February 17, 2012

Prairie Dog Loop Phase II Environmental Site Assessment

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

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Phase II Environmental Site Assessment

prepared for:

Santa Fe Public Schools

Santa Fe, NM

R.T. Hicks Consultants, Ltd.

901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

R. T. HICKS CONSULTANTS, LTD.

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February 17, 2012

Shirley McDougall
Asset Manager, Architect
Santa Fe Public Schools
smcdougall@sfps.info

Leo C. Prenevost
Construction Project Manager
LCPRENEVOST@sfps.info

RE: SW ¼ Section 31 T 17N R 9E
County Rd 62 and Prairie Dog Loop Rd., Santa Fe, NM (the Property)

Dear Ms McDougall and Mr. Prenevost

R.T. Hicks Consultants, Ltd. is pleased to submit the Phase II Environmental Site Assessment for the above-referenced property. This report finds:

1. The risks to human health posed by the chemicals in the trash do not exceed "acceptable" risks as determined by New Mexico guidance.
2. Soil samples obtained below the trash show that the risk to groundwater quality posed by the chemicals in the trash is negligible.
3. The risks to construction workers who may contact the trash during a mitigation program do not exceed "acceptable" risks as determined by New Mexico guidance.
4. In order to construct a school at the site, our evaluation found two waste management options that are technically and economically feasible :
    a. Excavation and disposal of the trash at a nearby permitted landfill
    b. Excavation and on-site burial of the trash in an engineered burial cell
5. The cost of each feasible option, including a provision estimate for additional laboratory testing, regulatory permitting and engineering design is
    a. Excavation and disposal: $830,485 (high cost), $725,667 (low cost)
    b. On-site burial: $296,405 (high cost), $156,002 (low cost)

    Notes:
    - Add a 10% provision to Excavation and Disposal for additional laboratory expenses
    - Add a 30% provision to On-site burial for engineering, permitting and additional laboratory testing.

The Phase I report dated January 9, 2012, concluded that the presence of buried household solid waste at the Property is a Recognized Environmental Condition. The purpose of the Phase II ESA was to conduct a limited investigation and sampling program to develop sufficient data to provide Santa Fe Public Schools with a reasonable cost estimate to mitigate or remove the buried solid waste such that the Property may be used for a public school. Please note that additional investigation and evaluation will be necessary to close any regulatory file on the Property and prepare plans for mitigation/removal of the waste. The cost of additional sampling and reporting to the regulatory agency is included in the cost.

Sampling Methodology

On January 20, 2012 Andrew Parker of RT Hicks Consultants mobilized to the Property to perform the Phase II ESA. Using a backhoe and operator provided by Frank Jaramillo with Santa Fe County, we excavated thirteen (13) trenches and collected 12 soil/trash samples as presented on Table 1. Plate 1 shows the locations of the 12 trenches.

Table 1: Exploratory trench sample depths

Trench ID	Total Depth (ft bgs)	Sample Depth (ft bgs)	Comments
T1	9	2.5 & 5	
T2	7	4	No trash
T3	5.5	5	No trash
T4	11	3.5 & 9	Trash
T5	8.5	3.5 & 8.5	Trash
T6	9.5	3.5 & 9.5	Trash
T7	7	3.5 & 7	Trash
T8	1.5	--	No trash
T9	2	--	No trash
T10	2	--	No trash
T11	2	--	Trash (1 to 2 ft bgs)
T12	2	--	No trash
T13	2	--	No trash

Notes:

1. bgs = below ground surface

Exploratory trenches T1, T4 through T7 were excavated from the center of the historic solid waste burial trench to approximately 1.5 ft beyