chloroform	J J (all detects)	A	Laboratory control samples (%R)

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	Carbon tetrachloride Vinyl chloride	J (all detects) J (all detects)	A	Laboratory control samples (%R)

NTC San Diego, CTO 082
Halogenated Volatile Organics - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.35

% Moisture: 4 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	U
75-25-2	Bromoform	0.0020	U	
74-83-9	Bromomethane	0.0020	U	
56-23-5	Carbon Tetrachloride	0.0020	U	UJ (5B)
108-90-7	Chlorobenzene	0.0020	U	UJ (5B)
75-00-3	Chloroethane	0.0020	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0020	U	UJ (5B)
67-66-3	Chloroform	0.0020	U	UJ (5B)
74-87-3	Chloromethane	0.0020	U	UJ (5A,5B)
124-48-1	Dibromochloromethane	0.0020	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0020	U	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	
106-46-7	1,4-Dichlorobenzene	0.0020	U	
75-34-3	1,1-Dichloroethane	0.0020	U	
107-06-2	1,2-Dichloroethane	0.0020	U	
75-35-4	1,1-Dichloroethene	0.0020	U	UJ(5B)
156-59-2	cis-1,2-Dichloroethene	0.0020	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0020	U	U
75-09-2	Dichloromethane	0.0020	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0020	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	
127-18-4	Tetrachloroethene	0.0020	U	
71-55-6	1,1,1-Trichloroethane	0.0020	U	
79-00-5	1,1,2-Trichloroethane	0.0020	U	UJ (5B)
79-01-6	Trichloroethene	0.0020	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0020	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0020	U	UJ (5A)

CA 1-17-96

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0301

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.41

% Moisture: 4 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	U
75-25-2	Bromoform	0.0020	U	
74-83-9	Bromomethane	0.0020	U	
56-23-5	Carbon Tetrachloride	0.0020	U	UJ (5B)
108-90-7	Chlorobenzene	0.0020	U	UJ (5B)
75-00-3	Chloroethane	0.0020	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0020	U	UJ (5B)
67-66-3	Chloroform	0.0020	U	UJ (5B)
74-87-3	Chloromethane	0.0020	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0020	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0020	U	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	
106-46-7	1,4-Dichlorobenzene	0.0020	U	
75-34-3	1,1-Dichloroethane	0.0020	U	
107-06-2	1,2-Dichloroethane	0.0020	U	
75-35-4	1,1-Dichloroethene	0.0020	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0020	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0020	U	U
75-09-2	Dichloromethane	0.0020	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0020	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	
127-18-4	Tetrachloroethene	0.0020	U	
71-55-6	1,1,1-Trichloroethane	0.0020	U	
79-00-5	1,1,2-Trichloroethane	0.0020	U	UJ (5B)
79-01-6	Trichloroethene	0.0020	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0020	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0020	U	UJ (5A)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0201

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-005

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.37

% Moisture: 31 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0028	U	U
75-25-2	Bromoform	0.0028	U	
74-83-9	Bromomethane	0.0028	U	
56-23-5	Carbon Tetrachloride	0.0028	U	UJ 5B
108-90-7	Chlorobenzene	0.0028	U	UJ 5B
75-00-3	Chloroethane	0.0028	U	UJ 5B
110-75-8	2-Chloroethylvinylether	0.0028	U	UJ 5B
67-66-3	Chloroform	0.0028	U	UJ 5B
74-87-3	Chloromethane	0.0028	U	UJ 5A, 5B
124-48-1	Dibromochloromethane	0.0028	U	UJ 5B
95-50-1	1,2-Dichlorobenzene	0.0028	U	U
541-73-1	1,3-Dichlorobenzene	0.0028	U	
106-46-7	1,4-Dichlorobenzene	0.0028	U	
75-34-3	1,1-Dichloroethane	0.0028	U	
107-06-2	1,2-Dichloroethane	0.0028	U	
75-35-4	1,1-Dichloroethene	0.0028	U	UJ 5B
156-59-2	cis-1,2-Dichloroethene	0.0028	U	UJ 5B
156-60-5	trans-1,2-Dichloroethene	0.0028	U	U
75-09-2	Dichloromethane	0.0028	U	UJ 5B
78-87-5	1,2-Dichloropropane	0.0028	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0028	U	
10061-02-6	trans-1,3-Dichloropropene	0.0028	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0028	U	
127-18-4	Tetrachloroethene	0.0028	U	
71-55-6	1,1,1-Trichloroethane	0.0028	U	
79-00-5	1,1,2-Trichloroethane	0.0028	U	UJ 5B
79-01-6	Trichloroethene	0.0028	U	UJ 5B
75-69-4	Trichlorofluoromethane	0.0028	U	UJ 5B
75-01-4	Vinyl Chloride	0.0028	U	UJ 5A

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0501

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-007

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.38

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	U
75-25-2	Bromoform	0.0022	U	
74-83-9	Bromomethane	0.0022	U	
56-23-5	Carbon Tetrachloride	0.0022	U	UJ (5B)
108-90-7	Chlorobenzene	0.0022	U	UJ (5B)
75-00-3	Chloroethane	0.0022	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0022	U	UJ (5B)
67-66-3	Chloroform	0.0022	U	UJ (5B)
74-87-3	Chloromethane	0.0022	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0022	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0022	U	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	
106-46-7	1,4-Dichlorobenzene	0.0022	U	
75-34-3	1,1-Dichloroethane	0.0022	U	
107-06-2	1,2-Dichloroethane	0.0022	U	
75-35-4	1,1-Dichloroethene	0.0022	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0022	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0022	U	U
75-09-2	Dichloromethane	0.0022	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0022	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	
127-18-4	Tetrachloroethene	0.0022	U	
71-55-6	1,1,1-Trichloroethane	0.0022	U	
79-00-5	1,1,2-Trichloroethane	0.0022	U	UJ (5B)
79-01-6	Trichloroethene	0.0022	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0022	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0022	U	UJ (5A)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0701

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-009

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.39

% Moisture: 6 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	U
75-25-2	Bromoform	0.0022	U	↓
74-83-9	Bromomethane	0.0022	U	↓
56-23-5	Carbon Tetrachloride	0.0022	U	UJ (5B)
108-90-7	Chlorobenzene	0.0022	U	UJ (5B)
75-00-3	Chloroethane	0.0022	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0022	U	UJ (5B)
67-66-3	Chloroform	0.0022	U	UJ (5B)
74-87-3	Chloromethane	0.0022	U	UJ (5A,5B)
124-48-1	Dibromochloromethane	0.0022	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0022	U	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	↓
106-46-7	1,4-Dichlorobenzene	0.0022	U	↓
75-34-3	1,1-Dichloroethane	0.0022	U	UJ 5A
107-06-2	1,2-Dichloroethane	0.0022	U	U
75-35-4	1,1-Dichloroethene	0.0022	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0022	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0022	U	U
75-09-2	Dichloromethane	0.0022	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0022	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	↓
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	↓
127-18-4	Tetrachloroethene	0.0022	U	↓
71-55-6	1,1,1-Trichloroethane	0.0022	U	↓
79-00-5	1,1,2-Trichloroethane	0.0022	U	UJ (5B)
79-01-6	Trichloroethene	0.0022	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0022	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0022	U	UJ (5A)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0401

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-011

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.40

% Moisture: 30 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0028	U	U
75-25-2	Bromoform	0.0028	U	
74-83-9	Bromomethane	0.0028	U	
56-23-5	Carbon Tetrachloride	0.0028	U	UJ (5B)
108-90-7	Chlorobenzene	0.0028	U	UJ (5B)
75-00-3	Chloroethane	0.0028	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0028	U	UJ (5B)
67-66-3	Chloroform	0.0028	U	UJ (5B)
74-87-3	Chloromethane	0.0028	U	UJ (5A)
124-48-1	Dibromochloromethane	0.0028	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0028	U	U
541-73-1	1,3-Dichlorobenzene	0.0028	U	
106-46-7	1,4-Dichlorobenzene	0.0028	U	
75-34-3	1,1-Dichloroethane	0.0028	U	
107-06-2	1,2-Dichloroethane	0.0028	U	
75-35-4	1,1-Dichloroethene	0.0028	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0028	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0028	U	U
75-09-2	Dichloromethane	0.0028	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0028	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0028	U	
10061-02-6	trans-1,3-Dichloropropene	0.0028	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0028	U	
127-18-4	Tetrachloroethene	0.0028	U	
71-55-6	1,1,1-Trichloroethane	0.0028	U	
79-00-5	1,1,2-Trichloroethane	0.0028	U	UJ (5B)
79-01-6	Trichloroethene	0.0028	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0028	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0028	U	UJ (5A)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0601

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-013

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.42

% Moisture: 18 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	U
75-25-2	Bromoform	0.0024	U	
74-83-9	Bromomethane	0.0024	U	
56-23-5	Carbon Tetrachloride	0.0024	U	UJ (5B)
108-90-7	Chlorobenzene	0.0024	U	UJ (5B)
75-00-3	Chloroethane	0.0024	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0024	U	UJ (5B)
67-66-3	Chloroform	0.0024	U	UJ 5B
74-87-3	Chloromethane	0.0024	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0024	U	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	
106-46-7	1,4-Dichlorobenzene	0.0024	U	
75-34-3	1,1-Dichloroethane	0.0024	U	
107-06-2	1,2-Dichloroethane	0.0024	U	
75-35-4	1,1-Dichloroethene	0.0024	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0024	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0024	U	U
75-09-2	Dichloromethane	0.0024	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0024	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	
127-18-4	Tetrachloroethene	0.0024	U	
71-55-6	1,1,1-Trichloroethane	0.0024	U	
79-00-5	1,1,2-Trichloroethane	0.0024	U	UJ (5B)
79-01-6	Trichloroethene	0.0024	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0089		J (5B)
75-01-4	Vinyl Chloride	0.0024	U	UJ (5A)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0801

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-015

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.45

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0026	U	UJ (5B)
75-25-2	Bromoform	0.0026	U	U
74-83-9	Bromomethane	0.0026	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0026	U	U
108-90-7	Chlorobenzene	0.0026	U	UJ (5B)
75-00-3	Chloroethane	0.0026	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0026	U	UJ (5B)
67-66-3	Chloroform	0.0026	U	U
74-87-3	Chloromethane	0.0026	U	UJ (5BA,
124-48-1	Dibromochloromethane	0.0026	U	U
95-50-1	1,2-Dichlorobenzene	0.0026	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0026	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	0.0026	U	UJ (5B)
75-34-3	1,1-Dichloroethane	0.0026	U	U
107-06-2	1,2-Dichloroethane	0.0026	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0026	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0026	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0026	U	UJ (5B)
75-09-2	Dichloromethane	0.0026	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0026	U	UJ (5B)
10061-01-5	cis-1,3-Dichloropropene	0.0026	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0026	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0026	U	↓
127-18-4	Tetrachloroethene	0.0026	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0026	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0026	U	U
79-01-6	Trichloroethene	0.0026	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0026	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0026	U	UJ (5BA, 5B)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0901

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-017

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.46

% Moisture: 4 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	UJ (5B)
75-25-2	Bromoform	0.0020	U	U
74-83-9	Bromomethane	0.0020	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0020	U	U
108-90-7	Chlorobenzene	0.0020	U	UJ (5B)
75-00-3	Chloroethane	0.0020	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0020	U	UJ (5B)
67-66-3	Chloroform	0.0020	U	U
74-87-3	Chloromethane	0.0020	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0020	U	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0020	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	0.0020	U	UJ (5B)
75-34-3	1,1-Dichloroethane	0.0020	U	U
107-06-2	1,2-Dichloroethane	0.0020	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0020	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0020	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0020	U	UJ (5B)
75-09-2	Dichloromethane	0.0020	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0020	U	UJ (5B)
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	UJ (5B)
127-18-4	Tetrachloroethene	0.0020	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0020	U	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	UJ (5B)
79-01-6	Trichloroethene	0.0020	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0020	U	UJ (5A, 5B)
75-01-4	Vinyl Chloride	0.0020	U	

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1001

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-019

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.47

% Moisture: 17 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	UJ (5B)
75-25-2	Bromoform	0.0024	U	U
74-83-9	Bromomethane	0.0024	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0024	U	U
108-90-7	Chlorobenzene	0.0024	U	UJ (5B)
75-00-3	Chloroethane	0.0024	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0024	U	UJ (5B)
67-66-3	Chloroform	0.0024	U	U
74-87-3	Chloromethane	0.0024	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0024	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	0.0024	U	UJ (5B)
75-34-3	1,1-Dichloroethane	0.0024	U	U
107-06-2	1,2-Dichloroethane	0.0024	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0024	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0024	U	↓ ↓ ↓
156-60-5	trans-1,2-Dichloroethene	0.0024	U	↓ ↓ ↓
75-09-2	Dichloromethane	0.0024	U	↓ ↓ ↓
78-87-5	1,2-Dichloropropane	0.0024	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	↓
127-18-4	Tetrachloroethene	0.0024	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0024	U	U
79-01-6	Trichloroethene	0.0024	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0024	U	↓ ↓ (5B)
75-01-4	Vinyl Chloride	0.0024	U	↓ ↓ (5A, 5B)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S091-021

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091201.09

% Moisture: decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/12/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/12/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	U
75-25-2	Bromoform	1.0	U	U J (5A)
74-83-9	Bromomethane	1.0	U	U J ~~(5A)~~ 5 ~~(5B)~~
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
110-75-8	2-Chloroethylvinylether	1.0	U	U J (5B)
67-66-3	Chloroform	1.0	U	U J (5B)
74-87-3	Chloromethane	1.0	U	U
124-48-1	Dibromochloromethane	30 ~~1.0~~	U	CM 10/11/95
95-50-1	1,2-Dichlorobenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	U J (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
75-09-2	Dichloromethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	U J (5B)
71-55-6	1,1,1-Trichloroethane	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	U
79-01-6	Trichloroethene	1.0	U	U J (5B)
75-69-4	Trichlorofluoromethane	1.0	U	U
75-01-4	Vinyl Chloride	1.0	U	U J (10)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082TB0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S091-025

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091201.10

% Moisture: decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/12/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/12/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	U
75-25-2	Bromoform	1.0	U	UJ (5A)
74-83-9	Bromomethane	1.0	U	UJ (8)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
110-75-8	2-Chloroethylvinylether	1.0	U	UJ ~~5A~~ (5B)
67-66-3	Chloroform	1.0	U	UJ (5B)
74-87-3	Chloromethane	1.0	U	U
124-48-1	Dibromochloromethane	30 ~~1.0~~	U	CM 10/11/95
95-50-1	1,2-Dichlorobenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	UJ (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
75-09-2	Dichloromethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	U
79-01-6	Trichloroethene	1.0	U	UJ (5B)
75-69-4	Trichlorofluoromethane	1.0	U	U
75-01-4	Vinyl Chloride	1.0	U	UJ (10)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S091-027

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091201.11

% Moisture: decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/12/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/12/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	U
75-25-2	Bromoform	1.0	U	UJ (5A)
74-83-9	Bromomethane	1.0	U	UJ (8)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5B)
67-66-3	Chloroform	1.0	U	UJ (5B)
74-87-3	Chloromethane	1.0	U	U
124-48-1	Dibromochloromethane	3.0 ~~1.0~~	U	CM 10/11/95
95-50-1	1,2-Dichlorobenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	UJ (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
75-09-2	Dichloromethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	U
79-01-6	Trichloroethene	1.0	U	UJ (5B)
75-69-4	Trichlorofluoromethane	1.0	U	U
75-01-4	Vinyl Chloride	1.0	U	UJ (10)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1102

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.48

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	u J (5B)
75-25-2	Bromoform	0.0022	U	u
74-83-9	Bromomethane	0.0022	U	u J (5B)
56-23-5	Carbon Tetrachloride	0.0022	U	u
108-90-7	Chlorobenzene	0.0022	U	u J (5B)
75-00-3	Chloroethane	0.0022	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0022	U	↓
67-66-3	Chloroform	0.0022	U	u
74-87-3	Chloromethane	0.0022	U	u J (5A, 5
124-48-1	Dibromochloromethane	0.0022	U	u
95-50-1	1,2-Dichlorobenzene	0.0022	U	u J (5B)
541-73-1	1,3-Dichlorobenzene	0.0022	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0022	U	↓
75-34-3	1,1-Dichloroethane	0.0022	U	u
107-06-2	1,2-Dichloroethane	0.0022	U	u J (5B)
75-35-4	1,1-Dichloroethene	0.0022	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0022	U	↓
156-60-5	trans-1,2-Dichloroethene	0.0022	U	↓
75-09-2	Dichloromethane	0.0022	U	↓ ↓ ↓
78-87-5	1,2-Dichloropropane	0.0022	U	↓
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	u
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	↓
127-18-4	Tetrachloroethene	0.0022	U	u J (5B)
71-55-6	1,1,1-Trichloroethane	0.0022	U	u J (5B)
79-00-5	1,1,2-Trichloroethane	0.0022	U	u
79-01-6	Trichloroethene	0.0022	U	u J (5B)
75-69-4	Trichlorofluoromethane	0.0021	J	J (8, 5B)
75-01-4	Vinyl Chloride	0.0022	U	u J (5B)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.51

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	u J (5B)
75-25-2	Bromoform	0.0024	U	u
74-83-9	Bromomethane	0.0024	U	u J (5B)
56-23-5	Carbon Tetrachloride	0.0024	U	u
108-90-7	Chlorobenzene	0.0024	U	u J (5B)
75-00-3	Chloroethane	0.0024	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0024	U	u
67-66-3	Chloroform	0.0024	U	u J (5A, 5B)
74-87-3	Chloromethane	0.0024	U	u
124-48-1	Dibromochloromethane	0.0024	U	u J (5B)
95-50-1	1,2-Dichlorobenzene	0.0024	U	↓ ↓ ↓
541-73-1	1,3-Dichlorobenzene	0.0024	U	u
106-46-7	1,4-Dichlorobenzene	0.0024	U	u J (5B)
75-34-3	1,1-Dichloroethane	0.0024	U	↓ ↓ ↓
107-06-2	1,2-Dichloroethane	0.0024	U	
75-35-4	1,1-Dichloroethene	0.0024	U	
156-59-2	cis-1,2-Dichloroethene	0.0024	U	
156-60-5	trans-1,2-Dichloroethene	0.0024	U	
75-09-2	Dichloromethane	0.0024	U	
78-87-5	1,2-Dichloropropane	0.0024	U	
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	u
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	
127-18-4	Tetrachloroethene	0.0024	U	u J (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	u J (5B)
79-00-5	1,1,2-Trichloroethane	0.0024	U	u
79-01-6	Trichloroethene	0.0024	U	u J (5B)
75-69-4	Trichlorofluoromethane	0.0024	U	↓ ↓ ↓
75-01-4	Vinyl Chloride	0.0024	U	(5A)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1302

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.52

% Moisture: 0 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	U J (5B)
75-25-2	Bromoform	0.0020	U	U
74-83-9	Bromomethane	0.0020	U	U J (5B)
56-23-5	Carbon Tetrachloride	0.0020	U	U
108-90-7	Chlorobenzene	0.0020	U	U J (5B)
75-00-3	Chloroethane	0.0020	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0020	U	↓
67-66-3	Chloroform	0.0020	U	U
74-87-3	Chloromethane	0.0020	U	U J (5A, 5
124-48-1	Dibromochloromethane	0.0020	U	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	U J (5B)
541-73-1	1,3-Dichlorobenzene	0.0020	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0020	U	↓
75-34-3	1,1-Dichloroethane	0.0020	U	U
107-06-2	1,2-Dichloroethane	0.0020	U	U J (5B)
75-35-4	1,1-Dichloroethene	0.0020	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0020	U	↓
156-60-5	trans-1,2-Dichloroethene	0.0020	U	↓
75-09-2	Dichloromethane	0.0020	U	↓
78-87-5	1,2-Dichloropropane	0.0020	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	↓
127-18-4	Tetrachloroethene	0.0020	U	U J (5B)
71-55-6	1,1,1-Trichloroethane	0.0020	U	U J (5B)
79-00-5	1,1,2-Trichloroethane	0.0020	U	U
79-01-6	Trichloroethene	0.0020	U	U J (5B)
75-69-4	Trichlorofluoromethane	0.0038		J (13)
75-01-4	Vinyl Chloride	0.0020	U	U J ↓ (5A)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1402

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-008

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.53

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	UJ (5B)
75-25-2	Bromoform	0.0024	U	U
74-83-9	Bromomethane	0.0024	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0024	U	U
108-90-7	Chlorobenzene	0.0024	U	UJ (5B)
75-00-3	Chloroethane	0.0024	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0024	U	
67-66-3	Chloroform	0.0024	U	U
74-87-3	Chloromethane	0.0024	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0024	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0024	U	
75-34-3	1,1-Dichloroethane	0.0024	U	U
107-06-2	1,2-Dichloroethane	0.0024	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0024	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0024	U	
156-60-5	trans-1,2-Dichloroethene	0.0024	U	
75-09-2	Dichloromethane	0.0024	U	
78-87-5	1,2-Dichloropropane	0.0024	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	↓
127-18-4	Tetrachloroethene	0.0024	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0024	U	U
79-01-6	Trichloroethene	0.0024	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0043		J
75-01-4	Vinyl Chloride	0.0024	U	UJ ↓ (5A)

CA
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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1502

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-010

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.60

% Moisture: 7 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	UJ (5B)
75-25-2	Bromoform	0.0022	U	U
74-83-9	Bromomethane	0.0022	U	↓
56-23-5	Carbon Tetrachloride	0.0022	U	↓
108-90-7	Chlorobenzene	0.0022	U	UJ (5B)
75-00-3	Chloroethane	0.0022	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0022	U	UJ (5B)
67-66-3	Chloroform	0.0022	U	U
74-87-3	Chloromethane	0.0022	U	UJ (5A, 5
124-48-1	Dibromochloromethane	0.0022	U	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0022	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0022	U	↓
75-34-3	1,1-Dichloroethane	0.0022	U	UJ (5B)
107-06-2	1,2-Dichloroethane	0.0022	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0022	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0022	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0022	U	UJ (5B)
75-09-2	Dichloromethane	0.0022	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0022	U	UJ (5B)
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	UJ (5B)
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	UJ (5B)
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	U
127-18-4	Tetrachloroethene	0.0022	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0022	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0022	U	UJ (5B)
79-01-6	Trichloroethene	0.0022	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0052		J (5B)
75-01-4	Vinyl Chloride	0.0022	U	UJ (5A)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082TB0201

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-011

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091801.07

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	UJ (5B)
75-25-2	Bromoform	1.0	U	U
74-83-9	Bromomethane	1.0	U	UJ (10, 8)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	U
75-00-3	Chloroethane	1.0	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5A, 5B)
67-66-3	Chloroform	1.0	U	U
74-87-3	Chloromethane	1.0	U	UJ (5B)
124-48-1	Dibromochloromethane	1.0	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	1.0	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	1.0	U	↓
106-46-7	1,4-Dichlorobenzene	1.0	U	↓
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	U
75-35-4	1,1-Dichloroethene	1.0	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	1.0	U	U
156-60-5	trans-1,2-Dichloroethene	1.0	U	↓
75-09-2	Dichloromethane	1.0	U	↓
78-87-5	1,2-Dichloropropane	1.0	U	↓
10061-01-5	cis-1,3-Dichloropropene	1.0	U	↓
10061-02-6	trans-1,3-Dichloropropene	1.0	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	UJ (5B)
127-18-4	Tetrachloroethene	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	↓
79-00-5	1,1,2-Trichloroethane	1.0	U	↓
79-01-6	Trichloroethene	1.0	U	↓
75-69-4	Trichlorofluoromethane	1.0	U	UJ (5B)
75-01-4	Vinyl Chloride	1.0	U	UJ (5B)

CA 11-17-96

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0201

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-013

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091801.08

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	UJ (5B)
75-25-2	Bromoform	1.0	U	U
74-83-9	Bromomethane	1.0	U	UJ (8,10)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	U
75-00-3	Chloroethane	1.0	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5A,5B)
67-66-3	Chloroform	1.0	U	U
74-87-3	Chloromethane	1.0	U	UJ (5B)
124-48-1	Dibromochloromethane	1.0	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	1.0	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	1.0	U	↓
106-46-7	1,4-Dichlorobenzene	1.0	U	↓
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	U
75-35-4	1,1-Dichloroethene	1.0	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	1.0	U	U
156-60-5	trans-1,2-Dichloroethene	1.0	U	↓
75-09-2	Dichloromethane	1.0	U	↓
78-87-5	1,2-Dichloropropane	1.0	U	↓
10061-01-5	cis-1,3-Dichloropropene	1.0	U	↓
10061-02-6	trans-1,3-Dichloropropene	1.0	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	UJ (5B)
127-18-4	Tetrachloroethene	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	↓
79-00-5	1,1,2-Trichloroethane	1.0	U	↓
79-01-6	Trichloroethene	1.0	U	↓
75-69-4	Trichlorofluoromethane	1.0	U	UJ (5B)
75-01-4	Vinyl Chloride	1.0	U	UJ (5B)

1-17-96

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1602

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-022

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.58

% Moisture: 12 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	u J(5B)
75-25-2	Bromoform	0.0022	U	u
74-83-9	Bromomethane	0.0022	U	↓
56-23-5	Carbon Tetrachloride	0.0022	U	↓
108-90-7	Chlorobenzene	0.0022	U	u J(5B)
75-00-3	Chloroethane	0.0022	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0022	U	↓
67-66-3	Chloroform	0.0022	U	u
74-87-3	Chloromethane	0.0022	U	u J(5A,5B)
124-48-1	Dibromochloromethane	0.0022	U	u
95-50-1	1,2-Dichlorobenzene	0.0022	U	u J(5B)
541-73-1	1,3-Dichlorobenzene	0.0022	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0022	U	↓
75-34-3	1,1-Dichloroethane	0.0022	U	u J(5B)
107-06-2	1,2-Dichloroethane	0.0022	U	↓ ↓ ↓
75-35-4	1,1-Dichloroethene	0.0022	U	↓
156-59-2	cis-1,2-Dichloroethene	0.0022	U	↓
156-60-5	trans-1,2-Dichloroethene	0.0022	U	↓
75-09-2	Dichloromethane	0.0022	U	↓
78-87-5	1,2-Dichloropropane	0.0022	U	↓
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	↓
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	↓ ↓ ↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	u
127-18-4	Tetrachloroethene	0.0022	U	u J(5B)
71-55-6	1,1,1-Trichloroethane	0.0022	U	↓ ↓ ↓
79-00-5	1,1,2-Trichloroethane	0.0022	U	↓
79-01-6	Trichloroethene	0.0022	U	↓
75-69-4	Trichlorofluoromethane	0.0076		J ↓
75-01-4	Vinyl Chloride	0.0022	U	u J(5A)

VA
1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1702

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-024

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.59

% Moisture: 3 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	u J (5B)
75-25-2	Bromoform	0.0020	U	u
74-83-9	Bromomethane	0.0020	U	↓
56-23-5	Carbon Tetrachloride	0.0020	U	↓
108-90-7	Chlorobenzene	0.0020	U	u J (5B)
75-00-3	Chloroethane	0.0020	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0020	U	↓
67-66-3	Chloroform	0.0020	U	u
74-87-3	Chloromethane	0.0020	U	u J (5A,
124-48-1	Dibromochloromethane	0.0020	U	u
95-50-1	1,2-Dichlorobenzene	0.0020	U	u J (5B)
541-73-1	1,3-Dichlorobenzene	0.0020	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0020	U	↓
75-34-3	1,1-Dichloroethane	0.0020	U	↓
107-06-2	1,2-Dichloroethane	0.0020	U	↓
75-35-4	1,1-Dichloroethene	0.0020	U	↓
156-59-2	cis-1,2-Dichloroethene	0.0020	U	↓
156-60-5	trans-1,2-Dichloroethene	0.0020	U	↓
75-09-2	Dichloromethane	0.0020	U	↓
78-87-5	1,2-Dichloropropane	0.0020	U	↓
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	↓
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	↓ ↓ ↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	u
127-18-4	Tetrachloroethene	0.0020	U	u J (5B)
71-55-6	1,1,1-Trichloroethane	0.0020	U	↓ ↓ ↓
79-00-5	1,1,2-Trichloroethane	0.0020	U	↓
79-01-6	Trichloroethene	0.0020	U	↓
75-69-4	Trichlorofluoromethane	0.0064		J ↓
75-01-4	Vinyl Chloride	0.0020	U	u J (5A)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1802

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-026

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.61

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	U J (5B)
75-25-2	Bromoform	0.0024	U	U
74-83-9	Bromomethane	0.0024	U	
56-23-5	Carbon Tetrachloride	0.0024	U	
108-90-7	Chlorobenzene	0.0024	U	U J (5B)
75-00-3	Chloroethane	0.0024	U	
110-75-8	2-Chloroethylvinylether	0.0024	U	
67-66-3	Chloroform	0.0024	U	U
74-87-3	Chloromethane	0.0024	U	U J (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	U J (5B)
541-73-1	1,3-Dichlorobenzene	0.0024	U	
106-46-7	1,4-Dichlorobenzene	0.0024	U	
75-34-3	1,1-Dichloroethane	0.0024	U	
107-06-2	1,2-Dichloroethane	0.0024	U	
75-35-4	1,1-Dichloroethene	0.0024	U	
156-59-2	cis-1,2-Dichloroethene	0.0024	U	
156-60-5	trans-1,2-Dichloroethene	0.0024	U	
75-09-2	Dichloromethane	0.0024	U	
78-87-5	1,2-Dichloropropane	0.0024	U	
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	U
127-18-4	Tetrachloroethene	0.0024	U	U J (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	
79-00-5	1,1,2-Trichloroethane	0.0024	U	
79-01-6	Trichloroethene	0.0024	U	
75-69-4	Trichlorofluoromethane	0.0024	U	
75-01-4	Vinyl Chloride	0.0024	U	(5A)

SA 1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-028

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091801.20

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/19/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	UJ (5B)
75-25-2	Bromoform	1.0	U	UJ (5B)
74-83-9	Bromomethane	1.0	U	UJ (10)
56-23-5	Carbon Tetrachloride	1.0	U	UJ (5B)
108-90-7	Chlorobenzene	1.0	U	U
75-00-3	Chloroethane	1.0	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5A, 5B)
67-66-3	Chloroform	1.0	U	U
74-87-3	Chloromethane	1.0	U	UJ (5B)
124-48-1	Dibromochloromethane	1.0	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	1.0	U	U
541-73-1	1,3-Dichlorobenzene	1.0	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	1.0	U	UJ (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	↓
75-35-4	1,1-Dichloroethene	1.0	U	↓
156-59-2	cis-1,2-Dichloroethene	1.0	U	↓
156-60-5	trans-1,2-Dichloroethene	1.0	U	↓
75-09-2	Dichloromethane	1.0	U	UJ (5B)
78-87-5	1,2-Dichloropropane	1.0	U	UJ (5B)
10061-01-5	cis-1,3-Dichloropropene	1.0	U	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	↓
127-18-4	Tetrachloroethene	1.0	U	↓
71-55-6	1,1,1-Trichloroethane	1.0	U	↓
79-00-5	1,1,2-Trichloroethane	1.0	U	↓
79-01-6	Trichloroethene	1.0	U	↓
75-69-4	Trichlorofluoromethane	1.0	U	UJ (5B)
75-01-4	Vinyl Chloride	1.0	U	U

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Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: September 6, 1995

LDC Report Date: January 5, 1996

Matrix: Soil/Water

Parameters: Total Petroleum Hydrocarbons as Diesel

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB1102
082SB1202
082SB1302
082SB1402
082SB1502
082RB0205
082SB1602
082SB1702
082SB1802
082GW0205
082SB1102MS
082SB1102MSD
082GW0205MS
082GW0205MSD

Introduction

This data review covers 10 soil samples and 4 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per California DOHS LUFT Method for Total Petroleum Hydrocarbons (TPH) as Diesel. Validation was performed for TPH as Diesel only. Form Is contained other extractable compounds, however, calibration and quality control data were present for TPH as diesel only.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for California DOHS LUFT Method. The modifications were based on California DOHS LUFT Method.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Total Days From Sample Extraction Until Analysis	Required Holding Time (in Days) From Sample Extraction Until Analysis	Flag	A or P
082SB1102	47	40	J	P
082SB1202	47	40	J	P
082SB1302	47	40	J	P
082SB1402	47	40	J	P
082SB1502	47	40	J	P
082RB0205	50	40	J	P
082SB1602	47	40	J	P
082SB1702	47	40	J	P
082SB1802	47	40	J	P
082GW0205	50	40	J	P
082SB1102MS	47	40	J	P
082SB1102MSD	47	40	J	P
082GW0205MS	50	40	J	P
082GW0205MSD	50	40	J	P

II. Calibration

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbons as diesel contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
PBLKKGLCS/LCSD (All soil samples in SDG GW01)	TPH as diesel	-	-	75 ($\leq$24)	J	A

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

Sample 082RB0205 was identified as a rinsate blank. No total petroleum hydrocarbons as diesel contaminants were found in this blank.

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Diesel - Data Qualification Summary - SDG GW01

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082RB0205 082SB1602 082SB1702 082SB1802 082GW0205	TPH as diesel	J	P	Technical holding times
GW01	082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	TPH as diesel	J	A	Laboratory control samples (RPD)

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Diesel - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

172148

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1102

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-002

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.25

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.1	U
00-00-00--------	Kerosene	1.1	U
00-00-00--------	Stoddard solvent	1.1	U
00-00-00--------	JP-4	1.1	U
00-00-00--------	JP-5	1.1	U
00-00-00--------	Diesel #2	1.1	U
00-00-00--------	Lubricating Oil	5.3	U
00-00-00--------	Other Extractable Hydrocarbons	1.1	U

UJ (1,10)

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1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-004

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.26

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.2	U
00-00-00--------	Kerosene	1.2	U
00-00-00--------	Stoddard solvent	1.2	U
00-00-00--------	JP-4	1.2	U
00-00-00--------	JP-5	1.2	U
00-00-00--------	Diesel #2	1.2	U
00-00-00--------	Lubricating Oil	5.9	U
00-00-00--------	Other Extractable Hydrocarbons	1.2	U

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1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1302

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-006

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.29

% Moisture: 0 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.0	U
00-00-00--------	Kerosene	1.0	U
00-00-00--------	Stoddard solvent	1.0	U
00-00-00--------	JP-4	1.0	U
00-00-00--------	JP-5	1.0	U
00-00-00--------	Diesel #2	1.0	U
00-00-00--------	Lubricating Oil	5.0	U
00-00-00--------	Other Extractable Hydrocarbons	1.0	U

u J 11,10)

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PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1402

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-008

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.30

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.3	U
00-00-00--------	Kerosene	1.3	U
00-00-00--------	Stoddard solvent	1.3	U
00-00-00--------	JP-4	1.3	U
00-00-00--------	JP-5	1.3	U
00-00-00--------	Diesel #2	1.3	U
00-00-00--------	Lubricating Oil	6.3	U
00-00-00--------	Other Extractable Hydrocarbons	2.1	

u J (1,10)

SA
1-17-96

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1502

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-010

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.31

% Moisture: 7 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.1	U
00-00-00--------	Kerosene	1.1	U
00-00-00--------	Stoddard solvent	1.1	U
00-00-00--------	JP-4	1.1	U
00-00-00--------	JP-5	1.1	U
00-00-00--------	Diesel #2	1.1	U
00-00-00--------	Lubricating Oil	5.4	U
00-00-00--------	Other Extractable Hydrocarbons	1.1	U

uJ (1,10)

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1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0205

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-017

Sample wt/vol: 1040 (g/mL) ML Lab File ID: 95102751.32

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 09/08/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 1.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00	Gasoline	0.048	U
00-00-00	Kerosene	0.048	U
00-00-00	Stoddard solvent	0.048	U
00-00-00	JP-4	0.048	U
00-00-00	JP-5	0.048	U
00-00-00	Diesel #2	0.048	U
00-00-00	Lubricating Oil	0.24	U
00-00-00	Other Extractable Hydrocarbons	0.048	U

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1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1602

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-022

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.33

% Moisture: 12 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00	Gasoline	1.1	U
00-00-00	Kerosene	1.1	U
00-00-00	Stoddard solvent	1.1	U
00-00-00	JP-4	1.1	U
00-00-00	JP-5	1.1	U
00-00-00	Diesel #2	1.1	U
00-00-00	Lubricating Oil	5.7	U
00-00-00	Other Extractable Hydrocarbons	1.1	U

u J (1,10)

SA 1-17-96

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1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1702

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-024

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.34

% Moisture: 3 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.0	U
00-00-00--------	Kerosene	1.0	U
00-00-00--------	Stoddard solvent	1.0	U
00-00-00--------	JP-4	1.0	U
00-00-00--------	JP-5	1.0	U
00-00-00--------	Diesel #2	1.0	U
00-00-00--------	Lubricating Oil	5.2	U
00-00-00--------	Other Extractable Hydrocarbons	1.9	

uJ (1,10)

SA 1-17

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1802

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-026

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.36

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.2	U
00-00-00--------	Kerosene	1.2	U
00-00-00--------	Stoddard solvent	1.2	U
00-00-00--------	JP-4	1.2	U
00-00-00--------	JP-5	1.2	U
00-00-00--------	Diesel #2	1.2	U
00-00-00--------	Lubricating Oil	5.8	U
00-00-00--------	Other Extractable Hydrocarbons	1.2	U

UJ (1,10)

1-17-96

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0205

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-031

Sample wt/vol: 1020 (g/mL) ML Lab File ID: 95102751.37

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 09/08/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 3.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00--------	Gasoline	0.050	U
00-00-00--------	Kerosene	0.050	U
00-00-00--------	Stoddard solvent	0.050	U
00-00-00--------	JP-4	0.050	U
00-00-00--------	JP-5	0.050	U
00-00-00--------	Diesel #2	0.050	U
00-00-00--------	Lubricating Oil	0.25	U
00-00-00--------	Other Extractable Hydrocarbons	0.072	

uJ (1)

1-17-96

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: September 6, 1995

LDC Report Date: January 5, 1996

Matrix: Soil/Water

Parameters: Total Petroleum Hydrocarbons as Diesel

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB1102
082SB1202
082SB1302
082SB1402
082SB1502
082RB0205
082SB1602
082SB1702
082SB1802
082GW0205
082SB1102MS
082SB1102MSD
082GW0205MS
082GW0205MSD

Introduction

This data review covers 10 soil samples and 4 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per California DOHS LUFT Method for Total Petroleum Hydrocarbons (TPH) as Diesel. Validation was performed for TPH as Diesel only. Form Is contained other extractable compounds, however, calibration and quality control data were present for TPH as diesel only.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for California DOHS LUFT Method. The modifications were based on California DOHS LUFT Method.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met with the following exceptions:

Sample	Total Days From Sample Extraction Until Analysis	Required Holding Time (in Days) From Sample Extraction Until Analysis	Flag	A or P
082SB1102	47	40	J	P
082SB1202	47	40	J	P
082SB1302	47	40	J	P
082SB1402	47	40	J	P
082SB1502	47	40	J	P
082RB0205	50	40	J	P
082SB1602	47	40	J	P
082SB1702	47	40	J	P
082SB1802	47	40	J	P
082GW0205	50	40	J	P
082SB1102MS	47	40	J	P
082SB1102MSD	47	40	J	P
082GW0205MS	50	40	J	P
082GW0205MSD	50	40	J	P

II. Calibration

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbons as diesel contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
PBLKKGLCS/LCSD (All soil samples in SDG GW01)	TPH as diesel	-	-	75 ($\leq$24)	J	A

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

Sample 082RB0205 was identified as a rinsate blank. No total petroleum hydrocarbons as diesel contaminants were found in this blank.

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Diesel - Data Qualification Summary - SDG GW01

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082RB0205 082SB1602 082SB1702 082SB1802 082GW0205	TPH as diesel	J	P	Technical holding times
GW01	082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	TPH as diesel	J	A	Laboratory control samples (RPD)

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Diesel - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

172148

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1102

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-002

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.25

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.1	U
00-00-00--------	Kerosene	1.1	U
00-00-00--------	Stoddard solvent	1.1	U
00-00-00--------	JP-4	1.1	U
00-00-00--------	JP-5	1.1	U
00-00-00--------	Diesel #2	1.1	U
00-00-00--------	Lubricating Oil	5.3	U
00-00-00--------	Other Extractable Hydrocarbons	1.1	U

UJ (1,10)

1-17-96

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-004

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.26

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00	Gasoline	1.2	U
00-00-00	Kerosene	1.2	U
00-00-00	Stoddard solvent	1.2	U
00-00-00	JP-4	1.2	U
00-00-00	JP-5	1.2	U
00-00-00	Diesel #2	1.2	U
00-00-00	Lubricating Oil	5.9	U
00-00-00	Other Extractable Hydrocarbons	1.2	U

ug/L (10)

1-17

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1302

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-006

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.29

% Moisture: 0 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.0	U
00-00-00--------	Kerosene	1.0	U
00-00-00--------	Stoddard solvent	1.0	U
00-00-00--------	JP-4	1.0	U
00-00-00--------	JP-5	1.0	U
00-00-00--------	Diesel #2	1.0	U
00-00-00--------	Lubricating Oil	5.0	U
00-00-00--------	Other Extractable Hydrocarbons	1.0	U

(u J 11,10)

1-17-96

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1402

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-008

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.30

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00	Gasoline	1.3	U
00-00-00	Kerosene	1.3	U
00-00-00	Stoddard solvent	1.3	U
00-00-00	JP-4	1.3	U
00-00-00	JP-5	1.3	U
00-00-00	Diesel #2	1.3	U
00-00-00	Lubricating Oil	6.3	U
00-00-00	Other Extractable Hydrocarbons	2.1	

u J (1,10)

1-17-9

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1502

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-010

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.31

% Moisture: 7 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.1	U
00-00-00--------	Kerosene	1.1	U
00-00-00--------	Stoddard solvent	1.1	U
00-00-00--------	JP-4	1.1	U
00-00-00--------	JP-5	1.1	U
00-00-00--------	Diesel #2	1.1	U
00-00-00--------	Lubricating Oil	5.4	U
00-00-00--------	Other Extractable Hydrocarbons	1.1	U

UJ (1,10)

1-17-96

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0205

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-017

Sample wt/vol: 1040 (g/mL) ML Lab File ID: 95102751.32

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 09/08/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 1.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00	Gasoline	0.048	U
00-00-00	Kerosene	0.048	U
00-00-00	Stoddard solvent	0.048	U
00-00-00	JP-4	0.048	U
00-00-00	JP-5	0.048	U
00-00-00	Diesel #2	0.048	U
00-00-00	Lubricating Oil	0.24	U
00-00-00	Other Extractable Hydrocarbons	0.048	U

uJ (1)

VA
1-17-96

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1602

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-022

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.33

% Moisture: 12 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.1	U
00-00-00--------	Kerosene	1.1	U
00-00-00--------	Stoddard solvent	1.1	U
00-00-00--------	JP-4	1.1	U
00-00-00--------	JP-5	1.1	U
00-00-00--------	Diesel #2	1.1	U
00-00-00--------	Lubricating Oil	5.7	U
00-00-00--------	Other Extractable Hydrocarbons	1.1	U

u J (1,10)

SA
1-17-96

273

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1702

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESEA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-024

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.34

% Moisture: 3 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00	Gasoline	1.0	U
00-00-00	Kerosene	1.0	U
00-00-00	Stoddard solvent	1.0	U
00-00-00	JP-4	1.0	U
00-00-00	JP-5	1.0	U
00-00-00	Diesel #2	1.0	U
00-00-00	Lubricating Oil	5.2	U
00-00-00	Other Extractable Hydrocarbons	1.9	

uJ (1,10)

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1802

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-026

Sample wt/vol: 60.0 (g/mL) G Lab File ID: 95102751.36

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	Gasoline	1.2	U
00-00-00--------	Kerosene	1.2	U
00-00-00--------	Stoddard solvent	1.2	U
00-00-00--------	JP-4	1.2	U
00-00-00--------	JP-5	1.2	U
00-00-00--------	Diesel #2	1.2	U
00-00-00--------	Lubricating Oil	5.8	U
00-00-00--------	Other Extractable Hydrocarbons	1.2	U

UJ (1,10)

1-17-96

1D
PESTICIDE ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0205

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-031

Sample wt/vol: 1020 (g/mL) ML Lab File ID: 95102751.37

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) CONT Date Extracted: 09/08/95

Concentrated Extract Volume: 2000(uL) Date Analyzed: 10/28/95

Injection Volume: 1.0(uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 3.0 Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00--------	Gasoline	0.050	U
00-00-00--------	Kerosene	0.050	U
00-00-00--------	Stoddard solvent	0.050	U
00-00-00--------	JP-4	0.050	U
00-00-00--------	JP-5	0.050	U
00-00-00--------	Diesel #2	0.050	U
00-00-00--------	Lubricating Oil	0.25	U
00-00-00--------	Other Extractable Hydrocarbons	0.072	

uJ (1)

1-17-96

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: August 31 through September 6, 1995

LDC Report Date: January 11, 1996

Matrix: Soil/Water

Parameters: Total Recoverable Petroleum Hydrocarbons

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB0101
082SB0301
082SB0201
082SB0501
082SB0701
082SB0401
082SB0601
082SB0801
082SB0901
082SB1001
082GW0104
082RB0104
082SB1101
082SB1201
082SB1301
082SB1401
082SB1501
082RB0207
082SB1601
082SB1701
082SB1801
082GW0207
082SB0101S
082SB0101T
082GW0307S
082GW0407T
082SB1101S
082SB1101T

Introduction

This data review covers 22 soil samples and 6 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 418.1 for Total Recoverable Petroleum Hydrocarbons (TRPH).

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for EPA Method 418.1. The modifications were based on EPA Method 418.1.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blanks results are summarized in Section III.

Field duplicates are summarized in Section VII.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total recoverable petroleum hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Analysis Date	Analyte	Concentration	Associated Samples
ICB	9/27/95	Total recoverable petroleum hydrocarbons	-4678.0 ug/L	All samples in SDG GW01
CCB1	9/27/95	Total recoverable petroleum hydrocarbons	-3792.0 ug/L	All samples in SDG GW01
PB (prep blank)	9/27/95	Total recoverable petroleum hydrocarbons	772.300 ug/L	All water samples in SDG GW01
ICB	9/27/95	Total recoverable petroleum hydrocarbons	-4753.0 ug/L	All samples in SDG GW01
CCB1	9/27/95	Total recoverable petroleum hydrocarbons	-4753.0 ug/L	All samples in SDG GW01
CCB2	9/27/95	Total recoverable petroleum hydrocarbons	-3864.0 ug/L	All samples in SDG GW01
PB (prep blank)	9/27/95	Total recoverable petroleum hydrocarbons	6.801 mg/Kg	All soil samples in SDG GW01

The absolute values of the initial and continuing blanks were less than the instrument detection limit for sample concentration <5X blank contaminants with the following exceptions:

Blank ID	Analyte	Concentration	IDL	Associated Samples	Flag	A or P
ICV/CCB	Total recoverable petroleum hydrocarbons	-4753 ug/L	3100 ug/L	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB1001 082GW0104 082RB0104 082SB1101 082SB1201 082SB1401 082SB1501 082RB0207 082SB1601 082SB1701 082SB1801 082GW0207	J	A

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
082SB0201	Total recoverable petroleum hydrocarbons	14.9 mg/Kg	14.9U mg/Kg
082SB0301	Total recoverable petroleum hydrocarbons	15.4 mg/Kg	15.4U mg/Kg
082SB0401	Total recoverable petroleum hydrocarbons	9.7 mg/Kg	9.7U mg/Kg
082SB0501	Total recoverable petroleum hydrocarbons	6.2 mg/Kg	6.2U mg/Kg
082SB0601	Total recoverable petroleum hydrocarbons	3.9 mg/Kg	3.9U mg/Kg
082SB0701	Total recoverable petroleum hydrocarbons	5.3 mg/Kg	5.3U mg/Kg
082SB0801	Total recoverable petroleum hydrocarbons	10.8 mg/Kg	10.8U mg/Kg
082SB1001	Total recoverable petroleum hydrocarbons	20.1 mg/Kg	20.1U mg/Kg
082SB1201	Total recoverable petroleum hydrocarbons	8.5 mg/Kg	8.5U mg/Kg
082SB1801	Total recoverable petroleum hydrocarbons	5.3 mg/Kg	5.3U mg/Kg

Sample	Analyte	Reported Concentration	Modified Final Concentration
082GW0104	Total recoverable petroleum hydrocarbons	2020 ug/L	2020U ug/L
082GW0207	Total recoverable petroleum hydrocarbons	2480 ug/L	2480U ug/L
082RB0104	Total recoverable petroleum hydrocarbons	1510 ug/L	1510U ug/L
082RB0207	Total recoverable petroleum hydrocarbons	2730 ug/L	2730U ug/L

IV. Accuracy and Precision Data

a. Surrogate Recovery

Not applicable to this method.

b. Matrix Spike/(Matrix Spike) Duplicates

Matrix spike and duplicate samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries were within QC limits.

V. Sample Result Verification

Raw data were not reviewed for this SDG.

VI. Overall Assessment of Data

Data flags have been summarized at the end of this report.

VII. Field Duplicates

No field duplicates were identified in this SDG.

VIII. Field Blanks

Samples 082RB0104 and 082RB0207 were identified as rinsates. No total recoverable petroleum hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Analyte	Concentration (ug/L)
082RB0104	Total recoverable petroleum hydrocarbons	1510
082RB0207	Total recoverable petroleum hydrocarbons	2730

NTC San Diego, CTO 082
Total Recoverable Petroleum Hydrocarbons - Data Qualification Summary - SDG GW01

SDG	Sample	Analyte	Flag	A or P	Reason
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB1001 082GW0104 082RB0104 082SB1101 082SB1201 082SB1401 082SB1501 082RB0207 082SB1601 082SB1701 082SB1801 082GW0207	Total recoverable petroleum hydrocarbons	J	A	Method blanks

NTC San Diego, CTO 082
Total Recoverable Petroleum Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG GW01

SDG	Sample	Analyte	Modified Final Concentration	A or P
GW01	082SB0201	Total recoverable petroleum hydrocarbons	14.9U mg/Kg	A
GW01	082SB0301	Total recoverable petroleum hydrocarbons	15.4U mg/Kg	A
GW01	082SB0401	Total recoverable petroleum hydrocarbons	9.7U mg/Kg	A
GW01	082SB0501	Total recoverable petroleum hydrocarbons	6.2U mg/Kg	A
GW01	082SB0601	Total recoverable petroleum hydrocarbons	3.9U mg/Kg	A
GW01	082SB0701	Total recoverable petroleum hydrocarbons	5.3U mg/Kg	A
GW01	082SB0801	Total recoverable petroleum hydrocarbons	10.8U mg/Kg	A
GW01	082SB1001	Total recoverable petroleum hydrocarbons	20.1U mg/Kg	A

SDG	Sample	Analyte	Modified Final Concentration	A or P
GW01	082SB1201	Total recoverable petroleum hydrocarbons	8.5U mg/Kg	A
GW01	082SB1801	Total recoverable petroleum hydrocarbons	5.3U mg/Kg	A
GW01	082GW0104	Total recoverable petroleum hydrocarbons	2020U ug/L	A
GW01	082GW0207	Total recoverable petroleum hydrocarbons	2480U ug/L	A
GW01	082RB0104	Total recoverable petroleum hydrocarbons	1510U ug/L	A
GW01	082RB0207	Total recoverable petroleum hydrocarbons	2730U ug/L	A

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0104

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S091-024

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M	
TR	TRPH	2020			O	uJ (7)

1-16-96

Color Before: COLOLRESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0104.

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0207

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S106-033

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	2480			O

UJ (7)

VZ 1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0207.

FORM I - IN ILM02.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0104

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S091-030

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	1510			O

UJ 7

SA 1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0104.

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0207

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S106-019

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	2730			O

u J 7

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

VA 1-17-96

Comments:
SAMPLE_ID#_082RB0207.

FORM I - IN ILM02.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-001

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.2	U		O

u J (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0101.

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0201

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-005

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _69.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	14.9			O

u J17

1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0201.

FORM I - IN ILM02.?

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0301

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-003

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	15.4			O

u J 171

JA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0301.

FORM I - IN ILM02.1

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-011

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _70.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	9.7	B		O

U J 7)

1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0401.

FORM I - IN ILM02.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-007

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	6.2	B		O

u J 7)

SA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0501.

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0601

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-013

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _82.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.9	B		O

UJ (7)

VA 1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0601.

FORM I - IN ILM02.1

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-009

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	5.3	B		O

UJ 17

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB0701.

FORM I - IN ILM02.1

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0801

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-015

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _79.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR_____	TRPH_____	_____10.8	B	_____	O_

u J (7)

SA 1-12-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0801._____

FORM I - IN ILM02.1

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0901

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-017

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	362			O

GA
1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0901.

FORM I - IN ILM02.1

1000

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1001

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-019

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _82.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	20.1			O

u J (7)

CA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1001._____

FORM I - IN ILM02.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-001

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.3	U		O

uJ (7)

VA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1101._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1201

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-003

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	8.5	B		O

UJ (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1201.

FORM I - IN ILM02.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1301

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-005

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	61.4			O

SA
1-27-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1301.

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-007

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.9	U		O

U J (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1401.

FORM I - IN ILM02.

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-009

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.3	U		O

u J (7)

CA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1501._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1601

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-021

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.4	U		O

u J (7)

CL 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1601.

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-023

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.3	U		O

u J (?)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1701.

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1801

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-025

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	5.3	B		O

UJ (7)

SA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1801.

FORM I - IN ILM02.

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: August 31 through September 6, 1995

LDC Report Date: January 11, 1996

Matrix: Soil/Water

Parameters: Total Recoverable Petroleum Hydrocarbons

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB0101
082SB0301
082SB0201
082SB0501
082SB0701
082SB0401
082SB0601
082SB0801
082SB0901
082SB1001
082GW0104
082RB0104
082SB1101
082SB1201
082SB1301
082SB1401
082SB1501
082RB0207
082SB1601
082SB1701
082SB1801
082GW0207
082SB0101S
082SB0101T
082GW0307S
082GW0407T
082SB1101S
082SB1101T

Introduction

This data review covers 22 soil samples and 6 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 418.1 for Total Recoverable Petroleum Hydrocarbons (TRPH).

The review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) as there are no current guidelines for EPA Method 418.1. The modifications were based on EPA Method 418.1.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blanks results are summarized in Section III.

Field duplicates are summarized in Section VII.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total recoverable petroleum hydrocarbon contaminants were found in the method blanks with the following exceptions:

Method Blank ID	Analysis Date	Analyte	Concentration	Associated Samples
ICB	9/27/95	Total recoverable petroleum hydrocarbons	-4678.0 ug/L	All samples in SDG GW01
CCB1	9/27/95	Total recoverable petroleum hydrocarbons	-3792.0 ug/L	All samples in SDG GW01
PB (prep blank)	9/27/95	Total recoverable petroleum hydrocarbons	772.300 ug/L	All water samples in SDG GW01
ICB	9/27/95	Total recoverable petroleum hydrocarbons	-4753.0 ug/L	All samples in SDG GW01
CCB1	9/27/95	Total recoverable petroleum hydrocarbons	-4753.0 ug/L	All samples in SDG GW01
CCB2	9/27/95	Total recoverable petroleum hydrocarbons	-3864.0 ug/L	All samples in SDG GW01
PB (prep blank)	9/27/95	Total recoverable petroleum hydrocarbons	6.801 mg/Kg	All soil samples in SDG GW01

The absolute values of the initial and continuing blanks were less than the instrument detection limit for sample concentration <5X blank contaminants with the following exceptions:

Blank ID	Analyte	Concentration	IDL	Associated Samples	Flag	A or P
ICV/CCB	Total recoverable petroleum hydrocarbons	-4753 ug/L	3100 ug/L	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB1001 082GW0104 082RB0104 082SB1101 082SB1201 082SB1401 082SB1501 082RB0207 082SB1601 082SB1701 082SB1801 082GW0207	J	A

Sample concentrations were compared to concentrations detected in the method blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
082SB0201	Total recoverable petroleum hydrocarbons	14.9 mg/Kg	14.9U mg/Kg
082SB0301	Total recoverable petroleum hydrocarbons	15.4 mg/Kg	15.4U mg/Kg
082SB0401	Total recoverable petroleum hydrocarbons	9.7 mg/Kg	9.7U mg/Kg
082SB0501	Total recoverable petroleum hydrocarbons	6.2 mg/Kg	6.2U mg/Kg
082SB0601	Total recoverable petroleum hydrocarbons	3.9 mg/Kg	3.9U mg/Kg
082SB0701	Total recoverable petroleum hydrocarbons	5.3 mg/Kg	5.3U mg/Kg
082SB0801	Total recoverable petroleum hydrocarbons	10.8 mg/Kg	10.8U mg/Kg
082SB1001	Total recoverable petroleum hydrocarbons	20.1 mg/Kg	20.1U mg/Kg
082SB1201	Total recoverable petroleum hydrocarbons	8.5 mg/Kg	8.5U mg/Kg
082SB1801	Total recoverable petroleum hydrocarbons	5.3 mg/Kg	5.3U mg/Kg

Sample	Analyte	Reported Concentration	Modified Final Concentration
082GW0104	Total recoverable petroleum hydrocarbons	2020 ug/L	2020U ug/L
082GW0207	Total recoverable petroleum hydrocarbons	2480 ug/L	2480U ug/L
082RB0104	Total recoverable petroleum hydrocarbons	1510 ug/L	1510U ug/L
082RB0207	Total recoverable petroleum hydrocarbons	2730 ug/L	2730U ug/L

IV. Accuracy and Precision Data

a. Surrogate Recovery

Not applicable to this method.

b. Matrix Spike/(Matrix Spike) Duplicates

Matrix spike and duplicate samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries were within QC limits.

V. Sample Result Verification

Raw data were not reviewed for this SDG.

VI. Overall Assessment of Data

Data flags have been summarized at the end of this report.

VII. Field Duplicates

No field duplicates were identified in this SDG.

VIII. Field Blanks

Samples 082RB0104 and 082RB0207 were identified as rinsates. No total recoverable petroleum hydrocarbon contaminants were found in these blanks with the following exceptions:

Rinsate ID	Analyte	Concentration (ug/L)
082RB0104	Total recoverable petroleum hydrocarbons	1510
082RB0207	Total recoverable petroleum hydrocarbons	2730

NTC San Diego, CTO 082
Total Recoverable Petroleum Hydrocarbons - Data Qualification Summary - SDG GW01

SDG	Sample	Analyte	Flag	A or P	Reason
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB1001 082GW0104 082RB0104 082SB1101 082SB1201 082SB1401 082SB1501 082RB0207 082SB1601 082SB1701 082SB1801 082GW0207	Total recoverable petroleum hydrocarbons	J	A	Method blanks

NTC San Diego, CTO 082
Total Recoverable Petroleum Hydrocarbons - Laboratory Blank Data Qualification Summary - SDG GW01

SDG	Sample	Analyte	Modified Final Concentration	A or P
GW01	082SB0201	Total recoverable petroleum hydrocarbons	14.9U mg/Kg	A
GW01	082SB0301	Total recoverable petroleum hydrocarbons	15.4U mg/Kg	A
GW01	082SB0401	Total recoverable petroleum hydrocarbons	9.7U mg/Kg	A
GW01	082SB0501	Total recoverable petroleum hydrocarbons	6.2U mg/Kg	A
GW01	082SB0601	Total recoverable petroleum hydrocarbons	3.9U mg/Kg	A
GW01	082SB0701	Total recoverable petroleum hydrocarbons	5.3U mg/Kg	A
GW01	082SB0801	Total recoverable petroleum hydrocarbons	10.8U mg/Kg	A
GW01	082SB1001	Total recoverable petroleum hydrocarbons	20.1U mg/Kg	A

SDG	Sample	Analyte	Modified Final Concentration	A or P
GW01	082SB1201	Total recoverable petroleum hydrocarbons	8.5U mg/Kg	A
GW01	082SB1801	Total recoverable petroleum hydrocarbons	5.3U mg/Kg	A
GW01	082GW0104	Total recoverable petroleum hydrocarbons	2020U ug/L	A
GW01	082GW0207	Total recoverable petroleum hydrocarbons	2480U ug/L	A
GW01	082RB0104	Total recoverable petroleum hydrocarbons	1510U ug/L	A
GW01	082RB0207	Total recoverable petroleum hydrocarbons	2730U ug/L	A

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0104

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S091-024

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR_____	TRPH_____	_____2020	_	_____	O_

u J (7)

R
1-16-96

Color Before: COLOLRESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0104._____

FORM I - IN ILM02.1

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0207

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S106-033

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	2480			O

UJ (7)

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0207.

FORM I - IN ILM02.

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0104

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S091-030

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR_____	TRPH_____	_____1510			O_

UJ 7

SA 1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0104._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0207

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S106-019

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	2730			O

U J 7

CA 1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0207.

FORM I - IN ILM02

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-001

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.2	U		O

u J (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0101.

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0201

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-005

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _69.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	14.9			O

U J(7)

VA
1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0201.

FORM I - IN ILM02.

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0301

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-003

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	15.4			O

u J (7)

7A
1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0301.

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-011

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _70.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	9.7	B		O

U J 7

1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0401.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-007

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	6.2	B		O

u J 7)

SA
1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0501.

FORM I - IN ILM02.1

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0601

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-013

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _82.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.9	B		O

U J 71

SA 1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0601.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-009

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	5.3	B		O

UJ 7'

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0701.

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0801

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-015

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _79.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	10.8	B		O

u J (7)

SA
1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0801.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0901

Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-017

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	362			O

SA
1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0901.

FORM I - IN ILM02.1

1000

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1001

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-019

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _82.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	20.1			O

u J (7)

CA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB1001.

FORM I - IN ILM02.

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-001

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.3	U		O

uJ (7)

VA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1101.

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1201

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-003

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	8.5	B		O

UJ (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1201.

FORM I - IN ILM02

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1301

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-005

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	61.4			O

SA
1-27-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1301.

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-007

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.9	U		O

U J (7)

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1401.

FORM I - IN ILM02.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-009

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.3	U		O

UJ (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1501._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1601

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-021

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.4	U		O

u J (7)

CR 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1601.

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-023

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	3.3	U		O

uJ (7)

VL 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1701.

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1801

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-025

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	5.3	B		O

UJ (?)

SA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1801.

FORM I - IN ILM02.1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: September 6, 1995

LDC Report Date: January 5, 1996

Matrix: Soil/Water

Parameters: Total Petroleum Hydrocarbons as Gasoline

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB1102
082SB1202
082SB1302
082SB1402
082SB1502
082RB0203
082SB1602
082SB1702
082SB1802
082GW0203
082SB1102MS
082SB1102MSD

Introduction

This data review covers 10 soil samples and 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per California DOHS LUFT Method for Total Petroleum Hydrocarbons (TPH) as Gasoline.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for California DOHS LUFT Method. The modifications were based on California DOHS LUFT Method.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. Calibration

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbons as gasoline contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

Sample 082RB0203 was identified as a rinsate blank. No total petroleum hydrocarbons as gasoline contaminants were found in this blank.

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Gasoline - Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Gasoline - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

1/21 MT

ID
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1102

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.06

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
00-00-00--------	TPH-Gasoline	0.055	U	U

1-7-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.09

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.060	U

SA
1-17-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1302

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.10

% Moisture: 0 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00	TPH-Gasoline	0.050	U

VL
1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1402

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-008

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.21

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.060	U

U1

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1-17-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1502

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-010

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.12

% Moisture: 7 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00	TPH-Gasoline	0.055	U

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0203

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-015

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 95091229.33

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00	TPH-Gasoline	0.050	U

1-17-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1602

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-022

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.17

% Moisture: 12 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
00-00-00--------	TPH-Gasoline	0.055	U	U

1-17-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1702

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-024

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.18

% Moisture: 3 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00	TPH-Gasoline	0.050	U

SA
1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1802

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-026

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.19

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.060	U

VL
1-77-46

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0203

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-029

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 95091229.34

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00--------	TPH-Gasoline	0.050	U

1-17-96

FORM 1 ORG 3/90 (V4.02)

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: September 6, 1995

LDC Report Date: January 5, 1996

Matrix: Soil/Water

Parameters: Total Petroleum Hydrocarbons as Gasoline

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB1102
082SB1202
082SB1302
082SB1402
082SB1502
082RB0203
082SB1602
082SB1702
082SB1802
082GW0203
082SB1102MS
082SB1102MSD

Introduction

This data review covers 10 soil samples and 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per California DOHS LUFT Method for Total Petroleum Hydrocarbons (TPH) as Gasoline.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for California DOHS LUFT Method. The modifications were based on California DOHS LUFT Method.

A table summarizing all data qualification is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. Calibration

a. Initial Calibration

Initial calibration of analytes was performed as required by the method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

b. Calibration Verification

Calibration verification was performed at required frequencies. The percent differences (%D) of amounts in continuing standard mixtures were within the 15.0% QC limits.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total petroleum hydrocarbons as gasoline contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries were within QC limits.

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria.

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags have been summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

Sample 082RB0203 was identified as a rinsate blank. No total petroleum hydrocarbons as gasoline contaminants were found in this blank.

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Gasoline - Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

NTC San Diego, CTO 082
Total Petroleum Hydrocarbons as Gasoline - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

1D
ORGANICS ANALYSIS DATA SHEET

1721RT

EPA SAMPLE NO.

082SB1102

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: ____ SAS No.: ____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.06

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.055	U

U

1-7-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.09

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.060	U

SA
1-17-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1302

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.10

% Moisture: 0 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
00-00-00--------	TPH-Gasoline	0.050	U	U

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1402

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-008

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.21

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.060	U

U1

1-17-96

FORM I ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1502

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-010

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.12

% Moisture: 7 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/18/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.055	U

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0203

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-015

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 95091229.33

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00--------	TPH-Gasoline	0.050	U

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1602

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-022

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.17

% Moisture: 12 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.055	U

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1-17-96

FORM 1 ORG 3/90 (V4.02)

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1702

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-024

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.18

% Moisture: 3 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.050	U

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1802

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-026

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091829.19

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/19/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q
00-00-00--------	TPH-Gasoline	0.060	U

U

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0203

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-029

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 95091229.34

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/L	Q
00-00-00--------	TPH-Gasoline	0.050	U

1-17-96

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: September 6, 1995

LDC Report Date: January 5, 1996

Matrix: Soil

Parameters: Chlorinated Pesticides & PCBs

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB1101
082SB1201
082SB1301
082SB1401
082SB1501
082SB1601
082SB1701
082SB1801
082SB1101MS
082SB1101MSD

Introduction

This data review covers 10 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8080 for Chlorinated Pesticides and PCBs.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8080. The modifications were based on EPA SW 846 Method 8080.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of single and multicomponent analytes was performed for the primary (quantitation) column and confirmation column as required by this method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits with the following exceptions:

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/26/95	772-80-INDAC	RTX-5	Methoxychlor	22	082SB1101 082SB1201 082SB1301 082SB1401 082SB1101MS 082SB1101MSD PBLKJS	J	P
9/26/95	772-86-INDBC	RTX-5	4,4'-DDE Endosulfan II Endrin aldehyde Endosulfan sulfate	22 24 16 16	082SB1101 082SB1201 082SB1301 082SB1401 082SB1101MS 082SB1101MSD PBLKJS	J J J J	P
9/27/95	772-80-INDAC	RTX-5	Endrin 4,4'-DDD 4,4'-DDT Methoxychlor	24 16 18 26	082SB1501 082SB1601 082SB1701 082SB1801	J J J J	P

The individual 4,4'-DDT and Endrin breakdowns were less than 20.0% .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No chlorinated pesticide or PCB contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and Reported CRQLs

Raw data were not reviewed for this SDG.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

No field duplicates were identified in this SDG.

XV. Field Blanks

No field blanks were identified in this SDG.

NTC San Diego, CTO 082
Chlorinated Pesticides & PCBs - Data Qualification Summary - SDG GW01

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1101 082SB1201 082SB1301 082SB1401	Methoxychlor 4,4'-DDE Endosulfan II Endrin aldehyde Endosulfan sulfate	J J J J J	P	Continuing calibration (%D)
GW01	082SB1501 082SB1601 082SB1701 082SB1801	Endrin 4,4'-DDD 4,4'-DDT Methoxychlor	J J J J	P	Continuing calibration (%D)

NTC San Diego, CTO 082
Chlorinated Pesticides & PCBs - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

1721A3

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1101

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL — Lab Sample ID: 9509S106-001

Sample wt/vol: 30.0 (g/mL) G — Lab File ID: 95092454.53

% Moisture: 5 decanted: (Y/N) _ — Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC — Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL) — Date Analyzed: 09/27/95

Injection Volume: 1.0(uL) — Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 — Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	U
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	U J (5B)
72-20-8	Endrin	4.2	U	U
33213-65-9	Endosulfan II	4.2	U	U J (5B)
72-54-8	4,4'-DDD	4.2	U	U
1031-07-8	Endosulfan sulfate	4.2	U	U J (5B)
50-29-3	4,4'-DDT	4.2	U	U
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.2	U	U J (5B)
5103-71-9	alpha-Chlordane	4.2	U	U
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1201

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-003

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.56

% Moisture: 20 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.5	U	U
319-85-7	beta-BHC	2.5	U	
319-86-8	delta-BHC	2.5	U	
58-89-9	gamma-BHC (Lindane)	2.5	U	
76-44-8	Heptachlor	2.5	U	
309-00-2	Aldrin	2.5	U	
1024-57-3	Heptachlor epoxide	2.5	U	
959-98-8	Endosulfan I	2.5	U	
60-57-1	Dieldrin	5.0	U	
72-55-9	4,4'-DDE	5.0	U	U J (5B)
72-20-8	Endrin	5.0	U	U
33213-65-9	Endosulfan II	5.0	U	U J (5B)
72-54-8	4,4'-DDD	5.0	U	U
1031-07-8	Endosulfan sulfate	5.0	U	U J (5B)
50-29-3	4,4'-DDT	5.0	U	U
72-43-5	Methoxychlor	25	U	U J (5B)
7421-93-4	Endrin aldehyde	5.0	U	U J (5B)
5103-71-9	alpha-Chlordane	5.0	U	U
5103-74-2	gamma-Chlordane	5.0	U	
8001-35-2	Toxaphene	50	U	
12674-11-2	Aroclor-1016	25	U	
11104-28-2	Aroclor-1221	25	U	
11141-16-5	Aroclor-1232	25	U	
53469-21-9	Aroclor-1242	25	U	
12672-29-6	Aroclor-1248	25	U	
11097-69-1	Aroclor-1254	25	U	
11096-82-5	Aroclor-1260	25	U	

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1301

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-005

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.57

% Moisture: 5 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	U
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	U J (5B)
72-20-8	Endrin	4.2	U	U
33213-65-9	Endosulfan II	4.2	U	U J (5B)
72-54-8	4,4'-DDD	4.2	U	U
1031-07-8	Endosulfan sulfate	4.2	U	U J (5B)
50-29-3	4,4'-DDT	4.2	U	U
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.2	U	U J (5B)
5103-71-9	alpha-Chlordane	4.2	U	U
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1401

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-007

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.58

% Moisture: 20 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	13	U	u
319-85-7	beta-BHC	13	U	
319-86-8	delta-BHC	13	U	
58-89-9	gamma-BHC (Lindane)	13	U	
76-44-8	Heptachlor	13	U	
309-00-2	Aldrin	13	U	
1024-57-3	Heptachlor epoxide	13	U	
959-98-8	Endosulfan I	13	U	
60-57-1	Dieldrin	25	U	
72-55-9	4,4'-DDE	25	U	u J (5B)
72-20-8	Endrin	25	U	u
33213-65-9	Endosulfan II	25	U	u J (5B)
72-54-8	4,4'-DDD	25	U	u
1031-07-8	Endosulfan sulfate	25	U	u J (5B)
50-29-3	4,4'-DDT	25	U	u
72-43-5	Methoxychlor	130	U	u J (5B)
7421-93-4	Endrin aldehyde	25	U	u J (5B)
5103-71-9	alpha-Chlordane	25	U	u
5103-74-2	gamma-Chlordane	25	U	
8001-35-2	Toxaphene	250	U	
12674-11-2	Aroclor-1016	130	U	
11104-28-2	Aroclor-1221	130	U	
11141-16-5	Aroclor-1232	130	U	
53469-21-9	Aroclor-1242	130	U	
12672-29-6	Aroclor-1248	130	U	
11097-69-1	Aroclor-1254	130	U	
11096-82-5	Aroclor-1260	130	U	

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1501

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL — Lab Sample ID: 9509S106-009

Sample wt/vol: 30.0 (g/mL) G — Lab File ID: 95092454.63

% Moisture: 5 decanted: (Y/N) _ — Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC — Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL) — Date Analyzed: 09/27/95

Injection Volume: 1.0(uL) — Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 — Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	U
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	
72-20-8	Endrin	4.2	U	U J (5B)
33213-65-9	Endosulfan II	4.2	U	U
72-54-8	4,4'-DDD	4.2	U	U J (5B)
1031-07-8	Endosulfan sulfate	4.2	U	U
50-29-3	4,4'-DDT	4.2	U	U J (5B)
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.2	U	U
5103-71-9	alpha-Chlordane	4.2	U	
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1601

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-021

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.64

% Moisture: 9 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.2	U	u
319-85-7	beta-BHC	2.2	U	
319-86-8	delta-BHC	2.2	U	
58-89-9	gamma-BHC (Lindane)	2.2	U	
76-44-8	Heptachlor	2.2	U	
309-00-2	Aldrin	2.2	U	
1024-57-3	Heptachlor epoxide	2.2	U	
959-98-8	Endosulfan I	2.2	U	
60-57-1	Dieldrin	4.4	U	
72-55-9	4,4'-DDE	4.4	U	
72-20-8	Endrin	4.4	U	u J (5B)
33213-65-9	Endosulfan II	4.4	U	u
72-54-8	4,4'-DDD	4.4	U	u J (5B)
1031-07-8	Endosulfan sulfate	4.4	U	u
50-29-3	4,4'-DDT	4.4	U	u J (5B)
72-43-5	Methoxychlor	22	U	u J (5B)
7421-93-4	Endrin aldehyde	4.4	U	u
5103-71-9	alpha-Chlordane	4.4	U	
5103-74-2	gamma-Chlordane	4.4	U	
8001-35-2	Toxaphene	44	U	
12674-11-2	Aroclor-1016	22	U	
11104-28-2	Aroclor-1221	22	U	
11141-16-5	Aroclor-1232	22	U	
53469-21-9	Aroclor-1242	22	U	
12672-29-6	Aroclor-1248	22	U	
11097-69-1	Aroclor-1254	22	U	
11096-82-5	Aroclor-1260	22	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1701

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-023

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.65

% Moisture: 6 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	u
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.3	U	
72-55-9	4,4'-DDE	4.3	U	
72-20-8	Endrin	4.3	U	u J (5B)
33213-65-9	Endosulfan II	4.3	U	u
72-54-8	4,4'-DDD	4.3	U	u J (5B)
1031-07-8	Endosulfan sulfate	4.3	U	u
50-29-3	4,4'-DDT	4.3	U	u J (5B)
72-43-5	Methoxychlor	21	U	u J (5B)
7421-93-4	Endrin aldehyde	4.3	U	u
5103-71-9	alpha-Chlordane	4.3	U	
5103-74-2	gamma-Chlordane	4.3	U	
8001-35-2	Toxaphene	43	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1801

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-025

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.66

% Moisture: 5 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	1.1	J	J
319-85-7	beta-BHC	2.1	U	U
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	
72-20-8	Endrin	4.2	U	U J (5B)
33213-65-9	Endosulfan II	4.2	U	U
72-54-8	4,4'-DDD	4.2	U	U J (5B)
1031-07-8	Endosulfan sulfate	4.2	U	U
50-29-3	4,4'-DDT	4.2	U	U J (5B)
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.2	U	U
5103-71-9	alpha-Chlordane	4.2	U	
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: September 6, 1995

LDC Report Date: January 5, 1996

Matrix: Soil

Parameters: Chlorinated Pesticides & PCBs

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB1101
082SB1201
082SB1301
082SB1401
082SB1501
082SB1601
082SB1701
082SB1801
082SB1101MS
082SB1101MSD

Introduction

This data review covers 10 soil samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8080 for Chlorinated Pesticides and PCBs.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8080. The modifications were based on EPA SW 846 Method 8080.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XIV.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. GC/ECD Instrument Performance Check

Instrument performance was acceptable unless noted otherwise under initial calibration and continuing calibration sections.

III. Initial Calibration

Initial calibration of single and multicomponent analytes was performed for the primary (quantitation) column and confirmation column as required by this method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits with the following exceptions:

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/26/95	772-80-INDAC	RTX-5	Methoxychlor	22	082SB1101 082SB1201 082SB1301 082SB1401 082SB1101MS 082SB1101MSD PBLKJS	J	P
9/26/95	772-86-INDBC	RTX-5	4,4'-DDE Endosulfan II Endrin aldehyde Endosulfan sulfate	22 24 16 16	082SB1101 082SB1201 082SB1301 082SB1401 082SB1101MS 082SB1101MSD PBLKJS	J J J J	P
9/27/95	772-80-INDAC	RTX-5	Endrin 4,4'-DDD 4,4'-DDT Methoxychlor	24 16 18 26	082SB1501 082SB1601 082SB1701 082SB1801	J J J J	P

The individual 4,4'-DDT and Endrin breakdowns were less than 20.0% .

V. Blanks

Method blanks were reviewed for each matrix as applicable. No chlorinated pesticide or PCB contaminants were found in the method blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Pesticide Cleanup Checks

a. Florisil Cartridge Check

Florisil cleanup was not required and therefore not performed in this SDG.

b. GPC Calibration

GPC cleanup was not required and therefore not performed in this SDG.

XI. Target Compound Identification

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and Reported CRQLs

Raw data were not reviewed for this SDG.

XIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

XIV. Field Duplicates

No field duplicates were identified in this SDG.

XV. Field Blanks

No field blanks were identified in this SDG.

NTC San Diego, CTO 082
Chlorinated Pesticides & PCBs - Data Qualification Summary - SDG GW01

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1101 082SB1201 082SB1301 082SB1401	Methoxychlor 4,4'-DDE Endosulfan II Endrin aldehyde Endosulfan sulfate	J J J J J	P	Continuing calibration (%D)
GW01	082SB1501 082SB1601 082SB1701 082SB1801	Endrin 4,4'-DDD 4,4'-DDT Methoxychlor	J J J J	P	Continuing calibration (%D)

NTC San Diego, CTO 082
Chlorinated Pesticides & PCBs - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

1721A3

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1101

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL — Lab Sample ID: 9509S106-001

Sample wt/vol: 30.0 (g/mL) G — Lab File ID: 95092454.53

% Moisture: 5 decanted: (Y/N) _ — Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC — Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL) — Date Analyzed: 09/27/95

Injection Volume: 1.0(uL) — Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 — Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	U
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	U J (5B)
72-20-8	Endrin	4.2	U	U
33213-65-9	Endosulfan II	4.2	U	U J (5B)
72-54-8	4,4'-DDD	4.2	U	U
1031-07-8	Endosulfan sulfate	4.2	U	U J (5B)
50-29-3	4,4'-DDT	4.2	U	U
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.2	U	U J (5B)
5103-71-9	alpha-Chlordane	4.2	U	U
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1201

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-003

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.56

% Moisture: 20 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.5	U	U
319-85-7	beta-BHC	2.5	U	
319-86-8	delta-BHC	2.5	U	
58-89-9	gamma-BHC (Lindane)	2.5	U	
76-44-8	Heptachlor	2.5	U	
309-00-2	Aldrin	2.5	U	
1024-57-3	Heptachlor epoxide	2.5	U	
959-98-8	Endosulfan I	2.5	U	
60-57-1	Dieldrin	5.0	U	
72-55-9	4,4'-DDE	5.0	U	U J (5B)
72-20-8	Endrin	5.0	U	U
33213-65-9	Endosulfan II	5.0	U	U J (5B)
72-54-8	4,4'-DDD	5.0	U	U
1031-07-8	Endosulfan sulfate	5.0	U	U J (5B)
50-29-3	4,4'-DDT	5.0	U	U
72-43-5	Methoxychlor	25	U	U J (5B)
7421-93-4	Endrin aldehyde	5.0	U	U J (5B)
5103-71-9	alpha-Chlordane	5.0	U	U
5103-74-2	gamma-Chlordane	5.0	U	
8001-35-2	Toxaphene	50	U	
12674-11-2	Aroclor-1016	25	U	
11104-28-2	Aroclor-1221	25	U	
11141-16-5	Aroclor-1232	25	U	
53469-21-9	Aroclor-1242	25	U	
12672-29-6	Aroclor-1248	25	U	
11097-69-1	Aroclor-1254	25	U	
11096-82-5	Aroclor-1260	25	U	

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1301

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-005

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.57

% Moisture: 5 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	u
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	u J (5 B)
72-20-8	Endrin	4.2	U	u
33213-65-9	Endosulfan II	4.2	U	u J (5 B)
72-54-8	4,4'-DDD	4.2	U	u
1031-07-8	Endosulfan sulfate	4.2	U	u J (5 B)
50-29-3	4,4'-DDT	4.2	U	u
72-43-5	Methoxychlor	21	U	u J (5 B)
7421-93-4	Endrin aldehyde	4.2	U	u J (5 B)
5103-71-9	alpha-Chlordane	4.2	U	u
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1401

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-007

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.58

% Moisture: 20 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	13	U	U
319-85-7	beta-BHC	13	U	
319-86-8	delta-BHC	13	U	
58-89-9	gamma-BHC (Lindane)	13	U	
76-44-8	Heptachlor	13	U	
309-00-2	Aldrin	13	U	
1024-57-3	Heptachlor epoxide	13	U	
959-98-8	Endosulfan I	13	U	
60-57-1	Dieldrin	25	U	
72-55-9	4,4'-DDE	25	U	U J (5B)
72-20-8	Endrin	25	U	U
33213-65-9	Endosulfan II	25	U	U J (5B)
72-54-8	4,4'-DDD	25	U	U
1031-07-8	Endosulfan sulfate	25	U	U J (5B)
50-29-3	4,4'-DDT	25	U	U
72-43-5	Methoxychlor	130	U	U J (5B)
7421-93-4	Endrin aldehyde	25	U	U J (5B)
5103-71-9	alpha-Chlordane	25	U	U
5103-74-2	gamma-Chlordane	25	U	
8001-35-2	Toxaphene	250	U	
12674-11-2	Aroclor-1016	130	U	
11104-28-2	Aroclor-1221	130	U	
11141-16-5	Aroclor-1232	130	U	
53469-21-9	Aroclor-1242	130	U	
12672-29-6	Aroclor-1248	130	U	
11097-69-1	Aroclor-1254	130	U	
11096-82-5	Aroclor-1260	130	U	

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1501

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-009

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.63

% Moisture: 5 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	U
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	
72-20-8	Endrin	4.2	U	U J (5B)
33213-65-9	Endosulfan II	4.2	U	U
72-54-8	4,4'-DDD	4.2	U	U J (5B)
1031-07-8	Endosulfan sulfate	4.2	U	U
50-29-3	4,4'-DDT	4.2	U	U J (5B)
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.2	U	U
5103-71-9	alpha-Chlordane	4.2	U	
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1601

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-021

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.64

% Moisture: 9 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.2	U	u
319-85-7	beta-BHC	2.2	U	
319-86-8	delta-BHC	2.2	U	
58-89-9	gamma-BHC (Lindane)	2.2	U	
76-44-8	Heptachlor	2.2	U	
309-00-2	Aldrin	2.2	U	
1024-57-3	Heptachlor epoxide	2.2	U	
959-98-8	Endosulfan I	2.2	U	
60-57-1	Dieldrin	4.4	U	
72-55-9	4,4'-DDE	4.4	U	
72-20-8	Endrin	4.4	U	u J (5B)
33213-65-9	Endosulfan II	4.4	U	u
72-54-8	4,4'-DDD	4.4	U	u J (5B)
1031-07-8	Endosulfan sulfate	4.4	U	u
50-29-3	4,4'-DDT	4.4	U	u J (5B)
72-43-5	Methoxychlor	22	U	u J (5B)
7421-93-4	Endrin aldehyde	4.4	U	u
5103-71-9	alpha-Chlordane	4.4	U	
5103-74-2	gamma-Chlordane	4.4	U	
8001-35-2	Toxaphene	44	U	
12674-11-2	Aroclor-1016	22	U	
11104-28-2	Aroclor-1221	22	U	
11141-16-5	Aroclor-1232	22	U	
53469-21-9	Aroclor-1242	22	U	
12672-29-6	Aroclor-1248	22	U	
11097-69-1	Aroclor-1254	22	U	
11096-82-5	Aroclor-1260	22	U	

1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1701

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-023

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.65

% Moisture: 6 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	2.1	U	U
319-85-7	beta-BHC	2.1	U	
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.3	U	
72-55-9	4,4'-DDE	4.3	U	
72-20-8	Endrin	4.3	U	U J (5B)
33213-65-9	Endosulfan II	4.3	U	U
72-54-8	4,4'-DDD	4.3	U	U J (5B)
1031-07-8	Endosulfan sulfate	4.3	U	U
50-29-3	4,4'-DDT	4.3	U	U J (5B)
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.3	U	U
5103-71-9	alpha-Chlordane	4.3	U	
5103-74-2	gamma-Chlordane	4.3	U	
8001-35-2	Toxaphene	43	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

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1D
ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

082SB1801

Lab Name: ROY F. WESTON, INC. Work Order: 00000-000-000-0000-00

Client: BECHTEL CTO 082

Matrix: (soil/water) SOIL

Lab Sample ID: 9509S106-025

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 95092454.66

% Moisture: 5 decanted: (Y/N) _

Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/11/95

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 09/27/95

Injection Volume: 1.0(uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) _

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/Kg	Q	
319-84-6	alpha-BHC	1.1	J	J
319-85-7	beta-BHC	2.1	U	U
319-86-8	delta-BHC	2.1	U	
58-89-9	gamma-BHC (Lindane)	2.1	U	
76-44-8	Heptachlor	2.1	U	
309-00-2	Aldrin	2.1	U	
1024-57-3	Heptachlor epoxide	2.1	U	
959-98-8	Endosulfan I	2.1	U	
60-57-1	Dieldrin	4.2	U	
72-55-9	4,4'-DDE	4.2	U	
72-20-8	Endrin	4.2	U	U J (5B)
33213-65-9	Endosulfan II	4.2	U	U
72-54-8	4,4'-DDD	4.2	U	U J (5B)
1031-07-8	Endosulfan sulfate	4.2	U	U
50-29-3	4,4'-DDT	4.2	U	U J (5B)
72-43-5	Methoxychlor	21	U	U J (5B)
7421-93-4	Endrin aldehyde	4.2	U	U
5103-71-9	alpha-Chlordane	4.2	U	
5103-74-2	gamma-Chlordane	4.2	U	
8001-35-2	Toxaphene	42	U	
12674-11-2	Aroclor-1016	21	U	
11104-28-2	Aroclor-1221	21	U	
11141-16-5	Aroclor-1232	21	U	
53469-21-9	Aroclor-1242	21	U	
12672-29-6	Aroclor-1248	21	U	
11097-69-1	Aroclor-1254	21	U	
11096-82-5	Aroclor-1260	21	U	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: August 31 through September 6, 1995

LDC Report Date: January 9, 1996

Matrix: Soil/Water

Parameters: TCL Metals

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB0102
082SB0302
082SB0202
082SB0502
082SB0702
082SB0402
082SB0602
082SB0802
082SB0902
082SB1002
082GW0103
082RB0103
082SB1101
082SB1201
082SB1301
082SB1401
082SB1501
082RB0208
082SB1601
082SB1701
082SB1801
082GW0208
082SB0902S
082SB0902D
082SB1101S
082SB1101D
082GW0208S
082GW0208D

Introduction

This data review covers 22 soil samples and 6 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Contract Laboratory Program Statement of Work (SOW) for Inorganic Analysis, Multi-media, Multi-concentration, D.N. ILM02.1 for TCL Metals including Molybdenum.

This review follows USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) and incorporates updates per EPA SOW (D.N. ILM02.1); the following subsections correlate to the guidelines.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from specified protocols or is of technical advisory nature.

Blanks are summarized in Section III.

Field duplicates are summarized in Section XII.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. Calibration

An initial calibration was performed.

The frequency and analysis criteria of the initial calibration verification (ICV) and continuing calibration verification (CCV) were met.

CRDL standards for ICP and AA were analyzed and reported as required.

Instrument detection limits, interelement corrections and linear range analysis were performed at the required frequency.

III. Blanks

Method blanks were reviewed for each matrix as applicable with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
All soil samples in SDG GW01	All TCL metals	Insufficient quantity of method blanks associated for these samples.	Method blanks to be associated for a maximum of 20 samples.	None	P

Data qualification by the initial, continuing and preparation blanks (ICB/CCB/PBs) was based on the maximum contaminant concentration in the ICB/CCB/PBs in the analysis of each element. No contaminant concentrations were found above the IDL in the initial, continuing and preparation blanks with the following exceptions:

Method Blank ID	Analyte	Concentration	Associated Samples
ICB	Barium Mercury Molybdenum	1.0 ug/L 0.1 ug/L 2.5 ug/L	All samples in SDG GW01
CCB1	Barium Mercury	1.9 ug/L 0.1 ug/L	All samples in SDG GW01
CCB2	Barium Beryllium Mercury Silver Vanadium Zinc Molybdenum	0.5 ug/L 0.3 ug/L 0.3 ug/L 1.3 ug/L 1.5 ug/L 2.3 ug/L 2.5 ug/L	All samples in SDG GW01

Method Blank ID	Analyte	Concentration	Associated Samples
CCB3	Arsenic Barium Beryllium Molybdenum	1.4 ug/L 0.9 ug/L 0.2 ug/L 2.7 ug/L	All samples in SDG GW01
PB (prep blank)	Arsenic Barium Silver Zinc	0.139 mg/Kg 0.100 mg/Kg -0.127 mg/Kg 0.229 mg/Kg	All soil samples in SDG GW01
CCB1	Mercury Selenium	0.2 ug/L 0.8 ug/L	All samples in SDG GW01
CCB2	Arsenic Barium Beryllium Molybdenum	1.6 ug/L 0.6 ug/L 0.2 ug/L 2.5 ug/L	All samples in SDG GW01
CCB3	Arsenic	1.5 ug/L	All samples in SDG GW01
PB (prep blank)	Arsenic Barium Mercury Silver Zinc	0.930 ug/L 1.633 ug/L 0.146 ug/L -2.275 ug/L 16.604 ug/L	All water samples in SDG GW01
ICB	Barium Beryllium Cobalt Mercury Silver	1.1 ug/L 0.5 ug/L 1.8 ug/L 0.2 ug/L 2.3 ug/L	All samples in SDG GW01
CCB1	Arsenic Barium Beryllium Mercury Selenium Silver	1.2 ug/L 1.8 ug/L 0.5 ug/L 0.2 ug/L 0.7 ug/L 1.3 ug/L	All samples in SDG GW01
CCB2	Arsenic Barium Beryllium	1.3 ug/L 1.6 ug/L 0.3 ug/L	All samples in SDG GW01
CCB3	Arsenic Barium Beryllium Cobalt	1.5 ug/L 1.8 ug/L 0.4 ug/L 2.5 ug/L	All samples in SDG GW01
CCB1	Arsenic Beryllium Cobalt Selenium	1.5 ug/L 0.4 ug/L 2.2 ug/L 0.8 ug/L	All samples in SDG GW01

Method Blank ID	Analyte	Concentration	Associated Samples
CCB2	Arsenic Selenium	1.9 ug/L 0.7 ug/L	All samples in SDG GW01
CCB3	Arsenic	1.6 ug/L	All samples in SDG GW01
CCB1	Arsenic	-1.2 ug/L	All samples in SDG GW01

No contaminant concentrations were found above the CRDL in the initial, continuing and preparation blanks with the following exceptions:

Blank ID	Analyte	Concentration	CRDL	Associated Samples	Flag	A or P
CCB1	Mercury	0.3 ug/L	0.2 ug/L	All samples in SDG GW01	None	P

Sample concentrations were compared to concentrations detected in the ICB/CCB/PBs. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Analyte	Reported Concentration	Modified Final Concentration
082GW0103	Arsenic Beryllium Cobalt Mercury Selenium Zinc	5.6 ug/L 0.21 ug/L 1.6 ug/L 0.15 ug/L 1.3 ug/L 23.5 ug/L	5.6U ug/L 0.21U ug/L 1.6U ug/L 0.15U ug/L 1.3U ug/L 23.5U ug/L
082GW0208	Beryllium Cobalt Mercury Zinc	0.2 ug/L 5.6 ug/L 0.15 ug/L 39.5 ug/L	0.2U ug/L 5.6U ug/L 0.15U ug/L 39.5U ug/L
082RB0103	Barium Mercury Selenium Zinc	2.4 ug/L 0.15 ug/L 0.7 ug/L 17.5 ug/L	2.4U ug/L 0.15U ug/L 0.7U ug/L 17.5U ug/L
082RB0208	Barium Beryllium Mercury Zinc	5.0 ug/L 0.22 ug/L 0.15 ug/L 24.9 ug/L	5.0U ug/L 0.22U ug/L 0.15U ug/L 24.9U ug/L

Sample	Analyte	Reported Concentration	Modified Final Concentration
082SB0202	Beryllium Mercury Silver	0.17 mg/Kg 0.02 mg/Kg 0.39 mg/Kg	0.17U mg/Kg 0.02U mg/Kg 0.39U mg/Kg
082SB0302	Molybdenum Arsenic Beryllium Cobalt Mercury	0.74 mg/Kg 0.36 mg/Kg 0.05 mg/Kg 1.1 mg/Kg 0.01 mg/Kg	0.74U mg/Kg 0.36U mg/Kg 0.05U mg/Kg 1.1U mg/Kg 0.01U mg/Kg
082SB0402	Mercury	0.03 mg/Kg	0.03U mg/Kg
082SB0502	Molybdenum Arsenic Beryllium Mercury	0.52 mg/Kg 0.34 mg/Kg 0.05 mg/Kg 0.01 mg/Kg	0.52U mg/Kg 0.34U mg/Kg 0.05U mg/Kg 0.01U mg/Kg
082SB0602	Mercury Silver	0.05 mg/Kg 0.88 mg/Kg	0.05U mg/Kg 0.88U mg/Kg
082SB0702	Molybdenum Arsenic Beryllium Mercury Silver	1.1 mg/Kg 0.27 mg/Kg 0.11 mg/Kg 0.01 mg/Kg 0.28 mg/Kg	1.1U mg/Kg 0.27U mg/Kg 0.11U mg/Kg 0.01U mg/Kg 0.28U mg/Kg
082SB0802	Beryllium Mercury	0.10 mg/Kg 0.02 mg/Kg	0.10U mg/Kg 0.02U mg/Kg
082SB0902	Molybdenum Arsenic Beryllium Mercury	0.85 mg/Kg 0.61 mg/Kg 0.05 mg/Kg 0.01 mg/Kg	0.85U mg/Kg 0.61U mg/Kg 0.05U mg/Kg 0.01U mg/Kg
082SB1002	Beryllium Mercury	0.08 mg/Kg 0.01 mg/Kg	0.08U mg/Kg 0.01U mg/Kg
082SB1101	Molybdenum Beryllium Mercury Silver	0.59 mg/Kg 0.09 mg/Kg 0.02 mg/Kg 0.13 mg/Kg	0.59U mg/Kg 0.09U mg/Kg 0.02U mg/Kg 0.13U mg/Kg
082SB1201	Molybdenum Beryllium Silver	1.3 mg/Kg 0.11 mg/Kg 0.58 mg/Kg	1.3U mg/Kg 0.11U mg/Kg 0.58U mg/Kg
082SB1301	Molybdenum Beryllium Mercury Silver	0.58 mg/Kg 0.07 mg/Kg 0.03 mg/Kg 0.20 mg/Kg	0.58U mg/Kg 0.07U mg/Kg 0.03U mg/Kg 0.20U mg/Kg

Sample	Analyte	Reported Concentration	Modified Final Concentration
082SB1401	Beryllium Mercury	0.05 mg/Kg 0.02 mg/Kg	0.05U mg/Kg 0.02U mg/Kg
082SB1501	Molybdenum Beryllium Mercury	0.48 mg/Kg 0.06 mg/Kg 0.02 mg/Kg	0.48U mg/Kg 0.06U mg/Kg 0.02U mg/Kg
082SB1601	Molybdenum Arsenic Beryllium Mercury	0.33 mg/Kg 0.56 mg/Kg 0.06 mg/Kg 0.01 mg/Kg	0.33U mg/Kg 0.56U mg/Kg 0.06U mg/Kg 0.01U mg/Kg
082SB1701	Molybdenum Beryllium Mercury	0.79 mg/Kg 0.08 mg/Kg 0.04 mg/Kg	0.79U mg/Kg 0.08U mg/Kg 0.04U mg/Kg
082SB1801	Molybdenum Arsenic Beryllium Mercury	0.65 mg/Kg 0.62 mg/Kg 0.07 mg/Kg 0.01 mg/Kg	0.65U mg/Kg 0.62U mg/Kg 0.07U mg/Kg 0.01U mg/Kg
082SB0102	Beryllium Mercury	0.10 mg/Kg 0.02 mg/Kg	0.10U mg/Kg 0.02U mg/Kg

IV. ICP Interference Check Sample (ICS) Analysis

The frequency of analysis was met.

The criteria for analysis were met.

V. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
All soil samples in SDG GW01	All TCL metals	Insufficient quantity of laboratory control samples associated for these samples.	Laboratory control samples to be associated for a maximum of 20 samples.	None	P

Percent recoveries were within QC limits.

VI. Duplicate Sample Analysis

Duplicate sample analyses were reviewed for each matrix as applicable. Relative percent

differences (RPD) were within QC limits.

VII. Matrix Spike Analysis

Matrix spike analyses were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits of 75-125% with the following exceptions:

Sample (Associated Samples)	Analyte	%R	Flag	A or P
082GW0208S (All water samples in SDG GW01)	Arsenic Lead	41.2 35.0	J J	A
082GW0208S (All water samples in SDG GW01)	Thallium	6.2	J (all detects) R (all non-detects)	A
082SB1101S (All soil samples in SDG GW01)	Arsenic	27.6	J (all detects) R (all non-detects)	A
082SB1101S (All soil samples in SDG GW01)	Selenium	30.2	J	A

VIII. Furnace Atomic Absorption QC

All reported MSAs were reviewed and found acceptable.

Raw data were not reviewed for this SDG.

IX. ICP Serial Dilution

The frequency of analysis was met.

The criteria for analysis were met with the following exceptions:

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Flag	A or P
082GW0208L	Barium	12.2 (≤10)	All water samples in SDG GW01	J (all detects)	A
082SB1101L	Chromium	14.4 (≤10)	All soil samples in SDG GW01	J (all detects)	A

X. Sample Result Verification

Raw data were not reviewed for this SDG.

XI. Overall Assessment of Data

Data flags have been summarized at the end of this report.

XII. Field Duplicates

No field duplicates were identified in this SDG.

XIII. Field Blanks

Samples 082RB0103 and 082RB0208 were identified as rinsates. No TCL metal contaminants were found in this blank with the following exceptions:

Rinsate ID	Analyte	Concentration (ug/L)
082RB0103	Barium	2.4
	Chromium	3.2
	Copper	4.9
	Nickel	4.2
	Selenium	0.70
	Zinc	17.5
	Molybdenum	0.15
082RB0208	Barium	5.0
	Beryllium	0.22
	Chromium	2.4
	Copper	4.7
	Zinc	24.9
	Molybdenum	0.15

NTC San Diego, CTO 082
TCL Metals - Data Qualification Summary - SDG GW01

SDG	Sample	Analyte	Flag	A or P	Reason
GW01	082SB0102 082SB0302 082SB0202 082SB0502 082SB0702 082SB0402 082SB0602 082SB0802 082SB0902 082SB1002 082SB1101 082SB1201 082SB1301 082SB1401 082SB1501 082SB1601 082SB1701 082SB1801	All TCL metals	None	P	Method blanks
GW01	082SB0102 082SB0302 082SB0202 082SB0502 082SB0702 082SB0402 082SB0602 082SB0802 082SB0902 082SB1002 082GW0103 082RB0103 082SB1101 082SB1201 082SB1301 082SB1401 082SB1501 082RB0208 082SB1601 082SB1701	Mercury	None	P	Method blanks

SDG	Sample	Analyte	Flag	A or P	Reason
GW01	082SB0102 082SB0302 082SB0202 082SB0502 082SB0702 082SB0402 082SB0602 082SB0802 082SB0902 082SB1002 082SB1101 082SB1201 082SB1301 082SB1401 082SB1501 082SB1601 082SB1701 082SB1801	All TCL metals	None	P	Laboratory control samples
GW01	082GW0103 082RB0103 082RB0208 082GW0208	Arsenic Lead	J J	A	Matrix spike analysis (%R)
GW01	082GW0103 082RB0103 082RB0208 082GW0208	Thallium	J (all detects) R (all non-detects)	A	Matrix spike analysis (%R)
GW01	082SB0102 082SB0302 082SB0202 082SB0502 082SB0702 082SB0402 082SB0602 082SB0802 082SB0902 082SB1002 082SB1101 082SB1201 082SB1301 082SB1401 082SB1501 082SB1601 082SB1701 082SB1801	Arsenic	J (all detects) R (all non-detects)	A	Matrix spike analysis (%R)

SDG	Sample	Analyte	Flag	A or P	Reason
GW01	082SB0102 082SB0302 082SB0202 082SB0502 082SB0702 082SB0402 082SB0602 082SB0802 082SB0902 082SB1002 082SB1101 082SB1201 082SB1301 082SB1401 082SB1501 082SB1601 082SB1701 082SB1801	Selenium	J	A	Matrix spike analysis (%R)
GW01	082GW0103 082RB0103 082RB0208 082GW0208	Barium	J (all detects)	A	ICP serial dilution (%D)
GW01	082SB0102 082SB0302 082SB0202 082SB0502 082SB0702 082SB0402 082SB0602 082SB0802 082SB0902 082SB1002 082SB1101 082SB1201 082SB1301 082SB1401 082SB1501 082SB1601 082SB1701 082SB1801	Chromium	J (all detects)	A	ICP serial dilution (%D)

NTC San Diego, CTO 082
TCL Metals - Laboratory Blank Data Qualification Summary - SDG GW01

SDG	Sample	Analyte	Modified Final Concentration	A or P
GW01	082GW0103	Arsenic Beryllium Cobalt Mercury Selenium Zinc	5.6U ug/L 0.21U ug/L 1.6U ug/L 0.15U ug/L 1.3U ug/L 23.5U ug/L	A

SDG	Sample	Analyte	Modified Final Concentration	A or P
GW01	082GW0208	Beryllium Cobalt Mercury Zinc	0.2U ug/L 5.6U ug/L 0.15U ug/L 39.5U ug/L	A
GW01	082RB0103	Barium Mercury Selenium Zinc	2.4U ug/L 0.15U ug/L 0.7U ug/L 17.5U ug/L	A
GW01	082RB0208	Barium Beryllium Mercury Zinc	5.0U ug/L 0.22U ug/L 0.15U ug/L 24.9U ug/L	A
GW01	082SB0202	Beryllium Mercury Silver	0.17U mg/Kg 0.02U mg/Kg 0.39U mg/Kg	A
GW01	082SB0302	Molybdenum Arsenic Beryllium Cobalt Mercury	0.74U mg/Kg 0.36U mg/Kg 0.05U mg/Kg 1.1U mg/Kg 0.01U mg/Kg	A
GW01	082SB0402	Mercury	0.03U mg/Kg	A
GW01	082SB0502	Molybdenum Arsenic Beryllium Mercury	0.52U mg/Kg 0.34U mg/Kg 0.05U mg/Kg 0.01U mg/Kg	A
GW01	082SB0602	Mercury Silver	0.05U mg/Kg 0.88U mg/Kg	A
GW01	082SB0702	Molybdenum Arsenic Beryllium Mercury Silver	1.1U mg/Kg 0.27U mg/Kg 0.11U mg/Kg 0.01U mg/Kg 0.28U mg/Kg	A
GW01	082SB0802	Beryllium Mercury	0.10U mg/Kg 0.02U mg/Kg	A
GW01	082SB0902	Molybdenum Arsenic Beryllium Mercury	0.85U mg/Kg 0.61U mg/Kg 0.05U mg/Kg 0.01U mg/Kg	A
GW01	082SB1002	Beryllium Mercury	0.08U mg/Kg 0.01U mg/Kg	A

SDG	Sample	Analyte	Modified Final Concentration	A or P
GW01	082SB1101	Molybdenum Beryllium Mercury Silver	0.59U mg/Kg 0.09U mg/Kg 0.02U mg/Kg 0.13U mg/Kg	A
GW01	082SB1201	Molybdenum Beryllium Silver	1.3U mg/Kg 0.11U mg/Kg 0.58U mg/Kg	A
GW01	082SB1301	Molybdenum Beryllium Mercury Silver	0.58U mg/Kg 0.07U mg/Kg 0.03U mg/Kg 0.20U mg/Kg	A
GW01	082SB1401	Beryllium Mercury	0.05U mg/Kg 0.02U mg/Kg	A
GW01	082SB1501	Molybdenum Beryllium Mercury	0.48U mg/Kg 0.06U mg/Kg 0.02U mg/Kg	A
GW01	082SB1601	Molybdenum Arsenic Beryllium Mercury	0.33U mg/Kg 0.56U mg/Kg 0.06U mg/Kg 0.01U mg/Kg	A
GW01	082SB1701	Molybdenum Beryllium Mercury	0.79U mg/Kg 0.08U mg/Kg 0.04U mg/Kg	A
GW01	082SB1801	Molybdenum Arsenic Beryllium Mercury	0.65U mg/Kg 0.62U mg/Kg 0.07U mg/Kg 0.01U mg/Kg	A
GW01	082SB0102	Beryllium Mercury	0.10U mg/Kg 0.02U mg/Kg	A

1/21/94

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0103

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S091-023

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	9.0	U		P	u
7440-38-2	Arsenic__	5.6	B	WN	F	u J (8,7)
7440-39-3	Barium___	147	B	E	P	J (16)
7440-41-7	Beryllium	0.21	B		P	u (7)
7440-43-9	Cadmium__	1.4	U		P	u
7440-47-3	Chromium_	2.4	B		P	
7440-48-4	Cobalt___	1.6	B		P	u (7)
7440-50-8	Copper___	4.7	B		P	
7439-92-1	Lead____	0.40	U	N	F	u J (8)
7440-02-0	Nickel___	4.7	B		P	
7782-49-2	Selenium_	1.3	B	W	F	u (7)
7440-22-4	Silver___	1.2	U		P	u
7440-28-0	Thallium_	0.90	U	WN	F	R (8)
7440-62-2	Vanadium_	12.7	B		P	
7440-66-6	Zinc____	23.5			P	u (7)
7439-98-7	Molybdenu	23.5	B		P	
7439-97-6	Mercury__	0.15	B		CV	u (7)

CL 1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0103.

FORM I - IN ILM02.1

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0208

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S106-034

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	9.0	U		P_	U
7440-38-2	Arsenic__	8.0	U	WN	F_	U J (8)
7440-39-3	Barium___	136	B	E	P_	J (6)
7440-41-7	Beryllium	0.20	B		P_	U (7)
7440-43-9	Cadmium__	1.4	U		P_	U
7440-47-3	Chromium_	1.7	U		P_	U
7440-48-4	Cobalt___	5.6	B		P_	U (7)
7440-50-8	Copper___	4.6	U		P_	U
7439-92-1	Lead____	1.2	B	WN	F_	J (8)
7440-02-0	Nickel___	3.6	U		P_	U
7782-49-2	Selenium_	15.0	B	W	F_	
7440-22-4	Silver___	1.2	U		P_	U
7440-28-0	Thallium_	9.0	U	WN	F_	R (8)
7440-62-2	Vanadium_	15.2	B		P_	
7440-66-6	Zinc____	39.5			P_	U (7)
7439-98-7	Molybdenu	20.6	B		P_	
7439-97-6	Mercury__	0.15	B		CV	U (7)

1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0208._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0103

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S091-029

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	9.0	U		P_	U
7440-38-2	Arsenic__	0.80	U	N	F_	U J (8)
7440-39-3	Barium___	2.4	B	E	P_	U J (16)(7)
7440-41-7	Beryllium	0.20	U		P_	U
7440-43-9	Cadmium__	1.4	U		P_	U
7440-47-3	Chromium_	3.2	B		P_	
7440-48-4	Cobalt___	1.5	U		P_	U
7440-50-8	Copper___	4.9	B		P_	
7439-92-1	Lead____	0.40	U	N	F_	U J (8)
7440-02-0	Nickel___	4.2	B		P_	
7782-49-2	Selenium_	0.70	B		F_	U (7)
7440-22-4	Silver___	1.2	U		P_	U
7440-28-0	Thallium_	0.90	U	N	F_	~~J~~ R (8)
7440-62-2	Vanadium_	1.3	U		P_	U
7440-66-6	Zinc____	17.5	B		P_	U (7)
7439-98-7	Molybdenu	1.7	U		P_	U
7439-97-6	Mercury__	0.15	B		CV	U (7)

VR 1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0103.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0208

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): WATER Lab Sample ID: 9509S106-020

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	9.0	U		P_	u
7440-38-2	Arsenic__	0.80	U	N	F_	u J 18
7440-39-3	Barium___	5.0	B	E	P_	u J 16.7
7440-41-7	Beryllium	0.22	B		P_	u .7
7440-43-9	Cadmium__	1.4	U		P_	u
7440-47-3	Chromium_	2.4	B		P_	
7440-48-4	Cobalt___	1.5	U		P_	u
7440-50-8	Copper___	4.7	B		P_	
7439-92-1	Lead____	0.40	U	N	F_	u J 8
7440-02-0	Nickel___	3.6	U		P_	u
7782-49-2	Selenium_	0.60	U		F_	
7440-22-4	Silver___	1.2	U		P_	↓
7440-28-0	Thallium_	0.90	U	N	F_	R 8
7440-62-2	Vanadium_	1.3	U		P_	u
7440-66-6	Zinc____	24.9			P_	u .7
7439-98-7	Molybdenu	1.7	U		P_	u
7439-97-6	Mercury__	0.15	B		CV	u .7

1-17-96

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0208._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0102

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-002

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P_	U
7440-38-2	Arsenic__	1.3	B	N	F_	J (8)
7440-39-3	Barium___	36.2			P_	
7440-41-7	Beryllium	0.10	B		P_	U (7)
7440-43-9	Cadmium__	0.15	U		P_	U
7440-47-3	Chromium_	9.7		E*	P_	J (16)
7440-48-4	Cobalt___	2.8	B		P_	
7440-50-8	Copper___	4.6			P_	
7439-92-1	Lead____	1.8			F_	
7440-02-0	Nickel___	6.6			P_	
7782-49-2	Selenium_	0.63	U	WN	F_	UJ (8)
7440-22-4	Silver___	0.13	U		P_	U
7440-28-0	Thallium_	0.15	B		F_	
7440-62-2	Vanadium_	26.0			P_	
7440-66-6	Zinc____	14.4		*	P_	
7439-98-7	Molybdenu	0.97	B		P_	
7439-97-6	Mercury__	0.02	B		CV	U (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0102._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0202

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-006

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _72.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	1.2	U	N	P_	u
7440-38-2	Arsenic__	5.1	B	N	F_	J (8)
7440-39-3	Barium___	34.6			P_	
7440-41-7	Beryllium	0.17	B		P_	u (7)
7440-43-9	Cadmium__	0.20	B		P_	
7440-47-3	Chromium_	14.9		E*	P_	J (16)
7440-48-4	Cobalt___	3.5	B		P_	
7440-50-8	Copper___	6.0			P_	
7439-92-1	Lead____	2.2			F_	
7440-02-0	Nickel___	4.9	B		P_	
7782-49-2	Selenium_	1.2	B	N	F_	J (8)
7440-22-4	Silver___	0.39	B		P_	u (7)
7440-28-0	Thallium_	0.32	B		F_	
7440-62-2	Vanadium_	27.3			P_	
7440-66-6	Zinc____	19.2		*	P_	
7439-98-7	Molybdenu	7.9			P_	
7439-97-6	Mercury__	0.02	B		CV	u (7)

1-17-96

Color Before: BLACK____ Clarity Before: _____ Texture: MEDIUM

Color After: BLACK____ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB0202._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0302

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-004

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _96.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.94	U	N	P	u
7440-38-2	Arsenic__	0.36	B	WN	F	u J (8,7)
7440-39-3	Barium___	16.2	B		P	
7440-41-7	Beryllium	0.05	B		P	u 7)
7440-43-9	Cadmium__	0.15	U		P	u
7440-47-3	Chromium_	8.1		E*	P	J (6)
7440-48-4	Cobalt___	1.1	B		P	u 7)
7440-50-8	Copper___	2.3	B		P	
7439-92-1	Lead____	1.7			F	
7440-02-0	Nickel___	11.9			P	
7782-49-2	Selenium_	0.06	U	WN	F	u J 8
7440-22-4	Silver___	0.12	U		P	u
7440-28-0	Thallium_	0.12	B		F	
7440-62-2	Vanadium_	23.8			P	
7440-66-6	Zinc____	9.4		*	P	
7439-98-7	Molybdenu	0.74	B		P	u 7)
7439-97-6	Mercury__	0.01	B		CV	u 7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB0302._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0402

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-012

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _71.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	1.3	U	N	P	u
7440-38-2	Arsenic__	2.9	B	WN	F	J (8)
7440-39-3	Barium___	57.6			P	
7440-41-7	Beryllium	0.41	B		P	
7440-43-9	Cadmium__	0.20	U		P	u
7440-47-3	Chromium_	29.9		E*	P	J (16)
7440-48-4	Cobalt___	5.2	B		P	
7440-50-8	Copper___	10.3			P	
7439-92-1	Lead____	4.2			F	
7440-02-0	Nickel___	8.6			P	
7782-49-2	Selenium_	0.84	U	WN	F	u J (8)
7440-22-4	Silver___	0.17	U		P	u
7440-28-0	Thallium_	0.37	B		F	
7440-62-2	Vanadium_	51.2			P	
7440-66-6	Zinc____	39.7		*	P	
7439-98-7	Molybdenu	2.7	B		P	
7439-97-6	Mercury__	0.03			CV	u (7)

1-17-96

Color Before: BLACK____ Clarity Before: _____ Texture: FINE__

Color After: BLACK____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0402._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0502

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-008

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P	U
7440-38-2	Arsenic__	0.34	B	N	F	UJ (8,7)
7440-39-3	Barium___	16.8	B		P	
7440-41-7	Beryllium	0.05	B		P	U (7)
7440-43-9	Cadmium__	0.15	U		P	U
7440-47-3	Chromium_	5.3		E*	P	J (16)
7440-48-4	Cobalt___	1.4	B		P	
7440-50-8	Copper___	2.1	B		P	
7439-92-1	Lead____	1.1			F	
7440-02-0	Nickel___	7.0			P	
7782-49-2	Selenium_	0.06	U	WN	F	UJ (8)
7440-22-4	Silver___	0.13	U		P	U
7440-28-0	Thallium_	0.09	U		F	U
7440-62-2	Vanadium_	14.1			P	
7440-66-6	Zinc____	6.4		*	P	
7439-98-7	Molybdenu	0.52	B		P	U (7)
7439-97-6	Mercury__	0.01	B		CV	U (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0502._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0602

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-014

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _69.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	1.3	U	N	P	u
7440-38-2	Arsenic__	8.3		SN	F	J (8)
7440-39-3	Barium___	40.7			P	
7440-41-7	Beryllium	0.29	B		P	
7440-43-9	Cadmium__	0.38	B		P	
7440-47-3	Chromium_	25.8		E*	P	J (16)
7440-48-4	Cobalt___	5.2	B		P	
7440-50-8	Copper___	9.9			P	
7439-92-1	Lead____	4.5			F	
7440-02-0	Nickel___	8.5			P	
7782-49-2	Selenium_	0.86	U	WN	F	u J (8)
7440-22-4	Silver___	0.88	B		P	u (7)
7440-28-0	Thallium_	0.28	B		F	
7440-62-2	Vanadium_	57.8			P	
7440-66-6	Zinc____	33.7		*	P	
7439-98-7	Molybdenu	4.2	B		P	
7439-97-6	Mercury__	0.05			CV	u (7)

Color Before: BLACK____ Clarity Before: _____ Texture: FINE__

Color After: BLACK____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0602._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0702

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-010

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P	U
7440-38-2	Arsenic__	0.27	B	N	F	U J (8,7)
7440-39-3	Barium___	35.8			P	
7440-41-7	Beryllium	0.11	B		P	U (7)
7440-43-9	Cadmium__	0.15	U		P	U
7440-47-3	Chromium_	11.0		E*	P	J (16)
7440-48-4	Cobalt___	7.7			P	
7440-50-8	Copper___	4.7			P	
7439-92-1	Lead____	0.94			F	
7440-02-0	Nickel___	4.1	B		P	
7782-49-2	Selenium_	0.06	U	WN	F	U J (8)
7440-22-4	Silver___	0.28	B		P	U (7)
7440-28-0	Thallium_	0.09	U		F	U
7440-62-2	Vanadium_	28.2			P	
7440-66-6	Zinc____	16.5		*	P	
7439-98-7	Molybdenu	1.1	B		P	U (7)
7439-97-6	Mercury__	0.01	B		CV	U (7)

SA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0702._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0802

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-016

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _70.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	1.3	U	N	P	U
7440-38-2	Arsenic__	3.0	B	N	F	J (8)
7440-39-3	Barium___	48.2			P	
7440-41-7	Beryllium	0.10	B		P	U (7)
7440-43-9	Cadmium__	0.20	U		P	U
7440-47-3	Chromium_	22.3		E*	P	J (16)
7440-48-4	Cobalt___	4.2	B		P	
7440-50-8	Copper___	9.2			P	
7439-92-1	Lead____	3.2			F	
7440-02-0	Nickel___	10.9			P	
7782-49-2	Selenium_	0.85	U	WN	F	U J (8)
7440-22-4	Silver___	0.17	U		P	U
7440-28-0	Thallium_	0.13	U		F	U
7440-62-2	Vanadium_	45.2			P	
7440-66-6	Zinc____	34.1		*	P	
7439-98-7	Molybdenu	2.7	B		P	
7439-97-6	Mercury__	0.02	B		CV	U (7)

SA
1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0802._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB0902

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-018

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P	U
7440-38-2	Arsenic__	0.61	B	N	F	U J (8,7)
7440-39-3	Barium___	13.5	B		P	
7440-41-7	Beryllium	0.05	B		P	U (7)
7440-43-9	Cadmium__	0.15	U		P	U
7440-47-3	Chromium_	6.3		E*	P	J (16)
7440-48-4	Cobalt___	1.8	B		P	
7440-50-8	Copper___	2.5	B		P	
7439-92-1	Lead____	1.6			F	
7440-02-0	Nickel___	3.2	B		P	
7782-49-2	Selenium_	0.63	U	WN	F	U J (8)
7440-22-4	Silver___	0.13	U		P	U
7440-28-0	Thallium_	0.10	B		F	
7440-62-2	Vanadium_	18.6			P	
7440-66-6	Zinc____	9.1		*	P	
7439-98-7	Molybdenu	0.85	B		P	U (7)
7439-97-6	Mercury__	0.01	B		CV	U (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB0902._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1002

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S091-020

Level (low/med): LOW__ Date Received: 09/05/95

% Solids: _80.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	1.1	U	N	P_	U
7440-38-2	Arsenic__	1.5	_	SN	F_	J (8)
7440-39-3	Barium___	24.9	_		P_	
7440-41-7	Beryllium	0.08	B		P_	U (7)
7440-43-9	Cadmium__	0.17	U		P_	U
7440-47-3	Chromium_	7.0	_	E*	P_	J (16)
7440-48-4	Cobalt___	2.2	B		P_	
7440-50-8	Copper___	3.1	B		P_	
7439-92-1	Lead____	0.94	_		F_	
7440-02-0	Nickel___	1.9	B		P_	
7782-49-2	Selenium_	0.07	U	WN	F_	U J (8)
7440-22-4	Silver___	0.15	U		P_	U
7440-28-0	Thallium_	0.18	B		F_	
7440-62-2	Vanadium_	18.9	_		P_	
7440-66-6	Zinc____	10.2	_	*	P_	
7439-98-7	Molybdenu	2.3	B		P_	
7439-97-6	Mercury__	0.01	B		CV	U (7)

SL
1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1002._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-001

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P	U
7440-38-2	Arsenic__	4.0		SN	F	J (8)
7440-39-3	Barium___	37.2			P	
7440-41-7	Beryllium	0.09	B		P	U (7)
7440-43-9	Cadmium__	0.15	U		P	U
7440-47-3	Chromium_	9.7		E*	P	J (16)
7440-48-4	Cobalt___	2.3	B		P	
7440-50-8	Copper___	5.4			P	
7439-92-1	Lead____	15.1			F	
7440-02-0	Nickel___	3.4	B		P	
7782-49-2	Selenium_	0.63	U	WN	F	UJ (8)
7440-22-4	Silver___	0.13	B		P	U (7)
7440-28-0	Thallium_	0.15	B		F	
7440-62-2	Vanadium_	19.0			P	
7440-66-6	Zinc____	51.2		*	P	
7439-98-7	Molybdenu	0.59	B		P	U (7)
7439-97-6	Mercury__	0.02	B		CV	U (7

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB1101._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1201

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-003

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	1.1	U	N	P_	U
7440-38-2	Arsenic__	2.1	B	N	F_	J (8)
7440-39-3	Barium___	67.4			P_	
7440-41-7	Beryllium	0.11	B		P_	U (7)
7440-43-9	Cadmium__	0.18	U		P_	U
7440-47-3	Chromium_	13.2		E*	P_	J (16)
7440-48-4	Cobalt___	2.9	B		P_	
7440-50-8	Copper___	5.0			P_	
7439-92-1	Lead____	2.0			F_	
7440-02-0	Nickel___	3.2	B		P_	
7782-49-2	Selenium_	0.75	U	WN	F_	U J (8)
7440-22-4	Silver___	0.58	B		P_	U (7)
7440-28-0	Thallium_	0.37	B		F_	
7440-62-2	Vanadium_	34.1			P_	
7440-66-6	Zinc____	19.6		*	P_	
7439-98-7	Molybdenu	1.3	B		P_	U (7)
7439-97-6	Mercury__	0.01	U		CV	U

DR 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1201._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1301

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-005

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P	U
7440-38-2	Arsenic__	3.9		SN	F	J (8)
7440-39-3	Barium___	27.1			P	
7440-41-7	Beryllium	0.07	B		P	U (7)
7440-43-9	Cadmium__	0.15	U		P	U
7440-47-3	Chromium_	6.9		E*	P	J (6)
7440-48-4	Cobalt___	2.2	B		P	
7440-50-8	Copper___	3.8			P	
7439-92-1	Lead____	3.8			F	
7440-02-0	Nickel___	2.4	B		P	
7782-49-2	Selenium_	0.06	U	WN	F	U J (8)
7440-22-4	Silver___	0.20	B		P	U (7)
7440-28-0	Thallium_	0.18	B		F	
7440-62-2	Vanadium_	17.9			P	
7440-66-6	Zinc____	14.4		*	P	
7439-98-7	Molybdenu	0.58	B		P	U (7)
7439-97-6	Mercury__	0.03			CV	U (7)

1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1301._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-007

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	1.1	U	N	P	U
7440-38-2	Arsenic__	2.7	B	N	F	J (8)
7440-39-3	Barium___	117			P	
7440-41-7	Beryllium	0.05	B		P	U (7)
7440-43-9	Cadmium__	0.18	U		P	U
7440-47-3	Chromium_	23.7		E*	P	J (16)
7440-48-4	Cobalt___	5.4	B		P	
7440-50-8	Copper___	9.6			P	
7439-92-1	Lead____	1.8			F	
7440-02-0	Nickel___	6.1			P	
7782-49-2	Selenium_	0.75	U	WN	F	UJ (8)
7440-22-4	Silver___	0.15	U		P	U
7440-28-0	Thallium_	0.28	B		F	
7440-62-2	Vanadium_	51.5			P	
7440-66-6	Zinc____	36.5		*	P	
7439-98-7	Molybdenu	1.6	B		P	
7439-97-6	Mercury__	0.02	B		CV	U (7)

SA 1-17-96

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1401._____

FORM I - IN ILM02.

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-009

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P_	U
7440-38-2	Arsenic__	1.8		SN	F_	J (8)
7440-39-3	Barium___	24.8			P_	
7440-41-7	Beryllium	0.06	B		P_	U (7)
7440-43-9	Cadmium__	0.15	U		P_	U
7440-47-3	Chromium_	6.2		E*	P_	J (16)
7440-48-4	Cobalt___	2.1	B		P_	
7440-50-8	Copper___	2.8			P_	
7439-92-1	Lead____	1.6			F_	
7440-02-0	Nickel___	2.1	B		P_	
7782-49-2	Selenium_	0.63	U	WN	F_	UJ (8)
7440-22-4	Silver___	0.13	U		P_	U
7440-28-0	Thallium_	0.14	B		F_	
7440-62-2	Vanadium_	17.9			P_	
7440-66-6	Zinc____	14.9		*	P_	
7439-98-7	Molybdenu	0.48	B		P_	U (7)
7439-97-6	Mercury__	0.02	B		CV	U (7)

SAL 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB1501._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1601

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-021

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _91.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.99	U	N	P	U
7440-38-2	Arsenic__	0.56	B	WN	F	U J (8,7)
7440-39-3	Barium___	15.4	B		P	
7440-41-7	Beryllium	0.06	B		P	U (7)
7440-43-9	Cadmium__	0.15	U		P	U
7440-47-3	Chromium_	6.4		E*	P	J (16)
7440-48-4	Cobalt___	1.3	B		P	
7440-50-8	Copper___	2.4	B		P	
7439-92-1	Lead____	0.95			F	
7440-02-0	Nickel___	2.0	B		P	
7782-49-2	Selenium_	0.07	U	WN	F	U J (8)
7440-22-4	Silver___	0.13	U		P	U
7440-28-0	Thallium_	0.11	B		F	
7440-62-2	Vanadium_	13.8			P	
7440-66-6	Zinc____	8.0		*	P	
7439-98-7	Molybdenu	0.33	B		P	U (7)
7439-97-6	Mercury__	0.01	B		CV	U (7)

SL 7-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1601._____

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-023

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _94.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.96	U	N	P	U
7440-38-2	Arsenic__	2.9		SN	F	~~X~~ J (S) ~~X~~ M
7440-39-3	Barium___	24.8			P	
7440-41-7	Beryllium	0.08	B		P	U (7)
7440-43-9	Cadmium__	0.15	U		P	U
7440-47-3	Chromium_	8.1		E*	P	J (16)
7440-48-4	Cobalt___	2.5	B		P	
7440-50-8	Copper___	3.9			P	
7439-92-1	Lead____	3.1			F	
7440-02-0	Nickel___	2.6	B		P	
7782-49-2	Selenium_	0.64	U	WN	F	U J (8)
7440-22-4	Silver___	0.13	U		P	U
7440-28-0	Thallium_	0.14	B		F	
7440-62-2	Vanadium_	19.9			P	
7440-66-6	Zinc____	22.7		*	P	
7439-98-7	Molybdenu	0.79	B		P	U (7)
7439-97-6	Mercury__	0.04			CV	U (7)

EA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB1701._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1801

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: GW01__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S106-025

Level (low/med): LOW__ Date Received: 09/07/95

% Solids: _94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	0.95	U	N	P_	U
7440-38-2	Arsenic__	0.62	B	WN	F_	U J (S,7)
7440-39-3	Barium___	21.1	B		P_	
7440-41-7	Beryllium	0.07	B		P_	U (7)
7440-43-9	Cadmium__	0.15	U		P_	U
7440-47-3	Chromium_	7.5		E*	P_	J (6)
7440-48-4	Cobalt___	1.8	B		P_	
7440-50-8	Copper___	3.1			P_	
7439-92-1	Lead____	1.1			F_	
7440-02-0	Nickel___	2.2	B		P_	
7782-49-2	Selenium_	0.06	U	WN	F_	U J (S)
7440-22-4	Silver___	0.13	U		P_	U
7440-28-0	Thallium_	0.11	B		F_	
7440-62-2	Vanadium_	18.7			P_	
7440-66-6	Zinc____	12.3		*	P_	
7439-98-7	Molybdenu	0.65	B		P_	U (7)
7439-97-6	Mercury__	0.01	B		CV	U (7)

SA 1-17-96

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1801._____

FORM I - IN ILM02.1

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: NTC San Diego, CTO 082

Collection Date: August 31 through September 6, 1995

LDC Report Date: January 10, 1996

Matrix: Soil/Water

Parameters: Halogenated Volatile Organics

Laboratory: Roy F. Weston

Sample Delivery Group (SDG): GW01

Sample Identification

082SB0101
082SB0301
082SB0201
082SB0501
082SB0701
082SB0401
082SB0601
082SB0801
082SB0901
082SB1001
082GW0101
082TB0101
082RB0101
082SB1102
082SB1202
082SB1302
082SB1402
082SB1502
082TB0201
082RB0201
082SB1602
082SB1702
082SB1802
082GW0202
082SB1102MS
082SB1102MSD
082GW0202MS
082GW0202MSD

Introduction

This data review covers 20 soil samples and 8 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA SW 846 Method 8010 for Halogenated Volatile Organics.

This review follows a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (February 1994) as there are no current guidelines for EPA SW 846 Method 8010. The modifications were based on EPA SW 846 Method 8010.

A table summarizing all data qualification flags is provided at the end of this report. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

U Indicates the compound or element was analyzed for but not detected at or above the stated limit.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

N Presumptive evidence of presence of the constituent.

UJ Indicates the compound or element was analyzed for but not detected. The sample detection limit is an estimated value.

I. Technical Holding Times

All technical holding time requirements were met.

II. Calibration

a. Initial Calibration

Initial calibration of analytes was performed for the primary (quantitation) column and confirmation column as required by this method.

A curve fit, based on the initial calibration, was established for quantitation. The coefficient of determination (r^2) was greater than or equal to 0.990 with the following exceptions:

Date	Column	Compound	r^2	Associated Samples	Flag	A or P
8/28/95	RTX-1	Bromoform	0.9789	082GW0101 082TB0101 082RB0101 TBLK PA	J	P
9/14/95	RTX-502	2-Chloroethylvinyl ether	0.9847	082TB0201 082RB0201 082GW0202 082GW0202MS 082GW0202MSD TBLK OF.	J	P
9/13/95	RTX-1	Chloromethane	0.7334	All soil samples in SDG GW01	J	P
9/13/95	RTX-502 RTX-502	Chloromethane Vinyl chloride	0.4791 0.9628	All soil samples in SDG GW01	J J	P

b. Calibration Verification

Calibration verification was performed at the required frequencies.

The percent differences (%D) of calibration factors in continuing standard mixtures were within the 15.0% QC limits with the following exceptions:

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/14/95	HVOI1-64742-L3	RTX-1	Trichlorofluoromethane 1,1-Dichloroethene Chloroform	17 17 17	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 TBLK OE	J J J	P
9/14/95	HVOI2-64742-L3	RTX-1	Chloromethane Chloroethane	49 27	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 TBLK OE	J J	P
9/14/95	HVOI1-64742-L3	RTX-1	Chlorobenzene	61	082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1102MS 082SB1102MSD	J	P
9/15/95.	HVOI2-64742-L3	RTX-1	Chloromethane Bromomethane Vinyl chloride Chloroethane trans-1,2-Dichloroethene 1,2-Dichloroethane 1,1,1-Trichloroethane Bromodichloromethane	47 121 147 61 29 27 17 20	082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1102MS 082SB1102MSD	J J J J J J J J	P
9/15/95	HVOI2-64742-L3	RTX-1	Chloromethane Bromomethane Vinyl Chloride Chloroethane 1,1,1-Trichloroethane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2,2-Tetrachloroethane 1,2-Dichlorobenzene 1,4-Dichlorobenzene	325 46 57 60 21 20 20 21 17 18 17	082SB1502 082SB1602 082SB1702 082SB1802	J J J J J J J J J J J	P
9/15/95	HVOI1-64742-L3	RTX-1	Chlorobenzene	80	082SB1502 082SB1602 082SB1702 082SB1802	J	P

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/14/95	HVOI1-64742-L3	RTX-502	Dichloromethane	20	082SB0101	J	P
			Trichlorofluoromethane	26	082SB0301	J	
			1,1-Dichloroethene	22	082SB0201	J	
			cis-1,2-Dichloroethene	19	082SB0501	J	
			Carbon tetrachloride	16	082SB0701	J	
			Trichloroethene	18	082SB0401	J	
			1,1,2-Trichloroethane	16	082SB0601	J	
			Dibromochloromethane	16	TBLK OE	J	
			2-Chloroethylvinyl ether	22		J	
			Chlorobenzene	35		J	
9/14/95	HVOI2-64742-L3	RTX-502	Chloromethane	77	082SB0101	J	P
			Chloroethane	24	082SB0301	J	
					082SB0201		
					082SB0501		
					082SB0701		
					082SB0401		
					082SB0601		
					TBLK OE		
9/14/95	HVOI1-64742-L3	RTX-502	Dichloromethane	44	082SB0801	J	P
			Trichlorofluoromethane	16	082SB0901	J	
			1,1-Dichloroethene	33	082SB1001	J	
			cis-1,2-Dichloroethene	27	082SB1102	J	
			1,2-Dichloropropane	16	082SB1202	J	
			Trichloroethene	38	082SB1302	J	
			2-Chloroethylvinyl ether	44	082SB1402	J	
			Tetrachloroethene	25	082SB1102MS	J	
			Chlorobenzene	63	082SB1102MSD	J	
9/15/95	HVOI2-64742-L3	RTX-502	Chloromethane	83	082SB0801	J	P
			Bromomethane	17	082SB0901	J	
			Vinyl chloride	26	082SB1001	J	
			Chloroethane	37	082SB1102	J	
			1,2-Dichloroethane	33	082SB1202	J	
			Bromodichloromethane	17	082SB1302	J	
			1,3-Dichlorobenzene	43	082SB1402	J	
			1,2-Dichlorobenzene	52	082SB1102MS	J	
			1,4-Dichlorobenzene	44	082SB1102MSD	J	
9/15/95	HVOI2-64742-L3	RTX-502	Chloromethane	89	082SB1502	J	P
			Chloroethane	52	082SB1602	J	
			trans-1,2-Dichloroethene	38	082SB1702	J	
			1,2-Dichloroethane	50	082SB1802	J	
			1,1,1-Trichloroethane	28		J	
			Bromodichloromethane	20		J	
			cis-1,3-Dichloropropene	21		J	
			trans-1,3-Dichloropropene	22		J	
			1,3-Dichlorobenzene	61		J	
			1,2-Dichlorobenzene	66		J	
			1,4-Dichlorobenzene	62		J	

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/15/95	HVOI1-64742-L3	RTX-502	Dichloromethane	48	082SB1502	J	P
			Trichlorofluoromethane	18	082SB1602	J	
			1,1-Dichloroethene	37	082SB1702	J	
			1,1-Dichloroethane	17	082SB1802	J	
			cis-1,2-Dichloroethene	31		J	
			1,2-Dichloropropane	32		J	
			Trichloroethene	57		J	
			1,1,2-Trichloroethane	25		J	
			2-Chloroethylvinyl ether	52		J	
			Tetrachloroethene	40		J	
			Chlorobenzene	75		J	
9/12/95	HVOI2-64742-L3	RTX-1	1,4-Dichlorobenzene	25	082GW0101 082TB0101 082RB0101 TBLK PA	J	P
9/12/95	HVOI1-64742-L3	RTX-1	Chloroform	24	082GW0101	J	P
			Trichloroethene	20	082TB0101	J	
			2-Chloroethylvinyl ether	51	082RB0101	J	
			Tetrachloroethene	16	TBLK PA	J	
9/18/95	HVOI1-64742-L3	RTX-1	Trichlorofluoromethane	29	082TB0201	J	P
			1,1-Dichloroethene	20	082RB0201	J	
			2-Chloroethylvinyl ether	68	TBLK OF	J	
9/18/95	HVOI2-64742-L3	RTX-1	Chloromethane	28	082TB0201	J	P
			Chloroethane	28	082RB0201	J	
			1,1,2,2-Tetrachloroethane	21	TBLK OF	J	
			1,2-Dichlorobenzene	31		J	
9/19/95	HVOI1-64742-L3	RTX-1	Dichloromethane	23	082GW0202	J	P
			2-Chloroethylvinyl ether	89	082GW0202MS 082GW0202MSD	J	
9/19/95	HVOI1-64742-L3	RTX-1	Chloromethane	43	082GW0202	J	P
			Chloroethane	17	082GW0202MS	J	
			1,3-Dichlorobenzene	16	082GW0202MSD	J	
			1,4-Dichlorobenzene	32		J	
9/18/95	HVOI1-64742-L3	RTX-502	Trichlorofluoromethane	33	082TB0201	J	P
			1,1-Dichloroethene	21	082RB0201	J	
			Dibromochloromethane	77	TBLK OF	J	
9/18/95	HVOI2-64742-L3	RTX-502	Chloromethane	59	082TB0201	J	P
			Vinyl chloride	20	082RB0201	J	
			Bromodichloromethane	18	TBLK OF	J	
			1,3-Dichlorobenzene	17		J	
			1,4-Dichlorobenzene	24		J	

Date	Standard	Column	Compound	%D	Associated Samples	Flag	A or P
9/19/95	HVOI1-64742-L3	RTX-502	Trichlorofluoromethane Carbon tetrachloride 1,2-Dichloropropane Dibromochloromethane	24 18 21 Not calculated	082GW0202 082GW0202MS 082GW0202MSD	J J J	P
9/19/95	HVOI2-64742-L3	RTX-502	Chloromethane Bromodichloromethane Bromoform 1,3-Dichlorobenzene 1,4-Dichlorobenzene	68 26 Not calculated 29 18	082GW0202 082GW0202MS 082GW0202MSD	J J J J J	P

III. Blanks

Method blanks were reviewed for each matrix as applicable. No halogenated volatile organic contaminants were found in the method blanks.

IV. Accuracy and Precision Data

a. Surrogate Recovery

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries were within QC limits with the following exceptions:

Sample	Column	Surrogate	%R (Limits)	Compound	Flag	A or P
082SB1302	RTX-1	1,2,4-Trichlorobenzene	97 (11-93)	All TCL compounds	J (all detects)	A

b. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Sample (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
082SB1102MS/MSD (All soil samples in SDG GW01)	Chlorobenzene Chloroethane Vinyl chloride	131 (73-123) 146 (46-137) 170 (28-163)	- 144 (46-137) 172 (28-163)	- - -	J (all detects) J (all detects) J (all detects)	A
082GW0202MS/MSD (All water samples in SDG GW01)	Bromomethane	56 (63-131)	61 (63-131)	-	J	A

c. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) and relative percent differences (RPD) were within validation criteria with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Flag	A or P
TBLK PA LCS/LCSD (082GW0101 082TB0101 082RB0101 TBLK PA)	Bromomethane	126 (68-125)	130 (68-125)	-	J (all detects)	A
	Carbon tetrachloride	-	132 (70-130)	-	J (all detects)	
	Chloroethane	134 (64-129)	146 (64-129)	-	J (all detects)	
	Chloroform	130 (70-126)	135 (70-126)	-	J (all detects)	
	Chloromethane	146 (46-119)	154 (46-119)	-	J (all detects)	
	Dichloromethane	-	134 (64-132)	-	J (all detects)	
	1,2-Dichloropropane	-	131 (63-128)	-	J (all detects)	
	Tetrachloroethene	128 (73-127)	129 (73-127)	-	J (all detects)	
	Trichloroethene	-	134 (66-132)	-	J (all detects)	
	Vinyl chloride	-	136 (52-135)	22 (≤20)	J	
TBLK OF LCS/LCSD (082TB0201 082RB0201 082GW0202 TBLK OF)	Bromomethane	65 (68-125)	60 (68-125)	-	J	A
	Chloroform	-	131 (70-126)	-	J (all detects)	
TBLK OE LCS/LCSD (All soil samples in SDG GW01)	Carbon tetrachloride	-	128 (63-125)	-	J (all detects)	A
	Vinyl chloride	172 (28-163)	206 (28-163)	-	J (all detects)	

V. Target Compound Identification

Raw data were not reviewed for this SDG.

VI. Compound Quantitation and CRQLs

Raw data were not reviewed for this SDG.

VII. System Performance

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Field Blanks

Samples 082TB0101 and 082TB0201 were identified as trip blanks. No halogenated volatile organic contaminants were found in these blanks.

Samples 082RB0101 and 082RB0201 were identified as rinsate blanks. No halogenated volatile organic contaminants were found in these blanks.

NTC San Diego, CTO 082
Halogenated Volatile Organics - Data Qualification Summary - SDG GW01

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082GW0101 082TB0101 082RB0101	Bromoform	J	P	Initial calibration (r^2)
GW01	082TB0201 082RB0201 082GW0202	2-Chloroethylvinyl ether	J	P	Initial calibration (r^2)
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	Chloromethane Vinyl chloride	J J	P	Initial calibration (r^2)
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601	Trichlorofluoromethane 1,1-Dichloroethene Chloroform Chloromethane Chloroethane	J J J J J	P	Calibration verification (%D)
GW01	082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402	Chlorobenzene Chloromethane Bromomethane Vinyl chloride Chloroethane trans-1,2-Dichloroethene 1,2-Dichloroethane 1,1,1-Trichloroethane Bromodichloromethane	J J J J J J J J J	P	Calibration verification (%D)

CTO-082 INTERNAL DATA EVALUATION

SDG:_SC07____ PARAMETER:___BTEX (8020)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

Due to inadequate sample volume, an MS/MSD pair was not performed in this SDG.

LCS/LCSD RECOVERIES

Three pairs of LCS/LCSD were performed due to a lack of MS/MSD. All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

The percent difference (%D) for Xylenes was slightly high and outside of the acceptance criteria in one of the continuing calibrations. As this compound was not detected in any of the associated samples and the analytical system showed an increase in sensitivity, no data is considered to be unusable due to this occurrence

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SC07____ PARAMETER:___TPH (8015-M)_____

METHOD BLANKS

Hydrocarbons were detected in the method blanks associated with this SDG at the following concentrations:
Waters (ug/L) - No hydrocarbons were reported above the detection limits.
Soils (mg/Kg) - 1.9

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

The surrogate recovery value in the rinseate blank was high and outside the acceptance window for this method. The sample was reanalyzed and showed similar results. The data was not qualified based on this occurrence.

MS/MSD RECOVERIES

Recovery criteria were met for the MS/MSD pairs associated with this SDG.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SC07____ PARAMETER:___GAS (8015-M)_____

METHOD BLANKS

Gasoline was not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

212 FRANK WEST CIRCLE
SUITE A
STOCKTON, CA 95206
PHONE: (209) 983-1340
FAX: 209-983-0304

S01D

BECHTEL CTO 082
SDG# GW05
RFW# 9509S111

DATA QUALIFIERS

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1502	Chloromethane	J	P	Calibration verification (%D)
	082SB1602	Bromomethane	J		
	082SB1702	Vinyl Chloride	J		
	082SB1802	Chloroethane	J		
		1,1,1-Trichloroethane	J		
		Bromodichloromethane	J		
		cis-1,3-Dichloropropene	J		
		trans-1,3-Dichloropropene	J		
		1,1,2,2-Tetrachloroethane	J		
		1,2-Dichlorobenzene	J		
		1,4-Dichlorobenzene	J		
		Chlorobenzene	J		
GW01	082SB0101	Dichloromethane	J	P	Calibration verification (%D)
	082SB0301	Trichlorofluoromethane	J		
	082SB0201	1,1-Dichloroethene	J		
	082SB0501	cis-1,2-Dichloroethene	J		
	082SB0701	Carbon tetrachloride	J		
	082SB0401	Trichloroethene	J		
	082SB0601	1,1,2-Trichloroethane	J		
		Dibromochloromethane	J		
		2-Chloroethylvinyl ether	J		
		Chlorobenzene	J		
		Chloromethane	J		
		Chloroethane	J		
GW01	082SB0801	Dichloromethane	J	P	Calibration verification (%D)
	082SB0901	Trichlorofluoromethane	J		
	082SB1001	1,1-Dichloroethene	J		
	082SB1102	cis-1,2-Dichloroethene	J		
	082SB1202	1,2-Dichloropropane	J		
	082SB1302	Trichloroethene	J		
	082SB1402	2-Chloroethylvinyl ether	J		
		Tetrachloroethene	J		
		Chlorobenzene	J		
		Chloromethane	J		
		Bromomethane	J		
		Vinyl chloride	J		
		Chloroethane	J		
		1,2-Dichloroethane	J		
		Bromodichloromethane	J		
		1,3-Dichlorobenzene	J		
		1,2-Dichlorobenzene	J		
		1,4-Dichlorobenzene	J		

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB1502 082SB1602 082SB1702 082SB1802	Chloromethane Chloroethane trans-1,2-Dichloroethene 1,2-Dichloroethane 1,1,1-Trichloroethane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,3-Dichlorobenzene 1,2-Dichlorobenzene 1,4-Dichlorobenzene Dichloromethane Trichlorofluoromethane 1,1-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 1,2-Dichloropropane Trichloroethene 1,1,2-Trichloroethane 2-Chloroethylvinyl ether Tetrachloroethene Chlorobenzene	J J J J J J J J J J J J J J J J J J J J J J	P	Calibration verification (%D)
GW01	082GW0101 082TB0101 082RB0101	1,4-Dichlorobenzene Chloroform Trichloroethene 2-Chloroethylvinyl ether Tetrachloroethene	J J J J J	P	Calibration verification (%D)
GW01	082TB0201 082RB0201	Trichlorofluoromethane 1,1-Dichloroethene 2-Chloroethylvinyl ether Chloromethane Chloroethane 1,1,2,2-Tetrachloroethane 1,2-Dichlorobenzene	J J J J J J J	P	Calibration verification (%D)
GW01	082GW0202	Dichloromethane 2-Chloroethylvinyl ether Chloromethane Chloroethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	J J J J J J	P	Calibration verification (%D)
GW01	082TB0201 082RB0201	Trichlorofluoromethane 1,1-Dichloroethene Dibromochloromethane Chloromethane Vinyl chloride Bromodichloromethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene	J J J J J J J J	P	Calibration verification (%D)

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082GW0202	Trichlorofluoromethane Carbon tetrachloride 1,2-Dichloropropane Dibromochloromethane Chloromethane Bromodichloromethane Bromoform 1,3-Dichlorobenzene 1,4-Dichlorobenzene	J J J J J J J J J	P	Calibration verification (%D)
GW01	082SB1302	All TCL compounds	J (all detects)	A	Surrogate recovery (%R)
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	Chlorobenzene Chloroethane Vinyl chloride	J (all detects) J (all detects) J (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
GW01	082GW0101 082TB0101 082RB0101 082TB0201 082RB0201 082GW0202	Bromomethane	J	A	Matrix spike/Matrix spike duplicates (%R)
GW01	082GW0101 082TB0101 082RB0101	Bromomethane Carbon tetrachloride Chloroethane Chloroform Chloromethane Dichloromethane 1,2-Dichloropropane Tetrachloroethene Trichloroethene Vinyl chloride	J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J (all detects) J	A	Laboratory control samples (%R) (RPD)
GW01	082TB0201 082RB0201 082GW0202	Bromomethane Chloroform	J J (all detects)	A	Laboratory control samples (%R)

SDG	Sample	Compound	Flag	A or P	Reason
GW01	082SB0101 082SB0301 082SB0201 082SB0501 082SB0701 082SB0401 082SB0601 082SB0801 082SB0901 082SB1001 082SB1102 082SB1202 082SB1302 082SB1402 082SB1502 082SB1602 082SB1702 082SB1802	Carbon tetrachloride Vinyl chloride	J (all detects) J (all detects)	A	Laboratory control samples (%R)

NTC San Diego, CTO 082
Halogenated Volatile Organics - Laboratory Blank Data Qualification Summary - SDG GW01

No Sample Data Qualified in this SDG

1721 A 51

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.35

% Moisture: 4 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	U
75-25-2	Bromoform	0.0020	U	↓
74-83-9	Bromomethane	0.0020	U	↓
56-23-5	Carbon Tetrachloride	0.0020	U	UJ (5B)
108-90-7	Chlorobenzene	0.0020	U	UJ (5B)
75-00-3	Chloroethane	0.0020	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0020	U	UJ (5B)
67-66-3	Chloroform	0.0020	U	UJ (5B)
74-87-3	Chloromethane	0.0020	U	UJ (5A,5B)
124-48-1	Dibromochloromethane	0.0020	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0020	U	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	↓
106-46-7	1,4-Dichlorobenzene	0.0020	U	↓
75-34-3	1,1-Dichloroethane	0.0020	U	↓
107-06-2	1,2-Dichloroethane	0.0020	U	↓
75-35-4	1,1-Dichloroethene	0.0020	U	UJ(5B)
156-59-2	cis-1,2-Dichloroethene	0.0020	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0020	U	U
75-09-2	Dichloromethane	0.0020	U	UJ(5B)
78-87-5	1,2-Dichloropropane	0.0020	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	↓
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	↓
127-18-4	Tetrachloroethene	0.0020	U	↓
71-55-6	1,1,1-Trichloroethane	0.0020	U	↓
79-00-5	1,1,2-Trichloroethane	0.0020	U	UJ (5B)
79-01-6	Trichloroethene	0.0020	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0020	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0020	U	UJ (5A)

CA 1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0301

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-003

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.41

% Moisture: 4 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	U
75-25-2	Bromoform	0.0020	U	
74-83-9	Bromomethane	0.0020	U	
56-23-5	Carbon Tetrachloride	0.0020	U	UJ (5B)
108-90-7	Chlorobenzene	0.0020	U	UJ (5B)
75-00-3	Chloroethane	0.0020	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0020	U	UJ (5B)
67-66-3	Chloroform	0.0020	U	UJ (5B)
74-87-3	Chloromethane	0.0020	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0020	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0020	U	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	
106-46-7	1,4-Dichlorobenzene	0.0020	U	
75-34-3	1,1-Dichloroethane	0.0020	U	
107-06-2	1,2-Dichloroethane	0.0020	U	
75-35-4	1,1-Dichloroethene	0.0020	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0020	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0020	U	U
75-09-2	Dichloromethane	0.0020	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0020	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	
127-18-4	Tetrachloroethene	0.0020	U	
71-55-6	1,1,1-Trichloroethane	0.0020	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0020	U	UJ (5B)
79-01-6	Trichloroethene	0.0020	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0020	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0020	U	UJ (5A)

UA 1-14-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0201

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-005

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.37

% Moisture: 31 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0028	U	U
75-25-2	Bromoform	0.0028	U	
74-83-9	Bromomethane	0.0028	U	
56-23-5	Carbon Tetrachloride	0.0028	U	UJ 5B
108-90-7	Chlorobenzene	0.0028	U	UJ 5B
75-00-3	Chloroethane	0.0028	U	UJ 5B
110-75-8	2-Chloroethylvinylether	0.0028	U	UJ 5B
67-66-3	Chloroform	0.0028	U	UJ 5B
74-87-3	Chloromethane	0.0028	U	UJ 5A, 5B
124-48-1	Dibromochloromethane	0.0028	U	UJ 5B
95-50-1	1,2-Dichlorobenzene	0.0028	U	U
541-73-1	1,3-Dichlorobenzene	0.0028	U	
106-46-7	1,4-Dichlorobenzene	0.0028	U	
75-34-3	1,1-Dichloroethane	0.0028	U	
107-06-2	1,2-Dichloroethane	0.0028	U	
75-35-4	1,1-Dichloroethene	0.0028	U	UJ 5B
156-59-2	cis-1,2-Dichloroethene	0.0028	U	UJ 5B
156-60-5	trans-1,2-Dichloroethene	0.0028	U	U
75-09-2	Dichloromethane	0.0028	U	UJ 5B
78-87-5	1,2-Dichloropropane	0.0028	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0028	U	
10061-02-6	trans-1,3-Dichloropropene	0.0028	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0028	U	
127-18-4	Tetrachloroethene	0.0028	U	
71-55-6	1,1,1-Trichloroethane	0.0028	U	
79-00-5	1,1,2-Trichloroethane	0.0028	U	UJ 5B
79-01-6	Trichloroethene	0.0028	U	UJ 5B
75-69-4	Trichlorofluoromethane	0.0028	U	UJ 5B
75-01-4	Vinyl Chloride	0.0028	U	UJ 5A

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0501

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-007

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.38

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	U
75-25-2	Bromoform	0.0022	U	
74-83-9	Bromomethane	0.0022	U	
56-23-5	Carbon Tetrachloride	0.0022	U	UJ (5B)
108-90-7	Chlorobenzene	0.0022	U	UJ (5B)
75-00-3	Chloroethane	0.0022	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0022	U	UJ (5B)
67-66-3	Chloroform	0.0022	U	UJ (5B)
74-87-3	Chloromethane	0.0022	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0022	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0022	U	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	
106-46-7	1,4-Dichlorobenzene	0.0022	U	
75-34-3	1,1-Dichloroethane	0.0022	U	
107-06-2	1,2-Dichloroethane	0.0022	U	
75-35-4	1,1-Dichloroethene	0.0022	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0022	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0022	U	U
75-09-2	Dichloromethane	0.0022	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0022	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	
127-18-4	Tetrachloroethene	0.0022	U	
71-55-6	1,1,1-Trichloroethane	0.0022	U	
79-00-5	1,1,2-Trichloroethane	0.0022	U	UJ (5B)
79-01-6	Trichloroethene	0.0022	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0022	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0022	U	UJ (5A)

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0701

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-009

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.39

% Moisture: 6 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	U
75-25-2	Bromoform	0.0022	U	
74-83-9	Bromomethane	0.0022	U	
56-23-5	Carbon Tetrachloride	0.0022	U	UJ (5B)
108-90-7	Chlorobenzene	0.0022	U	UJ (5B)
75-00-3	Chloroethane	0.0022	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0022	U	UJ (5B)
67-66-3	Chloroform	0.0022	U	UJ (5B)
74-87-3	Chloromethane	0.0022	U	UJ (5A,5B)
124-48-1	Dibromochloromethane	0.0022	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0022	U	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	
106-46-7	1,4-Dichlorobenzene	0.0022	U	
75-34-3	1,1-Dichloroethane	0.0022	U	UJ
107-06-2	1,2-Dichloroethane	0.0022	U	U
75-35-4	1,1-Dichloroethene	0.0022	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0022	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0022	U	U
75-09-2	Dichloromethane	0.0022	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0022	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	
127-18-4	Tetrachloroethene	0.0022	U	
71-55-6	1,1,1-Trichloroethane	0.0022	U	
79-00-5	1,1,2-Trichloroethane	0.0022	U	UJ (5B)
79-01-6	Trichloroethene	0.0022	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0022	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0022	U	UJ (5A)

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0401

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-011

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.40

% Moisture: 30 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0028	U	U
75-25-2	Bromoform	0.0028	U	
74-83-9	Bromomethane	0.0028	U	
56-23-5	Carbon Tetrachloride	0.0028	U	UJ (5B)
108-90-7	Chlorobenzene	0.0028	U	UJ (5B)
75-00-3	Chloroethane	0.0028	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0028	U	UJ (5B)
67-66-3	Chloroform	0.0028	U	UJ (5B)
74-87-3	Chloromethane	0.0028	U	UJ (5A) B
124-48-1	Dibromochloromethane	0.0028	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0028	U	U
541-73-1	1,3-Dichlorobenzene	0.0028	U	
106-46-7	1,4-Dichlorobenzene	0.0028	U	
75-34-3	1,1-Dichloroethane	0.0028	U	
107-06-2	1,2-Dichloroethane	0.0028	U	
75-35-4	1,1-Dichloroethene	0.0028	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0028	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0028	U	U
75-09-2	Dichloromethane	0.0028	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0028	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0028	U	
10061-02-6	trans-1,3-Dichloropropene	0.0028	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0028	U	
127-18-4	Tetrachloroethene	0.0028	U	
71-55-6	1,1,1-Trichloroethane	0.0028	U	
79-00-5	1,1,2-Trichloroethane	0.0028	U	UJ (5B)
79-01-6	Trichloroethene	0.0028	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0028	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0028	U	UJ (5A)

SA
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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB060I

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-013

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.42

% Moisture: 18 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/14/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	U
75-25-2	Bromoform	0.0024	U	
74-83-9	Bromomethane	0.0024	U	
56-23-5	Carbon Tetrachloride	0.0024	U	UJ (5B)
108-90-7	Chlorobenzene	0.0024	U	UJ (5B)
75-00-3	Chloroethane	0.0024	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0024	U	UJ (5B)
67-66-3	Chloroform	0.0024	U	UJ 5B
74-87-3	Chloromethane	0.0024	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	0.0024	U	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	
106-46-7	1,4-Dichlorobenzene	0.0024	U	
75-34-3	1,1-Dichloroethane	0.0024	U	
107-06-2	1,2-Dichloroethane	0.0024	U	
75-35-4	1,1-Dichloroethene	0.0024	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0024	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0024	U	U
75-09-2	Dichloromethane	0.0024	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0024	U	U
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	
127-18-4	Tetrachloroethene	0.0024	U	
71-55-6	1,1,1-Trichloroethane	0.0024	U	
79-00-5	1,1,2-Trichloroethane	0.0024	U	UJ (5B)
79-01-6	Trichloroethene	0.0024	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0089		J (5B)
75-01-4	Vinyl Chloride	0.0024	U	UJ (5A)

1-17-96

1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0801

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-015

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.45

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0026	U	UJ (5B)
75-25-2	Bromoform	0.0026	U	U
74-83-9	Bromomethane	0.0026	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0026	U	U
108-90-7	Chlorobenzene	0.0026	U	UJ (5B)
75-00-3	Chloroethane	0.0026	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0026	U	UJ (5B)
67-66-3	Chloroform	0.0026	U	U
74-87-3	Chloromethane	0.0026	U	UJ (5BA,)
124-48-1	Dibromochloromethane	0.0026	U	U
95-50-1	1,2-Dichlorobenzene	0.0026	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0026	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	0.0026	U	UJ (5B)
75-34-3	1,1-Dichloroethane	0.0026	U	U
107-06-2	1,2-Dichloroethane	0.0026	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0026	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0026	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0026	U	UJ (5B)
75-09-2	Dichloromethane	0.0026	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0026	U	UJ (5B)
10061-01-5	cis-1,3-Dichloropropene	0.0026	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0026	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0026	U	↓
127-18-4	Tetrachloroethene	0.0026	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0026	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0026	U	U
79-01-6	Trichloroethene	0.0026	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0026	U	UJ (5B)
75-01-4	Vinyl Chloride	0.0026	U	UJ (5BA, 5B)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB0901

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-017

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.46

% Moisture: 4 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	UJ (5B)
75-25-2	Bromoform	0.0020	U	U
74-83-9	Bromomethane	0.0020	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0020	U	U
108-90-7	Chlorobenzene	0.0020	U	UJ (5B)
75-00-3	Chloroethane	0.0020	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0020	U	UJ (5B)
67-66-3	Chloroform	0.0020	U	U
74-87-3	Chloromethane	0.0020	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0020	U	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0020	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	0.0020	U	UJ (5B)
75-34-3	1,1-Dichloroethane	0.0020	U	U
107-06-2	1,2-Dichloroethane	0.0020	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0020	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	0.0020	U	UJ (5B)
156-60-5	trans-1,2-Dichloroethene	0.0020	U	UJ (5B)
75-09-2	Dichloromethane	0.0020	U	UJ (5B)
78-87-5	1,2-Dichloropropane	0.0020	U	UJ (5B)
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	UJ (5B)
127-18-4	Tetrachloroethene	0.0020	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0020	U	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	UJ (5B)
79-01-6	Trichloroethene	0.0020	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0020	U	UJ (5A, 5B)
75-01-4	Vinyl Chloride	0.0020	U	

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1001

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S091-019

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.47

% Moisture: 17 decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	UJ (5B)
75-25-2	Bromoform	0.0024	U	U
74-83-9	Bromomethane	0.0024	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0024	U	U
108-90-7	Chlorobenzene	0.0024	U	UJ (5B)
75-00-3	Chloroethane	0.0024	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	0.0024	U	UJ (5B)
67-66-3	Chloroform	0.0024	U	U
74-87-3	Chloromethane	0.0024	U	UJ (5A, 5
124-48-1	Dibromochloromethane	0.0024	U	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0024	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	0.0024	U	UJ (5B)
75-34-3	1,1-Dichloroethane	0.0024	U	U
107-06-2	1,2-Dichloroethane	0.0024	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0024	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0024	U	↓ ↓ ↓
156-60-5	trans-1,2-Dichloroethene	0.0024	U	↓ ↓ ↓
75-09-2	Dichloromethane	0.0024	U	↓ ↓ ↓
78-87-5	1,2-Dichloropropane	0.0024	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	↓
127-18-4	Tetrachloroethene	0.0024	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0024	U	U
79-01-6	Trichloroethene	0.0024	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0024	U	↓ ↓ (5B)
75-01-4	Vinyl Chloride	0.0024	U	↓ ↓ (5A, 5B)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S091-021

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091201.09

% Moisture: decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/12/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/12/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	U
75-25-2	Bromoform	1.0	U	U J (5A)
74-83-9	Bromomethane	1.0	U	U J ~~(5A)~~
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
110-75-8	2-Chloroethylvinylether	1.0	U	U J (5B)
67-66-3	Chloroform	1.0	U	U J (5B)
74-87-3	Chloromethane	1.0	U	U
124-48-1	Dibromochloromethane	30 ~~1.0~~	U	CM 10/11/95
95-50-1	1,2-Dichlorobenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	U J (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
75-09-2	Dichloromethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	U J (5B)
71-55-6	1,1,1-Trichloroethane	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	U
79-01-6	Trichloroethene	1.0	U	U J (5B)
75-69-4	Trichlorofluoromethane	1.0	U	U
75-01-4	Vinyl Chloride	1.0	U	U J (10)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082TB0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S091-025

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091201.10

% Moisture: decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/12/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/12/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	U
75-25-2	Bromoform	1.0	U	UJ (5A)
74-83-9	Bromomethane	1.0	U	UJ (8)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
110-75-8	2-Chloroethylvinylether	1.0	U	UJ ~~5A~~ (5B)
67-66-3	Chloroform	1.0	U	UJ (5B)
74-87-3	Chlomomethane	1.0	U	U
124-48-1	Dibromochloromethane	30 ~~1.0~~	U	CM 10/11/95
95-50-1	1,2-Dichlorobenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	UJ (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
75-09-2	Dichloromethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	U
79-01-6	Trichloroethene	1.0	U	UJ (5B)
75-69-4	Trichlorofluoromethane	1.0	U	U
75-01-4	Vinyl Chloride	1.0	U	UJ (10)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0101

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S091-027

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091201.11

% Moisture: decanted: (Y/N) _ Date Received: 09/05/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/12/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/12/95

Injection Volume: 5.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	U
75-25-2	Bromoform	1.0	U	UJ (5A)
74-83-9	Bromomethane	1.0	U	UJ (5)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5B)
67-66-3	Chloroform	1.0	U	UJ (5B)
74-87-3	Chloromethane	1.0	U	
124-48-1	Dibromochloromethane	3.0 ~~1.0~~	U	CM 10/11/95
95-50-1	1,2-Dichlorobenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	UJ (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
75-09-2	Dichloromethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	1.0	U	U
79-00-5	1,1,2-Trichloroethane	1.0	U	U
79-01-6	Trichloroethene	1.0	U	UJ (5B)
75-69-4	Trichlorofluoromethane	1.0	U	U
75-01-4	Vinyl Chloride	1.0	U	UJ (10)

GL 1-17-96

FORM 1 ORG 3/90 (V4.02)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1102

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.48

% Moisture: 5 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	u J (5B)
75-25-2	Bromoform	0.0022	U	u
74-83-9	Bromomethane	0.0022	U	u J (5B)
56-23-5	Carbon Tetrachloride	0.0022	U	u
108-90-7	Chlorobenzene	0.0022	U	u J (5B)
75-00-3	Chloroethane	0.0022	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0022	U	
67-66-3	Chloroform	0.0022	U	u
74-87-3	Chloromethane	0.0022	U	u J (5A, 5
124-48-1	Dibromochloromethane	0.0022	U	u
95-50-1	1,2-Dichlorobenzene	0.0022	U	u J (5B)
541-73-1	1,3-Dichlorobenzene	0.0022	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0022	U	
75-34-3	1,1-Dichloroethane	0.0022	U	u
107-06-2	1,2-Dichloroethane	0.0022	U	u J (5B)
75-35-4	1,1-Dichloroethene	0.0022	U	
156-59-2	cis-1,2-Dichloroethene	0.0022	U	
156-60-5	trans-1,2-Dichloroethene	0.0022	U	
75-09-2	Dichloromethane	0.0022	U	
78-87-5	1,2-Dichloropropane	0.0022	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	u
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	↓
127-18-4	Tetrachloroethene	0.0022	U	u J (5B)
71-55-6	1,1,1-Trichloroethane	0.0022	U	u J (5B)
79-00-5	1,1,2-Trichloroethane	0.0022	U	u
79-01-6	Trichloroethene	0.0022	U	u J (5B)
75-69-4	Trichlorofluoromethane	0.0021	J	J (8, 5B)
75-01-4	Vinyl Chloride	0.0022	U	u J (5B)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-004

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.51

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	u J (5B)
75-25-2	Bromoform	0.0024	U	u
74-83-9	Bromomethane	0.0024	U	u J (5B)
56-23-5	Carbon Tetrachloride	0.0024	U	u
108-90-7	Chlorobenzene	0.0024	U	u J (5B)
75-00-3	Chloroethane	0.0024	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0024	U	
67-66-3	Chloroform	0.0024	U	u
74-87-3	Chloromethane	0.0024	U	u J (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	u
95-50-1	1,2-Dichlorobenzene	0.0024	U	u J (5B)
541-73-1	1,3-Dichlorobenzene	0.0024	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0024	U	
75-34-3	1,1-Dichloroethane	0.0024	U	u
107-06-2	1,2-Dichloroethane	0.0024	U	u J (5B)
75-35-4	1,1-Dichloroethene	0.0024	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0024	U	
156-60-5	trans-1,2-Dichloroethene	0.0024	U	
75-09-2	Dichloromethane	0.0024	U	
78-87-5	1,2-Dichloropropane	0.0024	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	u
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	↓
127-18-4	Tetrachloroethene	0.0024	U	u J (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	u J (5B)
79-00-5	1,1,2-Trichloroethane	0.0024	U	u
79-01-6	Trichloroethene	0.0024	U	u J (5B)
75-69-4	Trichlorofluoromethane	0.0024	U	↓ ↓ ↓
75-01-4	Vinyl Chloride	0.0024	U	↓ ↓ ↓ (5A)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1302

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-006

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.52

% Moisture: 0 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	u J (5B)
75-25-2	Bromoform	0.0020	U	u
74-83-9	Bromomethane	0.0020	U	u J (5B)
56-23-5	Carbon Tetrachloride	0.0020	U	u
108-90-7	Chlorobenzene	0.0020	U	u J (5B)
75-00-3	Chloroethane	0.0020	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0020	U	
67-66-3	Chloroform	0.0020	U	u
74-87-3	Chloromethane	0.0020	U	u J (5A)
124-48-1	Dibromochloromethane	0.0020	U	u
95-50-1	1,2-Dichlorobenzene	0.0020	U	u J (5B)
541-73-1	1,3-Dichlorobenzene	0.0020	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0020	U	
75-34-3	1,1-Dichloroethane	0.0020	U	u
107-06-2	1,2-Dichloroethane	0.0020	U	u J (5B)
75-35-4	1,1-Dichloroethene	0.0020	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0020	U	
156-60-5	trans-1,2-Dichloroethene	0.0020	U	
75-09-2	Dichloromethane	0.0020	U	
78-87-5	1,2-Dichloropropane	0.0020	U	
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	u
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	
127-18-4	Tetrachloroethene	0.0020	U	u J (5B)
71-55-6	1,1,1-Trichloroethane	0.0020	U	u J (5B)
79-00-5	1,1,2-Trichloroethane	0.0020	U	u
79-01-6	Trichloroethene	0.0020	U	u J (5B)
75-69-4	Trichlorofluoromethane	0.0038		J (13)
75-01-4	Vinyl Chloride	0.0020	U	u J ↓ (5A)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1402

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-008

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.53

% Moisture: 20 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	UJ (5B)
75-25-2	Bromoform	0.0024	U	U
74-83-9	Bromomethane	0.0024	U	UJ (5B)
56-23-5	Carbon Tetrachloride	0.0024	U	U
108-90-7	Chlorobenzene	0.0024	U	UJ (5B)
75-00-3	Chloroethane	0.0024	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0024	U	
67-66-3	Chloroform	0.0024	U	U
74-87-3	Chloromethane	0.0024	U	UJ (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	0.0024	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0024	U	
75-34-3	1,1-Dichloroethane	0.0024	U	U
107-06-2	1,2-Dichloroethane	0.0024	U	UJ (5B)
75-35-4	1,1-Dichloroethene	0.0024	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0024	U	
156-60-5	trans-1,2-Dichloroethene	0.0024	U	
75-09-2	Dichloromethane	0.0024	U	
78-87-5	1,2-Dichloropropane	0.0024	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	U
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	↓
127-18-4	Tetrachloroethene	0.0024	U	UJ (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	UJ (5B)
79-00-5	1,1,2-Trichloroethane	0.0024	U	U
79-01-6	Trichloroethene	0.0024	U	UJ (5B)
75-69-4	Trichlorofluoromethane	0.0043		J
75-01-4	Vinyl Chloride	0.0024	U	UJ ↓ (5A)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1502

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-010

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.60

% Moisture: 7 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	UJ (SB)
75-25-2	Bromoform	0.0022	U	U
74-83-9	Bromomethane	0.0022	U	↓
56-23-5	Carbon Tetrachloride	0.0022	U	↓
108-90-7	Chlorobenzene	0.0022	U	UJ (SB)
75-00-3	Chloroethane	0.0022	U	UJ (SB)
110-75-8	2-Chloroethylvinylether	0.0022	U	UJ (SB)
67-66-3	Chloroform	0.0022	U	U
74-87-3	Chloromethane	0.0022	U	UJ (SA, ~~SB~~)
124-48-1	Dibromochloromethane	0.0022	U	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	UJ (SB)
541-73-1	1,3-Dichlorobenzene	0.0022	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0022	U	↓
75-34-3	1,1-Dichloroethane	0.0022	U	UJ (SB)
107-06-2	1,2-Dichloroethane	0.0022	U	UJ (SB)
75-35-4	1,1-Dichloroethene	0.0022	U	UJ (SB)
156-59-2	cis-1,2-Dichloroethene	0.0022	U	UJ (SB)
156-60-5	trans-1,2-Dichloroethene	0.0022	U	UJ (SB)
75-09-2	Dichloromethane	0.0022	U	UJ (SB)
78-87-5	1,2-Dichloropropane	0.0022	U	UJ (SB)
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	UJ (SB)
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	UJ (SB)
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	U
127-18-4	Tetrachloroethene	0.0022	U	UJ (SB)
71-55-6	1,1,1-Trichloroethane	0.0022	U	UJ (SB)
79-00-5	1,1,2-Trichloroethane	0.0022	U	UJ (SB)
79-01-6	Trichloroethene	0.0022	U	UJ (SB)
75-69-4	Trichlorofluoromethane	0.0052		J (SB)
75-01-4	Vinyl Chloride	0.0022	U	UJ (SA)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082TB0201

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-011

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091801.07

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	UJ (5B)
75-25-2	Bromoform	1.0	U	U
74-83-9	Bromomethane	1.0	U	UJ (10, 8)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	U
75-00-3	Chloroethane	1.0	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5A, 5B)
67-66-3	Chloroform	1.0	U	U
74-87-3	Chloromethane	1.0	U	UJ (5B)
124-48-1	Dibromochloromethane	1.0	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	1.0	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	1.0	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	1.0	U	↓
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	U
75-35-4	1,1-Dichloroethene	1.0	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	1.0	U	U
156-60-5	trans-1,2-Dichloroethene	1.0	U	↓
75-09-2	Dichloromethane	1.0	U	↓
78-87-5	1,2-Dichloropropane	1.0	U	↓
10061-01-5	cis-1,3-Dichloropropene	1.0	U	↓
10061-02-6	trans-1,3-Dichloropropene	1.0	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	UJ (5B)
127-18-4	Tetrachloroethene	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	↓
79-00-5	1,1,2-Trichloroethane	1.0	U	↓
79-01-6	Trichloroethene	1.0	U	↓
75-69-4	Trichlorofluoromethane	1.0	U	UJ (5B)
75-01-4	Vinyl Chloride	1.0	U	UJ (5B)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082RB0201

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-013

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091801.08

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	UJ (5B)
75-25-2	Bromoform	1.0	U	U
74-83-9	Bromomethane	1.0	U	UJ (8,10)
56-23-5	Carbon Tetrachloride	1.0	U	U
108-90-7	Chlorobenzene	1.0	U	U
75-00-3	Chloroethane	1.0	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5A,5
67-66-3	Chloroform	1.0	U	U
74-87-3	Chloromethane	1.0	U	UJ (5B)
124-48-1	Dibromochloromethane	1.0	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	1.0	U	UJ (5B)
541-73-1	1,3-Dichlorobenzene	1.0	U	↓
106-46-7	1,4-Dichlorobenzene	1.0	U	↓
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	U
75-35-4	1,1-Dichloroethene	1.0	U	UJ (5B)
156-59-2	cis-1,2-Dichloroethene	1.0	U	U
156-60-5	trans-1,2-Dichloroethene	1.0	U	↓
75-09-2	Dichloromethane	1.0	U	↓
78-87-5	1,2-Dichloropropane	1.0	U	↓
10061-01-5	cis-1,3-Dichloropropene	1.0	U	↓
10061-02-6	trans-1,3-Dichloropropene	1.0	U	↓
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	UJ (5B)
127-18-4	Tetrachloroethene	1.0	U	U
71-55-6	1,1,1-Trichloroethane	1.0	U	↓
79-00-5	1,1,2-Trichloroethane	1.0	U	↓
79-01-6	Trichloroethene	1.0	U	↓
75-69-4	Trichlorofluoromethane	1.0	U	UJ (5B)
75-01-4	Vinyl Chloride	1.0	U	UJ (5B)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1602

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-022

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.58

% Moisture: 12 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0022	U	u J(5B)
75-25-2	Bromoform	0.0022	U	u
74-83-9	Bromomethane	0.0022	U	
56-23-5	Carbon Tetrachloride	0.0022	U	
108-90-7	Chlorobenzene	0.0022	U	u J(5B)
75-00-3	Chloroethane	0.0022	U	
110-75-8	2-Chloroethylvinylether	0.0022	U	
67-66-3	Chloroform	0.0022	U	u
74-87-3	Chloromethane	0.0022	U	u J(5A,5B)
124-48-1	Dibromochloromethane	0.0022	U	u
95-50-1	1,2-Dichlorobenzene	0.0022	U	u J(5B)
541-73-1	1,3-Dichlorobenzene	0.0022	U	
106-46-7	1,4-Dichlorobenzene	0.0022	U	
75-34-3	1,1-Dichloroethane	0.0022	U	u J(5B)
107-06-2	1,2-Dichloroethane	0.0022	U	
75-35-4	1,1-Dichloroethene	0.0022	U	
156-59-2	cis-1,2-Dichloroethene	0.0022	U	
156-60-5	trans-1,2-Dichloroethene	0.0022	U	
75-09-2	Dichloromethane	0.0022	U	
78-87-5	1,2-Dichloropropane	0.0022	U	
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	
10061-02-6	trans-1,3-Dichloropropene	0.0022	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	u
127-18-4	Tetrachloroethene	0.0022	U	u J(5B)
71-55-6	1,1,1-Trichloroethane	0.0022	U	
79-00-5	1,1,2-Trichloroethane	0.0022	U	
79-01-6	Trichloroethene	0.0022	U	
75-69-4	Trichlorofluoromethane	0.0076		J
75-01-4	Vinyl Chloride	0.0022	U	u J(5A)

VA
1-17-96

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1702

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-024

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.59

% Moisture: 3 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0020	U	u J (5B)
75-25-2	Bromoform	0.0020	U	u
74-83-9	Bromomethane	0.0020	U	↓
56-23-5	Carbon Tetrachloride	0.0020	U	↓
108-90-7	Chlorobenzene	0.0020	U	u J (5B)
75-00-3	Chloroethane	0.0020	U	↓ ↓ ↓
110-75-8	2-Chloroethylvinylether	0.0020	U	↓ ↓ ↓
67-66-3	Chloroform	0.0020	U	u
74-87-3	Chloromethane	0.0020	U	u J (5A, 5B)
124-48-1	Dibromochloromethane	0.0020	U	u
95-50-1	1,2-Dichlorobenzene	0.0020	U	u J (5B)
541-73-1	1,3-Dichlorobenzene	0.0020	U	↓ ↓ ↓
106-46-7	1,4-Dichlorobenzene	0.0020	U	↓ ↓ ↓
75-34-3	1,1-Dichloroethane	0.0020	U	↓ ↓ ↓
107-06-2	1,2-Dichloroethane	0.0020	U	↓ ↓ ↓
75-35-4	1,1-Dichloroethene	0.0020	U	↓ ↓ ↓
156-59-2	cis-1,2-Dichloroethene	0.0020	U	↓ ↓ ↓
156-60-5	trans-1,2-Dichloroethene	0.0020	U	↓ ↓ ↓
75-09-2	Dichloromethane	0.0020	U	↓ ↓ ↓
78-87-5	1,2-Dichloropropane	0.0020	U	↓ ↓ ↓
10061-01-5	cis-1,3-Dichloropropene	0.0020	U	↓ ↓ ↓
10061-02-6	trans-1,3-Dichloropropene	0.0020	U	↓ ↓ ↓
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	u
127-18-4	Tetrachloroethene	0.0020	U	u J (5B)
71-55-6	1,1,1-Trichloroethane	0.0020	U	↓ ↓ ↓
79-00-5	1,1,2-Trichloroethane	0.0020	U	↓ ↓ ↓
79-01-6	Trichloroethene	0.0020	U	↓ ↓ ↓
75-69-4	Trichlorofluoromethane	0.0064		J ↓
75-01-4	Vinyl Chloride	0.0020	U	u J (5A)

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ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082SB1802

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) SOIL Lab Sample ID: 9509S106-026

Sample wt/vol: 5.00 (g/mL) G Lab File ID: 95091205.61

% Moisture: 15 decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/14/95

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) mg/Kg	Q	
75-27-4	Bromodichloromethane	0.0024	U	U J (5B)
75-25-2	Bromoform	0.0024	U	U
74-83-9	Bromomethane	0.0024	U	
56-23-5	Carbon Tetrachloride	0.0024	U	
108-90-7	Chlorobenzene	0.0024	U	U J (5B)
75-00-3	Chloroethane	0.0024	U	
110-75-8	2-Chloroethylvinylether	0.0024	U	
67-66-3	Chloroform	0.0024	U	U
74-87-3	Chloromethane	0.0024	U	U J (5A, 5B)
124-48-1	Dibromochloromethane	0.0024	U	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	U J (5B)
541-73-1	1,3-Dichlorobenzene	0.0024	U	
106-46-7	1,4-Dichlorobenzene	0.0024	U	
75-34-3	1,1-Dichloroethane	0.0024	U	
107-06-2	1,2-Dichloroethane	0.0024	U	
75-35-4	1,1-Dichloroethene	0.0024	U	
156-59-2	cis-1,2-Dichloroethene	0.0024	U	
156-60-5	trans-1,2-Dichloroethene	0.0024	U	
75-09-2	Dichloromethane	0.0024	U	
78-87-5	1,2-Dichloropropane	0.0024	U	
10061-01-5	cis-1,3-Dichloropropene	0.0024	U	
10061-02-6	trans-1,3-Dichloropropene	0.0024	U	
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	U
127-18-4	Tetrachloroethene	0.0024	U	U J (5B)
71-55-6	1,1,1-Trichloroethane	0.0024	U	
79-00-5	1,1,2-Trichloroethane	0.0024	U	
79-01-6	Trichloroethene	0.0024	U	
75-69-4	Trichlorofluoromethane	0.0024	U	
75-01-4	Vinyl Chloride	0.0024	U	(5A)

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1D
ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

082GW0202

Lab Name: ROY F. WESTON, INC. Contract: 00000-000-000-0000-00

Lab Code: WESCA Case No.: _____ SAS No.: _____ SDG No.: GW01

Matrix: (soil/water) WATER Lab Sample ID: 9509S106-028

Sample wt/vol: 10.0 (g/mL) ML Lab File ID: 95091801.20

% Moisture: decanted: (Y/N) _ Date Received: 09/07/95

Extraction: (SepF/Cont/Sonc) N/A Date Extracted: 09/18/95

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/19/95

Injection Volume: 10.0(mL) Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q	
75-27-4	Bromodichloromethane	1.0	U	UJ (5B)
75-25-2	Bromoform	1.0	U	UJ (5B)
74-83-9	Bromomethane	1.0	U	UJ (10)
56-23-5	Carbon Tetrachloride	1.0	U	UJ (5B)
108-90-7	Chlorobenzene	1.0	U	U
75-00-3	Chloroethane	1.0	U	UJ (5B)
110-75-8	2-Chloroethylvinylether	1.0	U	UJ (5A, 5B)
67-66-3	Chloroform	1.0	U	U
74-87-3	Chloromethane	1.0	U	UJ (5B)
124-48-1	Dibromochloromethane	1.0	U	UJ (5B)
95-50-1	1,2-Dichlorobenzene	1.0	U	U
541-73-1	1,3-Dichlorobenzene	1.0	U	UJ (5B)
106-46-7	1,4-Dichlorobenzene	1.0	U	UJ (5B)
75-34-3	1,1-Dichloroethane	1.0	U	U
107-06-2	1,2-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1.0	U	
156-60-5	trans-1,2-Dichloroethene	1.0	U	
75-09-2	Dichloromethane	1.0	U	UJ (5B)
78-87-5	1,2-Dichloropropane	1.0	U	UJ (5B)
10061-01-5	cis-1,3-Dichloropropene	1.0	U	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
127-18-4	Tetrachloroethene	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	UJ (5B)
75-01-4	Vinyl Chloride	1.0	U	U

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CTO-082 INTERNAL DATA EVALUATION

SDG:_GW05____ PARAMETER:___TPH (8015-M)_____

METHOD BLANKS

Hydrocarbons were not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_GW05____ PARAMETER:___GAS (8015-M)_____

METHOD BLANKS

Gasoline was not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_GW05____ PARAMETER:___TAL Metals_____

METHOD BLANKS

The following metals were detected in the method blanks associated with this SDG:
Waters (ug/L) - Pb (0.38), As (0.15)
Soils (mg/Kg) - Hg (0.015), As (0.11)

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

The recoveries of Selenium and Thallium were <30% in the MS associated with the water samples in this SDG. All non-detects for these elements in the water samples are unusable (R). The recovery of Lead was outside of the acceptance criteria, however, since the spiking level was less than 4 times the concentration reported in the unspiked sample, no corrective action is required and the data are not qualified. The post-digestion spike showed no indications of matrix effects for these analytes.

The recovery of Lead was <30% in the MS associated with the soil samples . All of the samples reported detectable concentrations of Lead and none of these data are considered to be unusable (R)

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_GW05____ PARAMETER:___Pest/PCB (8080)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values were acceptable in this SDG.

MS/MSD RECOVERIES

All recovery values for the MS/MSD pairs in this SDG were acceptable

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges in this SDG.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

There were no problems with the continuing calibrations associated with this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_GW05____ PARAMETER:___TRPH (418.1)_____

METHOD BLANKS

TRPH was detected in the method blanks associated with this SDG at the following concentrations:
Waters (ug/L) - 683.7
Soils (mg/Kg) - 6.8

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

Recovery criteria were met for the MS/MSD pairs associated with this SDG.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_GW05____ PARAMETER:___VOC (8010)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within acceptable ranges

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

Chloromethane, Bromomethane, and Vinyl Chloride showed erratic response factors in the initial calibration but no data is considered to be unusable due to this occurrence

CONTINUING CALIBRATIONS

The percent difference (%D) for 2-Chloroethyl vinyl ether was outside of the acceptance criteria in the continuing calibrations. As this compound was not detected in any of the associated samples no data is considered to be unusable due to this occurrence

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB27____ PARAMETER:___BTEX (8020)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values were acceptable in this SDG.

MS/MSD RECOVERIES

All recovery values for the MS/MSD pairs in this SDG were acceptable

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges in this SDG.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

There were no problems with the continuing calibrations associated with this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB27____ PARAMETER:___TPH (8015-M)_____

METHOD BLANKS

Hydrocarbons were not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB27____ PARAMETER:___GAS (8015-M)_____

METHOD BLANKS

Gasoline was not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB27____ PARAMETER:___TAL Metals_____

METHOD BLANKS

The following metals were detected in the method blanks associated with this SDG:
Waters (ug/L) - As (1.0)
Soils (mg/Kg) - As (0.123), Zn (0.33), Pb (0.07)

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

The recovery of Arsenic was 0% in the MS associated with the water samples in this SDG and the recovery of Selenium was <30%. All non-detects in the water samples are unusable (R).

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB27____ PARAMETER:___TRPH (418.1)_____

METHOD BLANKS

TRPH was detected in the method blanks associated with this SDG at the following concentrations:
Waters (ug/L) - 854.6
Soils (mg/Kg) - 7.42

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

Recovery criteria were met for the MS/MSD pairs associated with this SDG.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB46____ PARAMETER:___BTEX (8020)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

The surrogate recovery values in sample 082SB56 was slightly outside of the acceptance window. The data for this sample were not affected by this occurrence.

MS/MSD RECOVERIES

All recovery values for the MS/MSD pairs in this SDG were acceptable

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges in this SDG.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

The percent difference (%D) for Xylenes were slightly outside of the acceptance criteria in one of the continuing calibrations. As this compound was not detected in any of the associated samples and the analytical system showed an increase in sensitivity, no data is considered to be unusable due to this occurrence

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB46____ PARAMETER:___TPH (8015-M)_____

METHOD BLANKS

Hydrocarbons were not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

The surrogate recovery values in the blank spike were high but no action was taken as the recovery of the spiked target analytes were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB46____ PARAMETER:___GAS (8015-M)_____

METHOD BLANKS

Gasoline was not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB46____ PARAMETER:___TAL Metals_____

METHOD BLANKS

The following metals were detected in the method blanks associated with this SDG:
Waters (ug/L) - Ba (0.97), Pb (0.34), Zn (14.2), Mo (2.2)
Soils (mg/Kg) - Cr (0.44), Ba (0.097), Co (0.19), Ag (0.13), Tl (0.097)

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

The recovery of Antimony was <30% (18%) in the MS associated with the water samples in this SDG. All non-detects in the water samples are unusable (R). The recoveries of Arsenic, Chromium, Copper, Lead, Selenium, Vanadium, and Zinc were outside of the acceptance criteria, however, since the spiking level was less than 4 times the concentration reported in the unspiked sample, no corrective action is required and the data is not qualified. The post-digestion spike showed no indications of matrix effects for these analytes.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB46____ PARAMETER:___TRPH (418.1)_____

METHOD BLANKS

TRPH was detected in the method blanks associated with this SDG at the following concentrations:
Waters (ug/L) - 854.6
Soils (mg/Kg) - 8.31

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

Recovery criteria were met for the MS/MSD pairs associated with this SDG.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB46____ PARAMETER:___VOC (8010)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within acceptable ranges

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

Chloromethane showed erratic response factors in the initial calibration but no data is considered to be unusable due to this occurrence

CONTINUING CALIBRATIONS

Three compounds (Vinyl Chloride, Dichloromethane, and 1,1-Dichloroethane) exhibited erratic response factors in the continuing calibrations. No data is considered to be unusable due to this occurrence

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB58____ PARAMETER:___TAL Metals_____

METHOD BLANKS

The following metals were detected in the method blanks associated with this SDG:
Waters (ug/L) - Pb (0.56), Zn (5.6)
Soils (mg/Kg) - No analytes reported above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

The recovery of Selenium was <30% in the MS associated with the soil samples in this SDG. All non-detects for these elements in the soil samples are unusable (R). The post-digestion spike showed no indications of matrix effects for these analytes.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB58____ PARAMETER:___Pest/PCB (8080)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values were acceptable in this SDG.

MS/MSD RECOVERIES

All recovery values for the MS/MSD pairs in this SDG were acceptable

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges in this SDG.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

Several compounds experienced erratic response factors in the continuing calibrations associated with this SDG. These analytes were not detected in the samples and due to an increase in sensitivity in the analytical system the data were not adversely affected by this occurrence.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB82____ PARAMETER:___TPH (8015-M)_____

METHOD BLANKS

Hydrocarbons were not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

The surrogate recovery value in one sample was high and outside the acceptance window for this method. The sample was reanalyzed and showed similar results. The data was not qualified based on this occurrence.

MS/MSD RECOVERIES

Matrix interferences caused recovery values in one of the MS/MSD pairs associated with this SDG to fall outside of the acceptance windows. No data were qualified due to this occurrence.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB82____ PARAMETER:___GAS (8015-M)_____

METHOD BLANKS

Gasoline was not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB82____ PARAMETER:___TAL Metals_____

METHOD BLANKS

The following metals were detected in the method blanks associated with this SDG:
Waters (ug/L) - Pb (0.56), Zn (5.6)
Soils (mg/Kg) - Ba (0.12), Cr (0.24), Pb (0.085), Ni (0.57), Zn (1.25)

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

The recoveries of Selenium and Arsenic were <30% in the MS associated with the soil samples in this SDG. All non-detects for these elements in the soil samples are unusable (R). The post-digestion spike showed no indications of matrix effects for these analytes.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB82____ PARAMETER:___Pest/PCB (8080)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values were acceptable in this SDG.

MS/MSD RECOVERIES

All recovery values for the MS/MSD pairs in this SDG were acceptable

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges in this SDG.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

There were no problems with the continuing calibrations associated with this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB82____ PARAMETER:___TRPH (418.1)_____

METHOD BLANKS

TRPH was detected in the method blanks associated with this SDG at the following concentrations:
Waters (ug/L) - 854.6
Soils (mg/Kg) - 8.3

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

Recovery criteria were met for the MS/MSD pairs associated with this SDG.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB82____ PARAMETER:___VOC (8010)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB96____ PARAMETER:___TPH (8015-M)_____

METHOD BLANKS

Hydrocarbons were not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values were within the acceptance window for this method.

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB96____ PARAMETER:___GAS (8015-M)_____

METHOD BLANKS

Gasoline was not reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

All recovery values were within the acceptance windows for the MS/MSD pairs in this SDG

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB96____ PARAMETER:___TAL Metals_____

METHOD BLANKS

The following metals were detected in the method blanks associated with this SDG:
Waters (ug/L) - Pb (0.56), Zn (5.6)
Soils (mg/Kg) - Cr (0.19), Zn (0.22), Pb (0.069)

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

The recovery of Selenium was <30% in the MS associated with the soil samples in this SDG. All non-detects in the soil samples are unusable (R). The recovery of Lead was outside of the acceptance criteria, however, since the spiking level was less than 4 times the concentration reported in the unspiked sample, no corrective action is required and the data is not qualified.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB96____ PARAMETER:___Pest/PCB (8080)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values were acceptable in this SDG.

MS/MSD RECOVERIES

All recovery values for the MS/MSD pairs in this SDG were acceptable

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges in this SDG.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

Several compounds experienced erratic response factors in the continuing calibrations associated with this SDG. These analytes were not detected in the samples and due to an increase in sensitivity in the analytical system the data were not adversely affected by this occurrence.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB96____ PARAMETER:___TRPH (418.1)_____

METHOD BLANKS

TRPH was detected in the method blanks associated with this SDG at the following concentrations:
Waters (ug/L) - 854.6
Soils (mg/Kg) - 7.42

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

Not Applicable to this method

MS/MSD RECOVERIES

Recovery criteria were met for the MS/MSD pairs associated with this SDG.

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

CTO-082 INTERNAL DATA EVALUATION

SDG:_SB96____ PARAMETER:___VOC (8010)_____

METHOD BLANKS

No target analytes were reported in the method blanks associated with this SDG above the detection limits

SURROGATE RECOVERIES / INTERNAL STANDARD PERFORMANCE

All surrogate recovery values in this SDG were acceptable

MS/MSD RECOVERIES

Some recovery values were slightly low but greater than 10% therefore no data was adversely affected

LCS/LCSD RECOVERIES

All recoveries were within acceptable ranges.

INITIAL CALIBRATIONS

There were no problems with the initial calibrations associated with this SDG.

CONTINUING CALIBRATIONS

All associated criteria were met for the continuing calibrations in this SDG.

GENERAL COMMENTS

No significant problems were seen during the internal data review for the samples in this SDG for this method.

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Organic Data Qualifiers

A	TIC is a suspected aldol-condensation product
B	Compound was found in the associated blank and the sample
C	Pesticide identification was confirmed by GC/MS
D	Concentration values reported at a secondary dilution factor, or surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
E	Concentration exceeds the instrument calibration range and was subsequently diluted
I	Appears on the "results spreadsheet" and "quant reports" to indicate an interference, or it appears on pesticide Form 8 to indicate an instrument blank without a surrogate
J	Result is an estimated value below the reporting limit, or a Tenatively Identified Compound (TIC)
N	Indicates presumptive evidence of a Tentatively Identified Compound (TIC)
P	The percent difference between the results from two GC columns is greater than 25%, and the lower of the two values is reported
T	Compound was found in the associated TCLP extraction blank and the sample
U	Compound was analyzed for but not detected at or above the reporting limit
X	Laboratory-defined qualifier: description included in the narrative
*	QC result was outside the laboratory control limits

Abbreviations

BS	Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
CD	Calculation Factor used by the Laboratory's Information Management System (LIMS)
DF	Dilution Factor
DL	Appears in the sample ID to indicate a secondary dilution
LCS	or (LC) denotes Laboratory Control Standard
MB	Method Blank or (PB) preparation blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Not Calculated
NR	Not Required
NS	Not Spiked
RE	Appears in the sample ID to indicate a Re-analysis
REP	Replicate analysis
REPREP	Sample was reprepared and then reanalyzed
RFW#	Equivalent to the laboratory sample identification (LAB ID)
RPD	Relative Percent Difference of duplicate analyses
RRF	Relative Response Factor
RT	Retention Time
RTW	Retention Time Window

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

DATA SUMMARY

Roy F. Weston, Inc. - Stockton Laboratory
Halogenated Volatile Organics by GC

RFW Batch Number: 9509S111 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/10/95 10:54 Page: 1

Cust ID:	082GW0501	082RB0301	082TB0301	082SB1902	082SB2002	082SB2102
Sample Information RFW#:	001	009	017	020	022	024
Matrix:	WATER	WATER	WATER	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	ug/L	ug/L	ug/L	mg/Kg	mg/Kg	mg/Kg
Surrogate: 1,2,4-Trichlorobenzene	111 %	98 %	93 %	50 %	44 %	40 %
Surrogate: Bromochloromethane	72 %	60 %	65 %	48 %	44 %	39 %
Surrogate: 1-Chloroheptane	81 %	69 %	75 %	54 %	47 %	43 %
Bromodichloromethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Bromoform	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Bromomethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Chloroethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
2-Chloroethylvinylether	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Chloroform	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Chloromethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Dichloromethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Trichloroethene	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Trichlorofluoromethane	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U
Vinyl Chloride	1.0 U	1.0 U	1.0 U	0.0022 U	0.0024 U	0.0022 U

U= / yzed, not detected. J= Present below detection l t. B= Present in blank. NR= Not requested. NS= N spiked.

Roy F. Weston, Inc Stockton Laboratory
Halogenated Volatile Organics by GC
RFW Batch Number: 9509S111 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/10/95 10:54 Page: 2

Cust ID:	082SB2202		082SB2302		082SB2402		082SB2402		082SB2402		082SB2502	
Sample Information RFW#:	026		028		030		030 MS		030 MSD		032	
Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
Units:	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Surrogate: 1,2,4-Trichlorobenzene	53	%	53	%	64	%	76	%	68	%	47	%
Surrogate: Bromochloromethane	54	%	58	%	60	%	75	%	63	%	46	%
Surrogate: 1-Chloroheptane	56	%	54	%	63	%	78	%	66	%	51	%
		fl		fl		fl		fl		fl		fl
Bromodichloromethane	0.0024	U	0.0020	U	0.0022	U	NA	%	NA	%	0.0020	U
Bromoform	0.0024	U	0.0020	U	0.0022	U	110	%	90	%	0.0020	U
Bromomethane	0.0024	U	0.0020	U	0.0022	U	81	%	72	%	0.0020	U
Carbon Tetrachloride	0.0024	U	0.0020	U	0.0022	U	102	%	77	%	0.0020	U
Chlorobenzene	0.0024	U	0.0020	U	0.0022	U	92	%	74	%	0.0020	U
Chloroethane	0.0024	U	0.0020	U	0.0022	U	89	%	76	%	0.0020	U
2-Chloroethylvinylether	0.0024	U	0.0020	U	0.0022	U	0.0022	U	0.0022	U	0.0020	U
Chloroform	0.0024	U	0.0020	U	0.0022	U	95	%	79	%	0.0020	U
Chloromethane	0.0024	U	0.0020	U	0.0022	U	68	%	67	%	0.0020	U
Dibromochloromethane	0.0024	U	0.0020	U	0.0022	U	0.0022	U	0.0022	U	0.0020	U
1,2-Dichlorobenzene	0.0024	U	0.0020	U	0.0022	U	100	%	85	%	0.0020	U
1,3-Dichlorobenzene	0.0024	U	0.0020	U	0.0022	U	90	%	76	%	0.0020	U
1,4-Dichlorobenzene	0.0024	U	0.0020	U	0.0022	U	101	%	89	%	0.0020	U
1,1-Dichloroethane	0.0024	U	0.0020	U	0.0022	U	111	%	91	%	0.0020	U
1,2-Dichloroethane	0.0024	U	0.0020	U	0.0022	U	94	%	72	%	0.0020	U
1,1-Dichloroethene	0.0024	U	0.0020	U	0.0022	U	93	%	72	%	0.0020	U
cis-1,2-Dichloroethene	0.0024	U	0.0020	U	0.0022	U	83	%	68	%	0.0020	U
trans-1,2-Dichloroethene	0.0024	U	0.0020	U	0.0022	U	86	%	70	%	0.0020	U
Dichloromethane	0.0024	U	0.0020	U	0.0022	U	91	%	78	%	0.0020	U
1,2-Dichloropropane	0.0024	U	0.0020	U	0.0022	U	86	%	78	%	0.0020	U
cis-1,3-Dichloropropene	0.0024	U	0.0020	U	0.0022	U	0.0022	U	0.0022	U	0.0020	U
trans-1,3-Dichloropropene	0.0024	U	0.0020	U	0.0022	U	0.0022	U	0.0022	U	0.0020	U
1,1,2,2-Tetrachloroethane	0.0024	U	0.0020	U	0.0022	U	117	%	98	%	0.0020	U
Tetrachloroethene	0.0024	U	0.0020	U	0.0022	U	89	%	75	%	0.0020	U
1,1,1-Trichloroethane	0.0024	U	0.0020	U	0.0022	U	102	%	81	%	0.0020	U
1,1,2-Trichloroethane	0.0024	U	0.0020	U	0.0022	U	93	%	71	%	0.0020	U
Trichloroethene	0.0024	U	0.0020	U	0.0022	U	94	%	76	%	0.0020	U
Trichlorofluoromethane	0.0024	U	0.0020	U	0.0022	U	98	%	76	%	0.0020	U
Vinyl Chloride	0.0024	U	0.0020	U	0.0022	U	99	%	84	%	0.0020	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.

020

Sample Information	Cust ID:	082GW0601	082SB2602	TBLK0F	TBLK0F BS	TBLK0F BSD	TBLK0J
	RFW#:	033	044	95SVA054-MB1	95SVA054-MB1	95SVA054-MB1	95SVB078-MB1
	Matrix:	WATER	SOIL	WATER	WATER	WATER	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	mg/Kg	ug/L	ug/L	ug/L	mg/Kg
Surrogate: 1,2,4-Trichlorobenzene		91 %	62 %	97 %	105 %	111 %	75 %
Surrogate: Bromochloromethane		61 %	53 %	68 %	98 %	105 %	61 %
Surrogate: 1-Chloroheptane		64 %	60 %	79 %	89 %	98 %	74 %
Bromodichloromethane		1.0 U	0.0022 U	1.0 U	NA %	NA %	0.0020 U
Bromoform		1.0 U	0.0022 U	1.0 U	118 %	124 %	0.0020 U
Bromomethane		1.0 U	0.0022 U	1.0 U	65 * %	60 * %	0.0020 U
Carbon Tetrachloride		1.0 U	0.0022 U	1.0 U	125 %	128 %	0.0020 U
Chlorobenzene		1.0 U	0.0022 U	1.0 U	116 %	110 %	0.0020 U
Chloroethane		1.0 U	0.0022 U	1.0 U	105 %	91 %	0.0020 U
2-Chloroethylvinylether		1.0 U	0.0022 U	1.0 U	1.0 U	1.0 U	0.0020 U
Chloroform		1.0 U	0.0022 U	1.0 U	126 %	131 * %	0.0020 U
Chloromethane		1.0 U	0.0022 U	1.0 U	63 %	59 %	0.0020 U
Dibromochloromethane		1.0 U	0.0022 U	1.0 U	1.0 U	1.0 U	0.0020 U
1,2-Dichlorobenzene		1.0 U	0.0022 U	1.0 U	119 %	119 %	0.0020 U
1,3-Dichlorobenzene		1.0 U	0.0022 U	1.0 U	100 %	95 %	0.0020 U
1,4-Dichlorobenzene		1.0 U	0.0022 U	1.0 U	142 %	135 %	0.0020 U
1,1-Dichloroethane		1.0 U	0.0022 U	1.0 U	135 %	136 %	0.0020 U
1,2-Dichloroethane		1.0 U	0.0022 U	1.0 U	109 %	115 %	0.0020 U
1,1-Dichloroethene		1.0 U	0.0022 U	1.0 U	113 %	116 %	0.0020 U
cis-1,2-Dichloroethene		1.0 U	0.0022 U	1.0 U	111 %	114 %	0.0020 U
trans-1,2-Dichloroethene		1.0 U	0.0022 U	1.0 U	95 %	95 %	0.0020 U
Dichloromethane		1.0 U	0.0022 U	1.0 U	122 %	128 %	0.0020 U
1,2-Dichloropropane		1.0 U	0.0022 U	1.0 U	119 %	128 %	0.0020 U
cis-1,3-Dichloropropene		1.0 U	0.0022 U	1.0 U	1.0 U	1.0 U	0.0020 U
trans-1,3-Dichloropropene		1.0 U	0.0022 U	1.0 U	1.0 U	1.0 U	0.0020 U
1,1,2,2-Tetrachloroethane		1.0 U	0.0022 U	1.0 U	126 %	131 %	0.0020 U
Tetrachloroethene		1.0 U	0.0022 U	1.0 U	121 %	118 %	0.0020 U
1,1,1-Trichloroethane		1.0 U	0.0022 U	1.0 U	117 %	115 %	0.0020 U
1,1,2-Trichloroethane		1.0 U	0.0022 U	1.0 U	126 %	123 %	0.0020 U
Trichloroethene		1.0 U	0.0022 U	1.0 U	130 %	130 %	0.0020 U
Trichlorofluoromethane		1.0 U	0.0021 J	1.0 U	115 %	117 %	0.0020 U
Vinyl Chloride		1.0 U	0.0022 U	1.0 U	96 %	87 %	0.0020 U

U= [illegible]yzed, not detected. J= Present below detection l[illegible]t. B= Present in blank. NR= Not requested. NS= N[illegible] spiked.

Sample Information	Cust ID:	TBLKOJ BS		TBLKOJ BSD	
	RFW#:	95SVB078-MB1		95SVB078-MB1	
	Matrix:	SOIL		SOIL	
	D.F.:	1.00		1.00	
	Units:	mg/Kg		mg/Kg	
Surrogate: 1,2,4-Trichlorobenzene		71	%	82	%
Surrogate: Bromochloromethane		77	%	85	%
Surrogate: 1-Chloroheptane		77	%	83	%
Bromodichloromethane		NA	%	NA	%
Bromoform		98	%	102	%
Bromomethane		93	%	103	%
Carbon Tetrachloride		92	%	94	%
Chlorobenzene		83	%	94	%
Chloroethane		105	%	104	%
2-Chloroethylvinylether		0.0020	U	0.0020	U
Chloroform		91	%	95	%
Chloromethane		106	%	115	%
Dibromochloromethane		0.0020	U	0.0020	U
1,2-Dichlorobenzene		103	%	103	%
1,3-Dichlorobenzene		93	%	94	%
1,4-Dichlorobenzene		104	%	107	%
1,1-Dichloroethane		108	%	113	%
1,2-Dichloroethane		97	%	98	%
1,1-Dichloroethene		92	%	93	%
cis-1,2-Dichloroethene		86	%	89	%
trans-1,2-Dichloroethene		86	%	87	%
Dichloromethane		96	%	91	%
1,2-Dichloropropane		87	%	91	%
cis-1,3-Dichloropropene		0.0020	U	0.0020	U
trans-1,3-Dichloropropene		0.0020	U	0.0020	U
1,1,2,2-Tetrachloroethane		103	%	96	%
Tetrachloroethene		86	%	85	%
1,1,1-Trichloroethane		92	%	99	%
1,1,2-Trichloroethane		86	%	91	%
Trichloroethene		95	%	100	%
Trichlorofluoromethane		92	%	94	%
Vinyl Chloride		97	%	100	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.

120

GW05

TOTAL VOLATILE HYDROCARBONS

DATA QUALIFIERS

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Organic Data Qualifiers

A	TIC is a suspected aldol-condensation product
B	Compound was found in the associated blank and the sample
C	Pesticide identification was confirmed by GC/MS
D	Concentration values reported at a secondary dilution factor, or surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
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I	Appears on the "results spreadsheet" and "quant reports" to indicate an interference, or it appears on pesticide Form 8 to indicate an instrument blank without a surrogate
J	Result is an estimated value below the reporting limit, or a Tenatively Identified Compound (TIC)
N	Indicates presumptive evidence of a Tentatively Identified Compound (TIC)
P	The percent difference between the results from two GC columns is greater than 25%, and the lower of the two values is reported
T	Compound was found in the associated TCLP extraction blank and the sample
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X	Laboratory-defined qualifier: description included in the narrative
*	QC result was outside the laboratory control limits

Abbreviations

BS	Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
CD	Calculation Factor used by the Laboratory's Information Management System (LIMS)
DF	Dilution Factor
DL	Appears in the sample ID to indicate a secondary dilution
LCS	or (LC) denotes Laboratory Control Standard
MB	Method Blank or (PB) preparation blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Not Calculated
NR	Not Required
NS	Not Spiked
RE	Appears in the sample ID to indicate a Re-analysis
REP	Replicate analysis
REPREP	Sample was reprepared and then reanalyzed
RFW#	Equivalent to the laboratory sample identification (LAB ID)
RPD	Relative Percent Difference of duplicate analyses
RRF	Relative Response Factor
RT	Retention Time
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NOTES:

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DATA SUMMARY

Roy F. Weston, Inc. - Stockton Laboratory
Purgeable Petroleum Hydrocarbons by GC

RFW Batch Number: 9509S111 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/05/95 19:02 Page: 1

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	Cust ID:	082GW0503	082RB0303	082SB1902	082SB2002	082SB2102	082SB2202
Sample Information	RFW#:	003	011	020	022	024	026
	Matrix:	WATER	WATER	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/L	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: 4-Bromofluorobenzene		117 %	57 ~~%~~ K-5 10/5/95	86 %	50 ~~%~~ K-5 10/5/95	83 %	61 %
TPH-Gasoline		0.050 U	0.050 U	0.22	0.060 U	0.055 U	0.060 U

	Cust ID:	082SB2302	082SB2402	082SB2402	082SB2402	082SB2502	082GW0603
Sample Information	RFW#:	028	030	030 MS	030 MSD	032	035
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L
Surrogate: 4-Bromofluorobenzene		60 %	95 %	83 %	82 %	60 %	107 %
TPH-Gasoline		0.050 U	0.21	74 %	75 %	0.050 U	0.050 U

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	Cust ID:	082SB2602	TBLK0B	TBLK0B BS	TBLK0B BSD	TBLK0H	TBLK0H BS
Sample Information	RFW#:	044	95SVP029-MB1	95SVP029-MB1	95SVP029-MB1	95SVP031-MB1	95SVP031-MB1
	Matrix:	SOIL	WATER	WATER	WATER	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/L	mg/L	mg/L	mg/Kg	mg/Kg
Surrogate: 4-Bromofluorobenzene		77 %	115 %	118 %	112 %	80 %	125 %
TPH-Gasoline		0.055 U	0.050 U	123 %	110 %	0.050 U	132 %

	Cust ID:	TBLK0H BSD	TBLK0I	TBLK0I BS	TBLK0I BSD
Sample Information	RFW#:	95SVP031-MB1	95SVP032-MB1	95SVP032-MB1	95SVP032-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: 4-Bromofluorobenzene		122 %	112 %	72 %	72 %
TPH-Gasoline		130 %	0.050 U	91 %	74 %

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Pest/PCB

BECHTEL CTO 082
SDG # GW05
RFW# 9509S111

2 OF 2

DATA QUALIFIERS

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DATA SUMMARY

Roy F. Weston, Inc. - Stockton Laboratory
Pesticide/PCBs by GC, CLP List

RFW Batch Number: 9509S111 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/17/95 15:15 Page: 1

	Cust ID:	082SB1901	082SB2001	082SB2101	082SB2201	082SB2301	082SB2401
Sample Information	RFW#:	019	021	023	025	027	029
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: Tetrachloro-m-xylene		98 %	97 %	98 %	99 %	97 %	46 %
Surrogate: Decachlorobiphenyl		89 %	84 %	89 %	95 %	94 %	43 %
alpha-BHC		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
beta-BHC		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
delta-BHC		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
gamma-BHC (Lindane)		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
Heptachlor		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
Aldrin		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
Heptachlor epoxide		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
Endosulfan I		2.2 U	2.2 U	2.1 U	2.5 U	2.1 U	2.1 U
Dieldrin		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
4,4'-DDE		4.3 U	4.4 U	3.5 J	5.0 U	4.2 U	4.2 U
Endrin		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
Endosulfan II		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
4,4'-DDD		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
Endosulfan sulfate		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
4,4'-DDT		4.3 U	2.6 J	4.2 U	5.0 U	4.2 U	4.2 U
Methoxychlor		22 U	22 U	21 U	25 U	21 U	21 U
Endrin aldehyde		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
alpha-Chlordane		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
gamma-Chlordane		4.3 U	4.4 U	4.2 U	5.0 U	4.2 U	4.2 U
Toxaphene		43 U	44 U	42 U	50 U	42 U	42 U
Aroclor-1016		22 U	22 U	21 U	25 U	21 U	21 U
Aroclor-1221		22 U	22 U	21 U	25 U	21 U	21 U
Aroclor-1232		22 U	22 U	21 U	25 U	21 U	21 U
Aroclor-1242		22 U	22 U	21 U	25 U	21 U	21 U
Aroclor-1248		22 U	22 U	21 U	25 U	21 U	21 U
Aroclor-1254		22 U	22 U	21 U	25 U	21 U	21 U
Aroclor-1260		22 U	22 U	21 U	25 U	21 U	21 U

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%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Sample Information	Cust ID:	082SB2401	082SB2401	082SB2501	082SB2601	PBLKKL	PBLKKL BS
	RFW#:	029 MS	029 MSD	031	043	95SE0924-MB1	95SE0924-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Surrogate: Tetrachloro-m-xylene		94 %	93 %	94 %	89 %	82 %	86 %
Surrogate: Decachlorobiphenyl		96 %	92 %	85 %	88 %	94 %	87 %
alpha-BHC		2.1 U	2.1 U	2.2 U	2.4 U	2.0 U	2.0 U
beta-BHC		2.1 U	2.1 U	2.2 U	2.4 U	2.0 U	2.0 U
delta-BHC		2.1 U	2.1 U	2.2 U	2.4 U	2.0 U	2.0 U
gamma-BHC (Lindane)		110 %	115 %	2.2 U	2.4 U	2.0 U	95 %
Heptachlor		115 %	105 %	2.2 U	2.4 U	2.0 U	95 %
Aldrin		95 %	100 %	2.2 U	2.4 U	2.0 U	90 %
Heptachlor epoxide		2.1 U	2.1 U	2.2 U	2.4 U	2.0 U	2.0 U
Endosulfan I		2.1 U	2.1 U	2.2 U	2.4 U	2.0 U	2.0 U
Dieldrin		102 %	102 %	4.3 U	4.8 U	4.0 U	94 %
4,4'-DDE		4.2 U	4.2 U	4.3 U	4.8 U	4.0 U	4.0 U
Endrin		106 %	104 %	4.3 U	4.8 U	4.0 U	92 %
Endosulfan II		4.2 U	4.2 U	4.3 U	4.8 U	4.0 U	4.0 U
4,4'-DDD		4.2 U	4.2 U	4.3 U	4.8 U	4.0 U	4.0 U
Endosulfan sulfate		4.2 U	4.2 U	4.3 U	4.8 U	4.0 U	4.0 U
4,4'-DDT		104 %	104 %	4.3 U	4.8 U	4.0 U	96 %
Methoxychlor		21 U	21 U	22 U	24 U	20 U	20 U
Endrin aldehyde		4.2 U	4.2 U	4.3 U	4.8 U	4.0 U	4.0 U
alpha-Chlordane		4.2 U	4.2 U	4.3 U	4.8 U	4.0 U	4.0 U
gamma-Chlordane		4.2 U	4.2 U	4.3 U	4.8 U	4.0 U	4.0 U
Toxaphene		42 U	42 U	43 U	48 U	40 U	40 U
Aroclor-1016		NS %	NS %	22 U	24 U	20 U	NS %
Aroclor-1221		21 U	21 U	22 U	24 U	20 U	20 U
Aroclor-1232		21 U	21 U	22 U	24 U	20 U	20 U
Aroclor-1242		21 U	21 U	22 U	24 U	20 U	20 U
Aroclor-1248		21 U	21 U	22 U	24 U	20 U	20 U
Aroclor-1254		21 U	21 U	22 U	24 U	20 U	20 U
Aroclor-1260		NS %	NS %	22 U	24 U	20 U	NS %

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Cust ID: **PBLKKL BSD**

Sample Information

RFW#: 95SE0924-MB1
Matrix: SOIL
D.F.: 1.00
Units: ug/Kg

Surrogate: Tetrachloro-m-xylene	84	%
Surrogate: Decachlorobiphenyl	98	%
alpha-BHC	2.0	U
beta-BHC	2.0	U
delta-BHC	2.0	U
gamma-BHC (Lindane)	95	%
Heptachlor	95	%
Aldrin	95	%
Heptachlor epoxide	2.0	U
Endosulfan I	2.0	U
Dieldrin	102	%
4,4'-DDE	4.0	U
Endrin	108	%
Endosulfan II	4.0	U
4,4'-DDD	4.0	U
Endosulfan sulfate	4.0	U
4,4'-DDT	104	%
Methoxychlor	20	U
Endrin aldehyde	4.0	U
alpha-Chlordane	4.0	U
gamma-Chlordane	4.0	U
Toxaphene	40	U
Aroclor-1016	NS	%
Aroclor-1221	20	U
Aroclor-1232	20	U
Aroclor-1242	20	U
Aroclor-1248	20	U
Aroclor-1254	20	U
Aroclor-1260	NS	%

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BECHTEL CTO 082
SDG# GW05
RFW# 9509S111

TOTAL EXTRACTABLE HYDROCARBONS

DATA QUALIFIERS

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

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DATA SUMMARY

	Cust ID:	082GW0505	082RB0305	082SB1902	082SB2002	082SB2102	082SB2202
Sample Information	RFW#:	005	013	020	022	024	026
	Matrix:	WATER	WATER	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/L	mg/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate:	n-Eicosane	93 %	97 %	97 %	86 %	93 %	106 * % asm 10/31/95
		fl	fl	fl	fl	fl	fl
Gasoline		0.048 U	0.048 U	1.0 U	1.2 U	1.1 U	1.2 U
Kerosene		0.048 U	0.048 U	1.0 U	1.2 U	1.1 U	1.2 U
Stoddard solvent		0.048 U	0.048 U	1.0 U	1.2 U	1.1 U	1.2 U
JP-4		0.048 U	0.048 U	1.0 U	1.2 U	1.1 U	1.2 U
JP-5		0.048 U	0.048 U	1.0 U	1.2 U	1.1 U	1.2 U
Diesel #2		0.048 U	0.048 U	1.0 U	1.2 U	1.1 U	1.2 U
Lubricating Oil		0.24 U	0.24 U	5.2 U	5.8 U	5.4 U	6.0 U
Other Extractable Hydrocarbons		0.097	0.056	1.0 U	18	1.1 U	54

	Cust ID:	082SB2302	082SB2302	082SB2402	082SB2402	082SB2402	082SB2502
Sample Information	RFW#:	028	028 DL	030	030 MS	030 MSD	032
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	2.00	5.00	5.00	5.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate:	n-Eicosane	51 %	122 * % asm 10/31/95	107 * % acy 10/31/95	84 %	91 %	91 %
		fl	fl	fl	fl	fl	fl
Gasoline		1.0 U	2.1 U	5.7 U	5.7 U	5.7 U	1.0 U
Kerosene		1.0 U	2.1 U	5.7 U	5.7 U	5.7 U	1.0 U
Stoddard solvent		1.0 U	2.1 U	5.7 U	5.7 U	5.7 U	1.0 U
JP-4		1.0 U	2.1 U	5.7 U	5.7 U	5.7 U	1.0 U
JP-5		1.0 U	2.1 U	5.7 U	5.7 U	5.7 U	1.0 U
Diesel #2		1.0 U	2.1 U	5.7 U	I %	I %	1.0 U
Lubricating Oil		5.2 U	10 U	28 U	28 U	28 U	5.2 U
Other Extractable Hydrocarbons		68 E	38	160	0.00 I	0.00 I	1.0 U

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Roy F. Weston, Inc. Stockton Laboratory
EXTRACTABLE PETROLEUM HYDROCARBONS

RFW Batch Number: 9509S111 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/31/95 Page: 2

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	Cust ID:	082GW0606	082SB2602	PBLKJY	PBLKJY BS	PBLKJY BSD	PBLKKM
Sample Information	RFW#:	038	044	95SE0907-MB1	95SE0907-MB1	95SE0907-MB1	95SE0923-MB1
	Matrix:	WATER	SOIL	WATER	WATER	WATER	SOIL
	D.F.:	1.00	5.00	1.00	1.00	1.00	1.00
	Units:	mg/L	mg/Kg	mg/L	mg/L	mg/L	mg/Kg
Surrogate:	n-Eicosane	90 %	80 %	76 %	124 * %	134 * %	85 %
Gasoline		0.048 U	5.6 U	0.050 U	0.050 U	0.050 U	1.0 U
Kerosene		0.048 U	5.6 U	0.050 U	0.050 U	0.050 U	1.0 U
Stoddard solvent		0.048 U	5.6 U	0.050 U	0.050 U	0.050 U	1.0 U
JP-4		0.048 U	5.6 U	0.050 U	0.050 U	0.050 U	1.0 U
JP-5		0.048 U	5.6 U	0.050 U	0.050 U	0.050 U	1.0 U
Diesel #2		0.048 U	5.6 U	0.050 U	74 %	96 %	1.0 U
Lubricating Oil		0.24 U	28 U	0.25 U	0.25 U	0.25 U	5.0 U
Other Extractable Hydrocarbons		0.085	43	0.050 U	0.050 U	0.050 U	1.0 U

	Cust ID:	PBLKKM BS	PBLKKM BSD	PBLKKN	PBLKKN BS	PBLKKN BSD	PBLKKB
Sample Information	RFW#:	95SE0923-MB1	95SE0923-MB1	95SE0930-MB1	95SE0930-MB1	95SE0930-MB1	95SE0914-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L
Surrogate:	n-Eicosane	38 %	35 %	77 %	103 %	104 * %	79 %
Gasoline		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.050 U
Kerosene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.050 U
Stoddard solvent		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.050 U
JP-4		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.050 U
JP-5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.050 U
Diesel #2		83 %	78 %	1.0 U	69 %	73 %	0.050 U
Lubricating Oil		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.25 U
Other Extractable Hydrocarbons		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.050 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

	Cust ID:	PBLKKB BS	PBLKKB BSD
Sample Information	RFW#:	95SE0914-MB1	95SE0914-MB1
	Matrix:	WATER	WATER
	D.F.:	1.00	1.00
	Units:	mg/L	mg/L

Surrogate:	n-Eicosane	118 *	%	117 *	%
Gasoline		0.050	U	0.050	U
Kerosene		0.050	U	0.050	U
Stoddard solvent		0.050	U	0.050	U
JP-4		0.050	U	0.050	U
JP-5		0.050	U	0.050	U
Diesel #2		72	%	72	%
Lubricating Oil		0.25	U	0.25	U
Other Extractable Hydrocarbons		0.050	U	0.050	U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

GW05

TRPH ANALYSES

DATA QUALIFIERS

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Organic Data Qualifiers

A	TIC is a suspected aldol-condensation product
B	Compound was found in the associated blank and the sample
C	Pesticide identification was confirmed by GC/MS
D	Concentration values reported at a secondary dilution factor, or surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
E	Concentration exceeds the instrument calibration range and was subsequently diluted
I	Appears on the "results spreadsheet" and "quant reports" to indicate an interference, or it appears on pesticide Form 8 to indicate an instrument blank without a surrogate
J	Result is an estimated value below the reporting limit, or a Tenatively Identified Compound (TIC)
N	Indicates presumptive evidence of a Tentatively Identified Compound (TIC)
P	The percent difference between the results from two GC columns is greater than 25%, and the lower of the two values is reported
T	Compound was found in the associated TCLP extraction blank and the sample
U	Compound was analyzed for but not detected at or above the reporting limit
X	Laboratory-defined qualifier: description included in the narrative
*	QC result was outside the laboratory control limits

Abbreviations

BS	Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
CD	Calculation Factor used by the Laboratory's Information Management System (LIMS)
DF	Dilution Factor
DL	Appears in the sample ID to indicate a secondary dilution
LCS	or (LC) denotes Laboratory Control Standard
MB	Method Blank or (PB) preparation blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Not Calculated
NR	Not Required
NS	Not Spiked
RE	Appears in the sample ID to indicate a Re-analysis
REP	Replicate analysis
REPREP	Sample was reprepared and then reanalyzed
RFW#	Equivalent to the laboratory sample identification (LAB ID)
RPD	Relative Percent Difference of duplicate analyses
RRF	Relative Response Factor
RT	Retention Time
RTW	Retention Time Window

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

SAMPLE DATA

FORM I

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0507

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): WATER Lab Sample ID: 9509S111-007

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	394	B		O

U(7)

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0507.

FORM I - IN ILM02.1

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0607

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): WATER Lab Sample ID: 9509S111-039

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	4740			O

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0607.

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0307

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): WATER Lab Sample ID: 9509S111-015

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	812	B		O

u (7)

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0307.

FORM I - IN ILM02.1

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1901

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-019

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	10.2	B		O

U(2)

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB1901.

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2001

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-021

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	17.2			O

u(7)

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2001._____

FORM I - IN ILM02.1

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-023

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	6.3	B		O

U (J)

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2101.

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2201

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-025

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _80.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	10.7	B		O

U (7)

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2201.

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2301

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-027

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _96.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	39.4			O

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2301.

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-029

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _96.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	17.2			O

u(7)

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2401.

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-031

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	140			O

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE ID#_082SB2501.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2601

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: GW05__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S111-043

Level (low/med): LOW__ Date Received: 09/08/95

% Solids: _83.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
TR	TRPH	16.7			O

U (7)

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2601.

212 FRANK WEST CIRCLE
SUITE A
STOCKTON, CA 95206
PHONE: (209) 983-1340
FAX: 209-983-0304

BECHTEL CTO 082
SDG# SB58
RFW# 9509S203

1 OF 2

Metals

DATA QUALIFIERS

INORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Inorganic Data Qualifiers

B	Result is less than the CRDL, but greater than or equal to the IDL
E	Result is estimated because of the presence of interference
M	The RSD of duplicate injections exceeded 20% for analyte concentrations greater than the CRDL
N	Matrix Spike recovery was outside the control limits
S	Result was determined by the Method of Standard Additions (MSA)
T	Analyte was found in the associated TCLP extraction blank and sample
U	Analyte was analyzed for but not detected at or above the IDL (for CLP analysis), or at or above the reporting limit for non-CLP analysis
W	Post-digestion spike was outside the control limits (85-115%), and the sample absorbance is less than 50% of the spike absorbance
+	The correlation coefficient for the MSA is less than 0.995
*	Duplicate analysis (or QC result) was outside the control limits

Method Qualifiers

A	Analyzed by flame A.A. direct aspiration
C	Analyzed by manual spectrophotometric method for Cyanide
CV	Analyzed by manual cold vapor generation A.A. for Mercury
F	Analyzed by graphite furnace atomic absorption spectroscopy
P	Analyzed by inductively coupled argon plasma

Abbreviations

BS	Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
CCV	Continuing Calibration Verification
CCB	Continuing Calibration Blank
CD	Calculation Factor used by the Laboratory's Information Management System (LIMS)
DF	Dilution Factor
ICV	Initial Calibration Verification
ICB	Initial Calibration Blank
LCS	or (LC) denotes Laboratory Control Standard
MB	Method Blank or (PB) for Preparation Blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Not calculated
NR	Not Required
NS	Not Spiked
REP	Replicate analysis
RFW#	Equivalent to the laboratory sample identification (LAB ID)
RPD	Relative Percent Difference of duplicate analyses
X	Laboratory-defined qualifier: description included in the narrative

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

Revised 07/01/94

SAMPLE DATA

FORM I

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB1102

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): WATER Lab Sample ID: 9509S203-019

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M	
7440-36-0	Antimony_	9.0	U		P_	
7440-38-2	Arsenic__	0.80	U		F_	
7440-39-3	Barium___	1.6	B		P_	
7440-41-7	Beryllium	0.20	U		P_	
7440-43-9	Cadmium__	1.4	U		P_	
7440-47-3	Chromium_	2.1	B		P_	
7440-48-4	Cobalt___	1.5	U		P_	
7440-50-8	Copper___	5.2	B		P_	
7439-92-1	Lead____	0.73	B		F_	U(7)
7440-02-0	Nickel___	3.6	U		P_	
7782-49-2	Selenium_	0.60	U		F_	R(8)
7440-22-4	Silver___	1.2	U		P_	
7440-28-0	Thallium_	0.90	U		F_	
7440-62-2	Vanadium_	1.3	U		P_	
7440-66-6	Zinc____	19.1	B		P_	U(7)
7439-98-7	Molybdenu	2.1	B		P_	
7439-97-6	Mercury__	2.3	_		CV	

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB1101._____

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB7401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-020

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.97	U	N	P
7440-38-2	Arsenic__	1.2	B		F
7440-39-3	Barium___	42.5			P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	12.6			P
7440-48-4	Cobalt___	2.9	B		P
7440-50-8	Copper___	8.6			P
7439-92-1	Lead____	11.9		*	F
7440-02-0	Nickel___	3.7	B		P
7782-49-2	Selenium_	0.06	U	WN	F R(8)
7440-22-4	Silver___	0.13	U		P
7440-28-0	Thallium_	0.16	B		F
7440-62-2	Vanadium_	24.6			P
7440-66-6	Zinc____	71.7		N	P
7439-98-7	Molybdenu	0.36	B		P
7439-97-6	Mercury__	0.02	B		CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB7401._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB7501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-021

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.4	B	N	P
7440-38-2	Arsenic__	1.4	B		F
7440-39-3	Barium___	56.5			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium__	0.16	U		P
7440-47-3	Chromium_	12.2			P
7440-48-4	Cobalt___	3.2	B		P
7440-50-8	Copper___	5.6			P
7439-92-1	Lead____	1.6		S*	F
7440-02-0	Nickel___	3.4	B		P
7782-49-2	Selenium_	0.69	U	N	F
7440-22-4	Silver___	0.14	U		P
7440-28-0	Thallium_	0.44	B		F
7440-62-2	Vanadium_	27.1			P
7440-66-6	Zinc____	21.6		N	P
7439-98-7	Molybdenu	0.59	B		P
7439-97-6	Mercury__	0.01	B		CV

R(8)

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB7501.

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB7601

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-022

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.95	U	N	P
7440-38-2	Arsenic__	1.1	B		F
7440-39-3	Barium___	58.0			P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	12.4			P
7440-48-4	Cobalt___	3.9	B		P
7440-50-8	Copper___	4.8			P
7439-92-1	Lead____	2.1		S*	F
7440-02-0	Nickel___	2.9	B		P
7782-49-2	Selenium_	0.06	U	WN	F
7440-22-4	Silver___	0.13	U		P
7440-28-0	Thallium_	0.27	B		F
7440-62-2	Vanadium_	25.1			P
7440-66-6	Zinc____	18.7		N	P
7439-98-7	Molybdenu	0.35	B		P
7439-97-6	Mercury__	0.01	U		CV

RLSD

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB7601._____

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB7701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-023

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _77.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.2	U	N	P
7440-38-2	Arsenic__	1.2	B	W	F
7440-39-3	Barium___	233			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium__	0.18	U		P
7440-47-3	Chromium_	42.5			P
7440-48-4	Cobalt___	15.4			P
7440-50-8	Copper___	24.0			P
7439-92-1	Lead____	2.5		*	F
7440-02-0	Nickel___	12.3			P
7782-49-2	Selenium_	0.77	U	WN	F
7440-22-4	Silver___	0.45	B		P
7440-28-0	Thallium_	0.55	B		F
7440-62-2	Vanadium_	95.3			P
7440-66-6	Zinc____	69.7		N	P
7439-98-7	Molybdenu	2.0	B		P
7439-97-6	Mercury__	0.02	B		CV

R(8)

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB7701._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB7801

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-024

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.95	U	N	P
7440-38-2	Arsenic__	0.93	B		F
7440-39-3	Barium___	44.8			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	9.0			P
7440-48-4	Cobalt___	3.0	B		P
7440-50-8	Copper___	3.6			P
7439-92-1	Lead____	0.56		W*	F
7440-02-0	Nickel___	2.1	B		P
7782-49-2	Selenium_	0.06	U	WN	F
7440-22-4	Silver___	0.13	U		P
7440-28-0	Thallium_	0.26	B		F
7440-62-2	Vanadium_	19.9			P
7440-66-6	Zinc____	13.6		N	P
7439-98-7	Molybdenu	0.46	B		P
7439-97-6	Mercury__	0.01	U		CV

R(8)

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB7801.

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB7901

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-025

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.95	U	N	P
7440-38-2	Arsenic__	1.2	B		F
7440-39-3	Barium___	57.1			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	8.7			P
7440-48-4	Cobalt___	2.6	B		P
7440-50-8	Copper___	3.7			P
7439-92-1	Lead____	0.88		W*	F
7440-02-0	Nickel___	2.0	B		P
7782-49-2	Selenium_	0.10	B	WN	F
7440-22-4	Silver___	0.13	U		P
7440-28-0	Thallium_	0.21	B		F
7440-62-2	Vanadium_	19.6			P
7440-66-6	Zinc____	14.2		N	P
7439-98-7	Molybdenu	0.21	B		P
7439-97-6	Mercury__	0.01	U		CV

J(8)

Color Before: _____ Clarity Before: BROWN_ Texture: _____

Color After: FINE_____ Clarity After: YELLOW Artifacts: _____

Comments:
SAMPLE_ID#_082SB7901._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB8001

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-026

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.95	U	N	P
7440-38-2	Arsenic__	1.4	B		F
7440-39-3	Barium___	50.6			P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	10.7			P
7440-48-4	Cobalt___	2.6	B		P
7440-50-8	Copper___	3.8			P
7439-92-1	Lead____	0.86		W*	F
7440-02-0	Nickel___	2.4	B		P
7782-49-2	Selenium_	0.06	U	WN	F
7440-22-4	Silver___	0.13	U		P
7440-28-0	Thallium_	0.27	B		F
7440-62-2	Vanadium_	22.8			P
7440-66-6	Zinc____	15.1		N	P
7439-98-7	Molybdenu	0.33	B		P
7439-97-6	Mercury__	0.01	U		CV

R(8)

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB8001._____

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB8101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CTO82_ SAS No.: _____ SDG No.: SB58__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S203-027

Level (low/med): LOW__ Date Received: 09/27/95

% Solids: _94.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.96	U	N	P
7440-38-2	Arsenic__	0.99	B		F
7440-39-3	Barium___	45.2			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	8.4			P
7440-48-4	Cobalt___	2.3	B		P
7440-50-8	Copper___	3.9			P
7439-92-1	Lead____	0.94		W*	F
7440-02-0	Nickel___	2.1	B		P
7782-49-2	Selenium_	0.06	U	WN	F
7440-22-4	Silver___	0.13	U		P
7440-28-0	Thallium_	0.28	B		F
7440-62-2	Vanadium_	20.6			P
7440-66-6	Zinc____	13.3		N	P
7439-98-7	Molybdenu	0.44	B		P
7439-97-6	Mercury__	0.01	U		CV

R(8)

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB8101.

Roy F. Weston, Inc.
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212 Frank West Circle
Stockton, California 95206-4044
209-983-1340 • Fax 209-983-0304

BTEX

BECHTEL CTO 082
SDG# SB27
9509S165, 9509S175

1 OF 2

DATA QUALIFIERS

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Organic Data Qualifiers

A	TIC is a suspected aldol-condensation product
B	Compound was found in the associated blank and the sample
C	Pesticide identification was confirmed by GC/MS
D	Concentration values reported at a secondary dilution factor, or surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
E	Concentration exceeds the instrument calibration range and was subsequently diluted
I	Appears on the "results spreadsheet" and "quant reports" to indicate an interference, or it appears on pesticide Form 8 to indicate an instrument blank without a surrogate
J	Result is an estimated value below the reporting limit, or a Tenatively Identified Compound (TIC)
N	Indicates presumptive evidence of a Tentatively Identified Compound (TIC)
P	The percent difference between the results from two GC columns is greater than 25%, and the lower of the two values is reported
T	Compound was found in the associated TCLP extraction blank and the sample
U	Compound was analyzed for but not detected at or above the reporting limit
X	Laboratory-defined qualifier: description included in the narrative
*	QC result was outside the laboratory control limits

Abbreviations

BS	Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
CD	Calculation Factor used by the Laboratory's Information Management System (LIMS)
DF	Dilution Factor
DL	Appears in the sample ID to indicate a secondary dilution
LCS	or (LC) denotes Laboratory Control Standard
MB	Method Blank or (PB) preparation blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Not Calculated
NR	Not Required
NS	Not Spiked
RE	Appears in the sample ID to indicate a Re-analysis
REP	Replicate analysis
REPREP	Sample was reprepared and then reanalyzed
RFW#	Equivalent to the laboratory sample identification (LAB ID)
RPD	Relative Percent Difference of duplicate analyses
RRF	Relative Response Factor
RT	Retention Time
RTW	Retention Time Window

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

DATA SUMMARY

Roy F. Weston, Inc. - Stockton Laboratory
Aromatic Volatile Organics by GC

RFW Batch Number: 9509S165 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/31/95 14:46 Page: 1

	Cust ID:	082SB2902	082SB3002	082SB3102	082SB3102	082SB3102	082SB3202
Sample Information	RFW#:	006	008	010	010 MS	010 MSD	012
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		69 %	74 %	72 %	80 %	79 %	71 %
Surrogate: 4-Bromofluorobenzene		70 %	69 %	67 %	82 %	81 %	72 %
Benzene		0.0022 U	0.0022 U	0.0022 U	66 ≠ %	72 ≠ %	0.0024 U
Ethylbenzene		0.0022 U	0.0022 U	0.0022 U	68 ≠ %	75 %	0.0024 U
Toluene		0.0022 U	0.0022 U	0.0022 U	69 ≠ %	76 %	0.0024 U
Xylene (total)		0.0022 U	0.0022 U	0.0022 U	70 ≠ %	77 ≠ %	0.0024 U

10/31/95

	Cust ID:	082SB3302	082TB0402	082SB3402	082RB0401	082SB3502	082SB3602
Sample Information	RFW#:	014	016	018	019	029	031
	Matrix:	SOIL	WATER	SOIL	WATER	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	ug/L	mg/Kg	ug/L	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		69 %	98 %	72 %	100 %	79 %	71 %
Surrogate: 4-Bromofluorobenzene		72 %	101 %	76 %	102 %	79 %	67 %
Benzene		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U
Ethylbenzene		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U
Toluene		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U
Xylene (total)		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

	Cust ID:	082SB3702	082SB3802	082SB3902	082SB3902	082SB4002	082SB4102
Sample Information	RFW#:	175-002	175-004	175-006	175-006 RE	175-008	175-010
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg Reprep	mg/Kg	mg/Kg
Surrogate:	aaa-Trifluorotoluene	76 %	78 %	76 %	81 %	72 %	67 %
Surrogate:	4-Bromofluorobenzene	75 %	83 %	63 * %	76 %	71 %	62 * %
Benzene		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U
Ethylbenzene		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U
Toluene		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U
Xylene (total)		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U

	Cust ID:	082SB4102	082SB4202	082SB4302	082SB4302	082SB4402	082SB4502
Sample Information	RFW#:	175-010 RE	175-012	175-014	175-014 RE	175-016	175-018
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg Reprep	mg/Kg	mg/Kg	mg/Kg Reprep	mg/Kg	mg/Kg
Surrogate:	aaa-Trifluorotoluene	65 %	73 %	66 %	68 %	82 %	71 %
Surrogate:	4-Bromofluorobenzene	52 * %	95 %	58 * %	44 * %	84 %	72 %
Benzene		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U
Ethylbenzene		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U
Toluene		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U
Xylene (total)		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

	Cust ID:	082GW0701	082GW0801	082RB0501	082RB0601	082TB0501	082TB0501
Sample Information	RFW#:	175-019	175-027	175-035	175-043	175-051	175-051
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L Col 2
Surrogate: aaa-Trifluorotoluene		131 %	97 %	97 %	94 %	103 %	95 %
Surrogate: 4-Bromofluorobenzene		130 %	100 %	98 %	95 %	105 %	98 %
Benzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene		1.0 U	1.0 U	1.0 U	1.0 U	2.8	2.7
Xylene (total)		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

	Cust ID:	082GW0901	TBLK0V	TBLK0V BS	TBLK0V BSD	TBLK0Y	TBLK0Y BS
Sample Information	RFW#:	175-053	95SVI076-MB1	95SVI076-MB1	95SVI076-MB1	95SVI072-MB1	95SVI072-MB1
	Matrix:	WATER	SOIL	SOIL	SOIL	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	mg/Kg	mg/Kg	mg/Kg	ug/L	ug/L
Surrogate: aaa-Trifluorotoluene		84 %	67 %	92 %	96 %	102 %	98 %
Surrogate: 4-Bromofluorobenzene		88 %	66 %	89 %	92 %	113 %	108 %
Benzene		1.0 U	0.0020 U	79 %	81 %	1.0 U	101 %
Ethylbenzene		1.0 U	0.0020 U	75 %	78 %	1.0 U	97 %
Toluene		1.0 U	0.0020 U	76 %	80 %	1.0 U	98 %
Xylene (total)		1.0 U	0.0020 U	80 %	85 %	1.0 U	101 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

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	Cust ID:	TBLKOY BSD	TBLKPM	TBLKPM BS	TBLKPM BSD	TBLKPR	TBLKPR BS
Sample Information	RFW#:	95SVI072-MB1	95SVI077-MB1	95SVI077-MB1	95SVI077-MB1	95SVI080-MB1	95SVI080-MB1
	Matrix:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		100 %	102 %	97 %	99 %	98 %	105 %
Surrogate: 4-Bromofluorobenzene		114 %	105 %	95 %	99 %	100 %	107 %
Benzene		99 %	0.0020 U	95 %	94 %	0.0020 U	99 %
Ethylbenzene		97 %	0.0020 U	90 %	89 %	0.0020 U	107 %
Toluene		95 %	0.0020 U	91 %	92 %	0.0020 U	106 %
Xylene (total)		102 %	0.0020 U	92 %	92 %	0.0020 U	110 %

	Cust ID:	TBLKPR BSD	TBLKPP	TBLKPP BS	TBLKPP BSD	TBLKPQ	TBLKPQ BS
Sample Information	RFW#:	95SVI080-MB1	95SVI078-MB1	95SVI078-MB1	95SVI078-MB1	95SVI079-MB1	95SVI079-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		108 %	100 %	92 %	105 %	89 %	89 %
Surrogate: 4-Bromofluorobenzene		108 %	101 %	96 %	106 %	91 %	93 %
Benzene		102 %	0.0020 U	85 %	92 %	0.0020 U	85 %
Ethylbenzene		111 %	0.0020 U	90 %	98 %	0.0020 U	91 %
Toluene		109 %	0.0020 U	91 %	98 %	0.0020 U	91 %
Xylene (total)		114 %	0.0020 U	93 %	100 %	0.0020 U	94 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Cust ID: TBLKPQ BSD

Sample Information

RFW#: 95SVI079-MB1
Matrix: SOIL
D.F.: 1.00
Units: mg/Kg

Surrogate:	aaa-Trifluorotoluene	105	%
Surrogate:	4-Bromofluorobenzene	108	%

Benzene	93	%
Ethylbenzene	98	%
Toluene	99	%
Xylene (total)	102	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

SB27

TOTAL VOLATILE HYDROCARBONS

DATA QUALIFIERS

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Organic Data Qualifiers

A	TIC is a suspected aldol-condensation product
B	Compound was found in the associated blank and the sample
C	Pesticide identification was confirmed by GC/MS
D	Concentration values reported at a secondary dilution factor, or surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
E	Concentration exceeds the instrument calibration range and was subsequently diluted
I	Appears on the "results spreadsheet" and "quant reports" to indicate an interference, or it appears on pesticide Form 8 to indicate an instrument blank without a surrogate
J	Result is an estimated value below the reporting limit, or a Tenatively Identified Compound (TIC)
N	Indicates presumptive evidence of a Tentatively Identified Compound (TIC)
P	The percent difference between the results from two GC columns is greater than 25%, and the lower of the two values is reported
T	Compound was found in the associated TCLP extraction blank and the sample
U	Compound was analyzed for but not detected at or above the reporting limit
X	Laboratory-defined qualifier: description included in the narrative
*	QC result was outside the laboratory control limits

Abbreviations

BS	Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
CD	Calculation Factor used by the Laboratory's Information Management System (LIMS)
DF	Dilution Factor
DL	Appears in the sample ID to indicate a secondary dilution
LCS	or (LC) denotes Laboratory Control Standard
MB	Method Blank or (PB) preparation blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Not Calculated
NR	Not Required
NS	Not Spiked
RE	Appears in the sample ID to indicate a Re-analysis
REP	Replicate analysis
REPREP	Sample was reprepared and then reanalyzed
RFW#	Equivalent to the laboratory sample identification (LAB ID)
RPD	Relative Percent Difference of duplicate analyses
RRF	Relative Response Factor
RT	Retention Time
RTW	Retention Time Window

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

DATA SUMMARY

Roy F. Weston, Inc. - Stockton Laboratory
Aromatic Volatile Organics by GC

RFW Batch Number: 9509S165 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/31/95 14:46 Page: 1

373A

	Cust ID:	082SB2902	082SB3002	082SB3102	082SB3102	082SB3102	082SB3202
Sample Information	RFW#:	006	008	010	010 MS	010 MSD	012
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		69 %	74 %	72 %	80 %	79 %	71 %
Surrogate: 4-Bromofluorobenzene		70 %	69 %	67 %	82 %	81 %	72 %
Benzene		0.0022 U	0.0022 U	0.0022 U	66 ~~*~~ %	72 ~~*~~ %	0.0024 U
Ethylbenzene		0.0022 U	0.0022 U	0.0022 U	68 ~~*~~ %	75 %	0.0024 U
Toluene		0.0022 U	0.0022 U	0.0022 U	69 ~~*~~ %	76 %	0.0024 U
Xylene (total)		0.0022 U	0.0022 U	0.0022 U	70 ~~*~~ %	77 ~~*~~ %	0.0024 U

10/31/95

	Cust ID:	082SB3302	082TB0402	082SB3402	082RB0401	082SB3502	082SB3602
Sample Information	RFW#:	014	016	018	019	029	031
	Matrix:	SOIL	WATER	SOIL	WATER	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	ug/L	mg/Kg	ug/L	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		69 %	98 %	72 %	100 %	79 %	71 %
Surrogate: 4-Bromofluorobenzene		72 %	101 %	76 %	102 %	79 %	67 %
Benzene		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U
Ethylbenzene		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U
Toluene		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U
Xylene (total)		0.0024 U	1.0 U	0.0022 U	1.0 U	0.0024 U	0.0022 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

3123

	Cust ID:	082SB3702	082SB3802	082SB3902	082SB3902	082SB4002	082SB4102
Sample Information	RFW#:	175-002	175-004	175-006	175-006 RE	175-008	175-010
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg Reprep	mg/Kg	mg/Kg
Surrogate:	aaa-Trifluorotoluene	76 %	78 %	76 %	81 %	72 %	67 %
Surrogate:	4-Bromofluorobenzene	75 %	83 %	63 * %	76 %	71 %	62 * %
Benzene		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U
Ethylbenzene		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U
Toluene		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U
Xylene (total)		0.0022 U	0.0020 U	0.0020 U	0.0020 U	0.0024 U	0.0022 U

	Cust ID:	082SB4102	082SB4202	082SB4302	082SB4302	082SB4402	082SB4502
Sample Information	RFW#:	175-010 RE	175-012	175-014	175-014 RE	175-016	175-018
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg Reprep	mg/Kg	mg/Kg	mg/Kg Reprep	mg/Kg	mg/Kg
Surrogate:	aaa-Trifluorotoluene	65 %	73 %	66 %	68 %	82 %	71 %
Surrogate:	4-Bromofluorobenzene	52 * %	95 %	58 * %	44 * %	84 %	72 %
Benzene		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U
Ethylbenzene		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U
Toluene		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U
Xylene (total)		0.0022 U	0.0024 U	0.0026 U	0.0026 U	0.0024 U	0.0022 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc. - Stockton Laboratory
Aromatic Volatile Organics by GC

RFW Batch Number: 9509S165 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 10/31/95 14:46 Page: 3

	Cust ID:	082GW0701	082GW0801	082RB0501	082RB0601	082TB0501	082TB0501
Sample Information	RFW#:	175-019	175-027	175-035	175-043	175-051	175-051
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L Col 2
Surrogate:	aaa-Trifluorotoluene	131 %	97 %	97 %	94 %	103 %	95 %
Surrogate:	4-Bromofluorobenzene	130 %	100 %	98 %	95 %	105 %	98 %
		fl	fl	fl	fl	fl	fl
Benzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene		1.0 U	1.0 U	1.0 U	1.0 U	2.8	2.7
Xylene (total)		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

	Cust ID:	082GW0901	TBLKOV	TBLKOV BS	TBLKOV BSD	TBLKOY	TBLKOY BS
Sample Information	RFW#:	175-053	95SVI076-MB1	95SVI076-MB1	95SVI076-MB1	95SVI072-MB1	95SVI072-MB1
	Matrix:	WATER	SOIL	SOIL	SOIL	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	mg/Kg	mg/Kg	mg/Kg	ug/L	ug/L
Surrogate:	aaa-Trifluorotoluene	84 %	67 %	92 %	96 %	102 %	98 %
Surrogate:	4-Bromofluorobenzene	88 %	66 %	89 %	92 %	113 %	108 %
		fl	fl	fl	fl	fl	fl
Benzene		1.0 U	0.0020 U	79 %	81 %	1.0 U	101 %
Ethylbenzene		1.0 U	0.0020 U	75 %	78 %	1.0 U	97 %
Toluene		1.0 U	0.0020 U	76 %	80 %	1.0 U	98 %
Xylene (total)		1.0 U	0.0020 U	80 %	85 %	1.0 U	101 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

372C

3730

Sample Information	Cust ID:	TBLKOY BSD	TBLKPM	TBLKPM BS	TBLKPM BSD	TBLKPR	TBLKPR BS
	RFW#:	95SVI072-MB1	95SVI077-MB1	95SVI077-MB1	95SVI077-MB1	95SVI080-MB1	95SVI080-MB1
	Matrix:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	ug/L	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		100 %	102 %	97 %	99 %	98 %	105 %
Surrogate: 4-Bromofluorobenzene		114 %	105 %	95 %	99 %	100 %	107 %
Benzene		99 %	0.0020 U	95 %	94 %	0.0020 U	99 %
Ethylbenzene		97 %	0.0020 U	90 %	89 %	0.0020 U	107 %
Toluene		95 %	0.0020 U	91 %	92 %	0.0020 U	106 %
Xylene (total)		102 %	0.0020 U	92 %	92 %	0.0020 U	110 %

Sample Information	Cust ID:	TBLKPR BSD	TBLKPP	TBLKPP BS	TBLKPP BSD	TBLKPQ	TBLKPQ BS
	RFW#:	95SVI080-MB1	95SVI078-MB1	95SVI078-MB1	95SVI078-MB1	95SVI079-MB1	95SVI079-MB1
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: aaa-Trifluorotoluene		108 %	100 %	92 %	105 %	89 %	89 %
Surrogate: 4-Bromofluorobenzene		108 %	101 %	96 %	106 %	91 %	93 %
Benzene		102 %	0.0020 U	85 %	92 %	0.0020 U	85 %
Ethylbenzene		111 %	0.0020 U	90 %	98 %	0.0020 U	91 %
Toluene		109 %	0.0020 U	91 %	98 %	0.0020 U	91 %
Xylene (total)		114 %	0.0020 U	93 %	100 %	0.0020 U	94 %

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

372E

Cust ID: TBLKPQ BSD

Sample Information

RFW#: 95SVI079-MB1
Matrix: SOIL
D.F.: 1.00
Units: mg/Kg

Surrogate:	aaa-Trifluorotoluene	105	%
Surrogate:	4-Bromofluorobenzene	108	%

Benzene	93	%
Ethylbenzene	98	%
Toluene	99	%
Xylene (total)	102	%

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Roy F. Weston, Inc.
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212 Frank West Circle
Stockton, California 95206-4044
209-983-1340 • Fax 209-983-0304

TE4

BECHTEL CTO 082
SDG# SB27
9509S165, 9509S175

2 OF 2

DATA QUALIFIERS

ORGANIC GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Organic Data Qualifiers

A	TIC is a suspected aldol-condensation product
B	Compound was found in the associated blank and the sample
C	Pesticide identification was confirmed by GC/MS
D	Concentration values reported at a secondary dilution factor, or surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis
E	Concentration exceeds the instrument calibration range and was subsequently diluted
I	Appears on the "results spreadsheet" and "quant reports" to indicate an interference, or it appears on pesticide Form 8 to indicate an instrument blank without a surrogate
J	Result is an estimated value below the reporting limit, or a Tenatively Identified Compound (TIC)
N	Indicates presumptive evidence of a Tentatively Identified Compound (TIC)
P	The percent difference between the results from two [illegible] columns is greater than 25%, and the lower of the two values is reported
T	Compound was found in the associated TCLP extraction blank and the sample
U	Compound was analyzed for but not detected at or above the reporting limit
X	Laboratory-defined qualifier: description included in the narrative
*	QC result was outside the laboratory control limits

Abbreviations

BS	Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.
BSD	Blank Spike Duplicate
BRL	Below Reporting Limit
CD	Calculation Factor used by the Laboratory's Information Management System (LIMS)
DF	Dilution Factor
DL	Appears in the sample ID to indicate a secondary dilution
LCS	or (LC) denotes Laboratory Control Standard
MB	Method Blank or (PB) preparation blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NC	Not Calculated
NR	Not Required
NS	Not Spiked
RE	Appears in the sample ID to indicate a Re-analysis
REP	Replicate analysis
REPREP	Sample was reprepared and then reanalyzed
RFW#	Equivalent to the laboratory sample identification (LAB ID)
RPD	Relative Percent Difference of duplicate analyses
RRF	Relative Response Factor
RT	Retention Time
RTW	Retention Time Window

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions, and sample moisture content if analyzed on a dry weight basis.

Revised 07/01/94

DATA SUMMARY

Roy F. Weston, Inc. - Stockton Laboratory
EXTRACTABLE PETROLEUM HYDROCARBONS

RFW Batch Number: 9509S165 Client: BECHTEL CTO 082 Work Order: 00000-000-000-0000-00 Report Date: 11/02/95 18:16 Page: 1

575

Cust ID:	082SB2902	082SB3002	082SB3102	082SB3102	082SB3102	082SB3202
Sample Information RFW#:	006	008	010	010 MS	010 MSD	012
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	2.00	1.00	1.00	1.00	1.00	1.00
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate: n-Eicosane	104 * %	100 %	92 %	134 * %	51 %	93 %
	fl	fl	fl	fl	fl	fl
Gasoline	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
Kerosene	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
Stoddard solvent	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
JP-4	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
JP-5	2.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
Diesel #2	2.1 U	1.1 U	1.1 U	67 %	38 %	1.2 U
Lubricating Oil	11 U	5.3 U	5.7 U	5.7 U	5.7 U	5.8 U
Other Extractable Hydrocarbons	40	3.2	2.9	1.1 U	1.1 U	3.1

Cust ID:	082SB3302	082SB3402	082RB0404	082SB3502	082SB3602	082SB3702
Sample Information RFW#:	014	018	022	029	031	175-002
Matrix:	SOIL	SOIL	WATER	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	5.00	1.00
Units:	mg/Kg	mg/Kg	mg/L	mg/Kg	mg/Kg	mg/Kg
Surrogate: n-Eicosane	99 %	95 %	94 %	81 %	122 * %	50 %
	fl	fl	fl	fl	fl	fl
Gasoline	1.2 U	1.1 U	0.050 U	1.2 U	5.3 U	1.1 U
Kerosene	1.2 U	1.1 U	0.050 U	1.2 U	5.3 U	1.1 U
Stoddard solvent	1.2 U	1.1 U	0.050 U	1.2 U	5.3 U	1.1 U
JP-4	1.2 U	1.1 U	0.050 U	1.2 U	5.3 U	1.1 U
JP-5	1.2 U	1.1 U	0.050 U	1.2 U	5.3 U	1.1 U
Diesel #2	1.2 U	1.1 U	0.050 U	1.2 U	5.3 U	1.1 U
Lubricating Oil	5.9 U	5.5 U	0.25 U	5.8 U	27 U	5.3 U
Other Extractable Hydrocarbons	1.6	2.2	0.058	1.2 U	48	7.3

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

matrix Lim (50-136)

576

	Cust ID:	082SB3802	082SB3902	082SB4002	082SB4102	082SB4202	082SB4302
Sample Information	RFW#:	175-004	175-006	175-008	175-010	175-012	175-014
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	D.F.:	1.00	2.00	1.00	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Surrogate:	n-Eicosane	96 %	100 %	95 %	100 %	102 %	96 %
		fl	fl	fl	fl	fl	fl
Gasoline		1.0 U	2.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Kerosene		1.0 U	2.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Stoddard solvent		1.0 U	2.1 U	1.2 U	1.1 U	1.2 U	1.3 U
JP-4		1.0 U	2.1 U	1.2 U	1.1 U	1.2 U	1.3 U
JP-5		1.0 U	2.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Diesel #2		1.0 U	2.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Lubricating Oil		5.1 U	10 U	6.0 U	5.4 U	5.8 U	6.5 U
Other Extractable Hydrocarbons		13	66	6.0	25	3.9	8.4

	Cust ID:	082SB4402	082SB4502	082GW0705	082GW0805	082RB0505	082RB0605
Sample Information	RFW#:	175-016	175-018	175-023	175-031	175-039	175-047
	Matrix:	SOIL	SOIL	WATER	WATER	WATER	WATER
	D.F.:	500	1.00	20.0	1.00	1.00	1.00
	Units:	mg/Kg	mg/Kg	mg/L	mg/L	mg/L	mg/L
Surrogate:	n-Eicosane	D %	99 %	D %	98 %	89 %	92 %
		fl	fl	fl	fl	fl	fl
Gasoline		620 U	1.1 U	1.0 U	0.050 U	0.050 U	0.050 U
Kerosene		620 U	1.1 U	1.0 U	0.050 U	0.050 U	0.050 U
Stoddard solvent		620 U	1.1 U	1.0 U	0.050 U	0.050 U	0.050 U
JP-4		620 U	1.1 U	1.0 U	0.050 U	0.050 U	0.050 U
JP-5		620 U	1.1 U	1.0 U	0.050 U	0.050 U	0.050 U
Diesel #2		620 U	1.1 U	1.0 U	0.050 U	0.050 U	0.050 U
Lubricating Oil		3100 U	5.4 U	5.0 U	0.25 U	0.25 U	0.25 U
Other Extractable Hydrocarbons		13000	1.6	14	2.2	0.17	0.073

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

577

Cust ID:	082GW0906	PBLKLI	PBLKLI RE	PBLKLI BS	PBLKLI BS	PBLKLI BSD
Sample Information RFW#:	175-058	95SE0944-MB1	95SE0944-MB1	95SE0944-MB1	95SE0944-MB1	95SE0944-MB1
Matrix:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	mg/L	mg/Kg	mg/Kg Reanal	mg/Kg	mg/Kg Reanal	mg/Kg
Surrogate: n-Eicosane	102 %	106 * %	121 * %	116 * %	124 * %	119 * %
	fl	fl	fl	fl	fl	fl
Gasoline	0.050 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Kerosene	0.050 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Stoddard solvent	0.050 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
JP-4	0.050 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
JP-5	0.050 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diesel #2	0.050 U	1.0 U	1.0 U	71 %	72 %	73 %
Lubricating Oil	0.25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Other Extractable Hydrocarbons	0.30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Cust ID:	PBLKLI BSD	PBLKKT	PBLKKT BS	PBLKKT BSD	PBLKLC	PBLKLC RE
Sample Information RFW#:	95SE0944-MB1	95SE0945-MB1	95SE0945-MB1	95SE0945-MB1	95SE0955-MB1	95SE0955-MB1
Matrix:	SOIL	WATER	WATER	WATER	WATER	WATER
D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
Units:	mg/Kg Reanal	mg/L	mg/L	mg/L	mg/L	mg/L Reanal
Surrogate: n-Eicosane	119 * %	96 %	112 * %	103 %	114 * %	113 * %
	fl	fl	fl	fl	fl	fl
Gasoline	1.0 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Kerosene	1.0 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Stoddard solvent	1.0 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
JP-4	1.0 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
JP-5	1.0 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Diesel #2	75 %	0.050 U	67 %	60 %	0.050 U	0.050 U
Lubricating Oil	5.0 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Other Extractable Hydrocarbons	1.0 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

578

	Cust ID:	PBLKLC BS	PBLKLC BSD
Sample Information	RFW#:	95SE0955-MB1	95SE0955-MB1
	Matrix:	WATER	WATER
	D.F.:	1.00	1.00
	Units:	mg/L	mg/L
Surrogate:	n-Eicosane	115 * %	129 * %
Gasoline		0.050 U	0.050 U
Kerosene		0.050 U	0.050 U
Stoddard solvent		0.050 U	0.050 U
JP-4		0.050 U	0.050 U
JP-5		0.050 U	0.050 U
Diesel #2		90 %	101 %
Lubricating Oil		0.25 U	0.25 U
Other Extractable Hydrocarbons		0.050 U	0.050 U

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked.
%= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

SD 6.
SB27

METALS ANALYSES

DATA QUALIFIERS

STANDARD - GLOSSARY OF DATA QUALIFIERS AND ABBREVIATIONS

Inorganic Data Qualifiers

U Analyte was not detected at or above the reporting limit

X Result obtained indirectly through calculation based on results from other analyses

Organic Data Qualifiers

B Compound was found in the blank and the sample

D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis

E Concentration exceeds the instrument calibration range and was subsequently diluted

I Appears on the "results spreadsheet" to indicate an interference

J Result is an estimated value below the reporting limit or a tenatively identified compound (TIC)

T Compound was found in the TCLP extraction blank and the sample

U Compound was not detected at or above the reporting limit

Abbreviations

BS Blank Spike: spike analysis was conducted on reagent grade water or a matrix free from the analyte(s) of interest.

BSD Blank Spike Duplicate

BRL Below Reporting Limit

CD Calculation Factor used by the laboratory's Information Management System (LIMS)

DF Dilution Factor

DL Appears in the sample ID to indicate a secondary dilution was performed

LCS or (LC) denotes Laboratory Control Standard

MB Method Blank or (PB) preparation blank

MS Matrix Spike

MSD Matrix Spike Duplicate

NA Not Applicable

NR Not Required

NS Not Spiked

RE Appears in the sample ID to indicate a Re-analysis

REP Replicate analysis

REPREP Sample was reprepared and then reanalyzed

RFW# Equivalent to the laboratory sample identification (LAB ID)

RPD Relative Percent Difference of duplicate analyses

RRF Relative Response Factor

RT Retention Time

RTW Retention Time Window

NOTES:

- One or a combination of these data qualifiers and abbreviations may appear in the analytical report.
- Soil, sediment and sludge results are reported on a dry weight basis except when analyzed for landfill disposal or incineration parameters. All other results on a solid matrix are reported on an "as received" basis unless noted differently.
- Reporting limits are adjusted for preparation sample size, sample dilutions and sample moisture content if analyzed on a dry weight basis.

SAMPLE DATA

FORM I

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0708

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): WATER Lab Sample ID: 9509S175-026

Level (low/med): LOW__ Date Received: 09/21/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	9.0	U		P
7440-38-2	Arsenic__	15.0	B	WN	F
7440-39-3	Barium___	376			P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium__	1.4	U		P
7440-47-3	Chromium_	188			P
7440-48-4	Cobalt___	11.5	B		P
7440-50-8	Copper___	41.3			P
7439-92-1	Lead____	26.5			F
7440-02-0	Nickel___	103			P
7782-49-2	Selenium_	6.0	U	WN	F
7440-22-4	Silver___	1.2	U		P
7440-28-0	Thallium_	0.90	U	WN	F
7440-62-2	Vanadium_	101			P
7440-66-6	Zinc____	183		E	P
7439-98-7	Molybdenu	13.3	B		P
7439-97-6	Mercury__	0.11	U		CV

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0708.

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0808

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): WATER Lab Sample ID: 9509S175-034

Level (low/med): LOW__ Date Received: 09/21/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	15.4	B		P
7440-38-2	Arsenic__	27.7	B	WN	F
7440-39-3	Barium___	650			P
7440-41-7	Beryllium	1.4	B		P
7440-43-9	Cadmium__	1.4	U		P
7440-47-3	Chromium_	260			P
7440-48-4	Cobalt___	26.2	B		P
7440-50-8	Copper___	61.3			P
7439-92-1	Lead____	38.4			F
7440-02-0	Nickel___	135			P
7782-49-2	Selenium_	6.0	U	WN	F
7440-22-4	Silver___	3.1	B		P
7440-28-0	Thallium_	0.90	U	WN	F
7440-62-2	Vanadium_	268			P
7440-66-6	Zinc____	290		E	P
7439-98-7	Molybdenu	17.4	B		P
7439-97-6	Mercury__	0.11	U		CV

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0708.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW0908

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): WATER Lab Sample ID: 9509S175-060

Level (low/med): LOW__ Date Received: 09/21/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	19.3	B		P
7440-38-2	Arsenic__	33.8	B	WN	F
7440-39-3	Barium___	1360			P
7440-41-7	Beryllium	3.5	B		P
7440-43-9	Cadmium__	3.5	B		P
7440-47-3	Chromium_	335			P
7440-48-4	Cobalt___	62.3			P
7440-50-8	Copper___	136			P
7439-92-1	Lead____	271			F
7440-02-0	Nickel___	101			P
7782-49-2	Selenium_	6.0	U	EN	F
7440-22-4	Silver___	1.2	U		P
7440-28-0	Thallium_	9.0	U	N	F
7440-62-2	Vanadium_	670			P
7440-66-6	Zinc____	478		E	P
7439-98-7	Molybdenu	36.4	B		P
7439-97-6	Mercury__	0.11	U		CV

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082GW0908.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0407

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): WATER Lab Sample ID: 9509S165-025

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	9.0	U		P
7440-38-2	Arsenic__	1.1	B	N	F
7440-39-3	Barium___	1.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	1.4	U		P
7440-47-3	Chromium_	3.4	B		P
7440-48-4	Cobalt___	1.5	U		P
7440-50-8	Copper___	4.6	U		P
7439-92-1	Lead____	2.2	B		F
7440-02-0	Nickel___	3.6	U		P
7782-49-2	Selenium_	0.60	U	N	F
7440-22-4	Silver___	1.2	U		P
7440-28-0	Thallium_	0.90	U	N	F
7440-62-2	Vanadium_	1.3	U		P
7440-66-6	Zinc____	20.2		E	P
7439-98-7	Molybdenu	1.7	U		P
7439-97-6	Mercury__	2.5			CV

u(7)

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0407.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0508

ab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

ab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

atrix (soil/water): WATER Lab Sample ID: 9509S175-042

evel (low/med): LOW__ Date Received: 09/21/95

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	9.0	U		P
7440-38-2	Arsenic__	1.2	B	N	F
7440-39-3	Barium___	1.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	1.4	U		P
7440-47-3	Chromium_	18.6			P
7440-48-4	Cobalt___	1.5	U		P
7440-50-8	Copper___	4.6	U		P
7439-92-1	Lead____	0.40	U		F
7440-02-0	Nickel___	9.8	B		P
7782-49-2	Selenium_	0.60	U	N	F
7440-22-4	Silver___	1.2	U		P
7440-28-0	Thallium_	0.90	U	N	F
7440-62-2	Vanadium_	1.3	U		P
7440-66-6	Zinc____	19.3	B	E	P
7439-98-7	Molybdenu	1.7	U		P
7439-97-6	Mercury__	2.4			CV

u(7)

Color Before: COLOLRESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0508._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB0608

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): WATER Lab Sample ID: 9509S175-050

Level (low/med): LOW__ Date Received: 09/21/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	9.0	U		P
7440-38-2	Arsenic__	1.1	B	N	F
7440-39-3	Barium___	1.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	1.4	U		P
7440-47-3	Chromium_	4.2	B		P
7440-48-4	Cobalt___	1.5	U		P
7440-50-8	Copper___	6.0	B		P
7439-92-1	Lead____	0.80	B		F
7440-02-0	Nickel___	5.4	B		P
7782-49-2	Selenium_	0.60	U	N	F
7440-22-4	Silver___	1.2	U		P
7440-28-0	Thallium_	0.90	U	N	F
7440-62-2	Vanadium_	1.3	U		P
7440-66-6	Zinc____	24.7		E	P
7439-98-7	Molybdenu	1.7	U		P
7439-97-6	Mercury__	2.5			CV

U(7)

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
SAMPLE_ID#_082RB0608.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-001

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _92.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	12.1			P
7440-38-2	Arsenic__	3.1	B	WN	F
7440-39-3	Barium___	45.1			P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	12.8			P
7440-48-4	Cobalt___	3.7	B		P
7440-50-8	Copper___	12.4			P
7439-92-1	Lead____	2550			P
7440-02-0	Nickel___	4.7			P
7782-49-2	Selenium_	0.65	U	WN	F
7440-22-4	Silver___	0.66	B		P
7440-28-0	Thallium_	0.31	B		F
7440-62-2	Vanadium_	29.2			P
7440-66-6	Zinc____	27.6			P
7439-98-7	Molybdenu	0.61	B		P
7439-97-6	Mercury__	0.06		N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2701.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2801

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-003

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _90.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	2.5	B		P_
7440-38-2	Arsenic__	5.8	B	WN	F_
7440-39-3	Barium___	38.4			P_
7440-41-7	Beryllium	0.34	B		P_
7440-43-9	Cadmium__	0.15	U		P_
7440-47-3	Chromium_	15.0			P_
7440-48-4	Cobalt___	5.3	B		P_
7440-50-8	Copper___	8.2			P_
7439-92-1	Lead____	476			P_
7440-02-0	Nickel___	7.5			P_
7782-49-2	Selenium_	0.66	U	WN	F_
7440-22-4	Silver___	0.33	B		P_
7440-28-0	Thallium_	0.24	B		F_
7440-62-2	Vanadium_	36.6			P_
7440-66-6	Zinc____	48.0			P_
7439-98-7	Molybdenu	0.90	B		P_
7439-97-6	Mercury__	0.07		N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2801._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB2901

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-005

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.95	U		P
7440-38-2	Arsenic__	0.18	B	WN	F
7440-39-3	Barium___	32.8			P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	4.8			P
7440-48-4	Cobalt___	1.2	B		P
7440-50-8	Copper___	2.1	B		P
7439-92-1	Lead____	0.79			F
7440-02-0	Nickel___	1.4	B		P
7782-49-2	Selenium_	0.06	U	WN	F
7440-22-4	Silver___	0.45	B		P
7440-28-0	Thallium_	0.09	U		F
7440-62-2	Vanadium_	13.0			P
7440-66-6	Zinc____	7.9			P
7439-98-7	Molybdenu	0.44	B		P
7439-97-6	Mercury__	0.03		N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB2901._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3001

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-007

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _92.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.97	U		P_
7440-38-2	Arsenic__	0.06	U	WN	F_
7440-39-3	Barium___	19.3	B		P_
7440-41-7	Beryllium	0.07	B		P_
7440-43-9	Cadmium__	0.15	U		P_
7440-47-3	Chromium_	5.7			P_
7440-48-4	Cobalt___	1.1	B		P_
7440-50-8	Copper___	2.4	B		P_
7439-92-1	Lead____	1.3			F_
7440-02-0	Nickel___	1.5	B		P_
7782-49-2	Selenium_	0.06	U	WN	F_
7440-22-4	Silver___	0.13	U		P_
7440-28-0	Thallium_	0.10	U		F_
7440-62-2	Vanadium_	14.8			P_
7440-66-6	Zinc____	9.4			P_
7439-98-7	Molybdenu	0.32	B		P_
7439-97-6	Mercury__	0.01	U	N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3001._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3101

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-009

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _96.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.93	U		P
7440-38-2	Arsenic__	0.19	B	WN	F
7440-39-3	Barium___	15.1	B		P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium__	0.14	U		P
7440-47-3	Chromium_	5.1			P
7440-48-4	Cobalt___	0.99	B		P
7440-50-8	Copper___	1.8	B		P
7439-92-1	Lead____	0.66			F
7440-02-0	Nickel___	1.5	B		P
7782-49-2	Selenium_	0.06	U	WN	F
7440-22-4	Silver___	0.12	U		P
7440-28-0	Thallium_	0.09	U		F
7440-62-2	Vanadium_	15.4			P
7440-66-6	Zinc____	7.5			P
7439-98-7	Molybdenu	0.33	B		P
7439-97-6	Mercury__	0.01	U	N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3101.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3201

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-011

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _89.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.0	U		P
7440-38-2	Arsenic__	0.29	B	WN	F
7440-39-3	Barium___	25.6			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium__	0.16	U		P
7440-47-3	Chromium_	5.9			P
7440-48-4	Cobalt___	1.0	B		P
7440-50-8	Copper___	1.9	B		P
7439-92-1	Lead____	0.88			F
7440-02-0	Nickel___	1.5	B		P
7782-49-2	Selenium_	0.07	U	WN	F
7440-22-4	Silver___	0.14	B		P
7440-28-0	Thallium_	0.13	B		F
7440-62-2	Vanadium_	15.2			P
7440-66-6	Zinc____	7.0			P
7439-98-7	Molybdenu	0.71	B		P
7439-97-6	Mercury__	0.01	U	N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3201._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3301

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-013

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.98	U		P
7440-38-2	Arsenic__	0.17	B	WN	F
7440-39-3	Barium___	41.6			P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	5.8			P
7440-48-4	Cobalt___	1.0	B		P
7440-50-8	Copper___	2.2	B		P
7439-92-1	Lead____	0.81			F
7440-02-0	Nickel___	1.2	B		P
7782-49-2	Selenium_	0.07	U	WN	F
7440-22-4	Silver___	0.14	B		P
7440-28-0	Thallium_	0.12	B		F
7440-62-2	Vanadium_	16.4			P
7440-66-6	Zinc____	8.2			P
7439-98-7	Molybdenu	0.54	B		P
7439-97-6	Mercury__	0.02	B	N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

SAMPLE_ID#_082SB3301._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3401

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-017

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.98	U		P_
7440-38-2	Arsenic__	0.07	U	WN	F_
7440-39-3	Barium___	15.5	B		P_
7440-41-7	Beryllium	0.06	B		P_
7440-43-9	Cadmium__	0.15	U		P_
7440-47-3	Chromium_	4.9			P_
7440-48-4	Cobalt___	1.1	B		P_
7440-50-8	Copper___	3.3			P_
7439-92-1	Lead____	0.74			F_
7440-02-0	Nickel___	1.3	B		P_
7782-49-2	Selenium_	0.07	U	WN	F_
7440-22-4	Silver___	0.13	U		P_
7440-28-0	Thallium_	0.10	U		F_
7440-62-2	Vanadium_	12.3			P_
7440-66-6	Zinc____	9.4			P_
7439-98-7	Molybdenu	0.40	B		P_
7439-97-6	Mercury__	0.01	U	N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3401._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3501

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S165-028

Level (low/med): LOW__ Date Received: 09/20/95

% Solids: _92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.98	U		P_
7440-38-2	Arsenic__	0.15	B	WN	F_
7440-39-3	Barium___	25.7			P_
7440-41-7	Beryllium	0.08	B		P_
7440-43-9	Cadmium__	0.15	U		P_
7440-47-3	Chromium_	6.5			P_
7440-48-4	Cobalt___	1.2	B		P_
7440-50-8	Copper___	2.3	B		P_
7439-92-1	Lead____	0.94			F_
7440-02-0	Nickel___	1.7	B		P_
7782-49-2	Selenium_	0.07	U	WN	F_
7440-22-4	Silver___	0.13	U		P_
7440-28-0	Thallium_	0.10	U		F_
7440-62-2	Vanadium_	17.7			P_
7440-66-6	Zinc____	8.8			P_
7439-98-7	Molybdenu	0.24	B		P_
7439-97-6	Mercury__	0.01	U	N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3501.

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3601

ab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

ab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

atrix (soil/water): SOIL_ Lab Sample ID: 9509S165-030

evel (low/med): LOW__ Date Received: 09/20/95

Solids: _93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.96	U		P
7440-38-2	Arsenic__	2.1		+N	F
7440-39-3	Barium___	58.1			P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	7.7			P
7440-48-4	Cobalt___	5.8			P
7440-50-8	Copper___	6.6			P
7439-92-1	Lead____	4.6			F
7440-02-0	Nickel___	2.5	B		P
7782-49-2	Selenium_	0.64	U	WN	F
7440-22-4	Silver___	0.40	B		P
7440-28-0	Thallium_	0.15	B		F
7440-62-2	Vanadium_	23.1			P
7440-66-6	Zinc____	30.4			P
7439-98-7	Molybdenu	1.2	B		P
7439-97-6	Mercury__	0.03		N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3601._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3701

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S175-001

Level (low/med): LOW__ Date Received: 09/21/95

% Solids: _94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.95	U		P
7440-38-2	Arsenic__	0.17	B	WN	F
7440-39-3	Barium___	30.6			P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium__	0.15	U		P
7440-47-3	Chromium_	8.6			P
7440-48-4	Cobalt___	2.1	B		P
7440-50-8	Copper___	6.5			P
7439-92-1	Lead____	6.5			F
7440-02-0	Nickel___	2.2	B		P
7782-49-2	Selenium_	0.06	U	WN	F
7440-22-4	Silver___	0.13	U		P
7440-28-0	Thallium_	0.18	B		F
7440-62-2	Vanadium_	22.4			P
7440-66-6	Zinc____	24.0			P
7439-98-7	Molybdenu	0.67	B		P
7439-97-6	Mercury__	0.06		N*	CV

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3701._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3801

ab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

ab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

atrix (soil/water): SOIL_ Lab Sample ID: 9509S175-003

evel (low/med): LOW__ Date Received: 09/21/95

Solids: _95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.95	U		P_
7440-38-2	Arsenic__	0.18	B	WN	F_
7440-39-3	Barium___	15.4	B		P_
7440-41-7	Beryllium	0.06	B		P_
7440-43-9	Cadmium__	0.15	U		P_
7440-47-3	Chromium_	4.9			P_
7440-48-4	Cobalt___	1.6	B		P_
7440-50-8	Copper___	2.5	B		P_
7439-92-1	Lead____	2.3			F_
7440-02-0	Nickel___	1.5	B		P_
7782-49-2	Selenium_	0.06	U	WN	F_
7440-22-4	Silver___	0.13	U		P_
7440-28-0	Thallium_	0.14	B		F_
7440-62-2	Vanadium_	13.7			P_
7440-66-6	Zinc____	10.7			P_
7439-98-7	Molybdenu	0.42	B		P_
7439-97-6	Mercury__	0.02	B	N*	CV

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: YELLOW___ Clarity After: _____ Artifacts: _____

omments:
SAMPLE_ID#_082SB3801._____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB3901

Lab Name: ROY_F._WESTON_INC._____ Contract: BECHTEL___

Lab Code: WESCA_ Case No.: CT082_ SAS No.: _____ SDG No.: SB27__

Matrix (soil/water): SOIL_ Lab Sample ID: 9509S175-005

Level (low/med): LOW__ Date Received: 09/21/95

% Solids: _98.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	0.91	U		P_
7440-38-2	Arsenic__	0.31	B	WN	F_
7440-39-3	Barium___	23.5			P_
7440-41-7	Beryllium	0.09	B		P_
7440-43-9	Cadmium__	0.14	U		P_
7440-47-3	Chromium_	6.7			P_
7440-48-4	Cobalt___	1.8	B		P_
7440-50-8	Copper___	5.5			P_
7439-92-1	Lead____	11.7			F_
7440-02-0	Nickel___	3.3	B		P_
7782-49-2	Selenium_	0.06	U	WN	F_
7440-22-4	Silver___	0.12	U		P_
7440-28-0	Thallium_	0.12	B		F_
7440-62-2	Vanadium_	17.4			P_
7440-66-6	Zinc____	23.8			P_
7439-98-7	Molybdenu	0.55	B		P_
7439-97-6	Mercury__	0.08		N*	CV

Color Before: BROWM____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:
SAMPLE_ID#_082SB3901._____

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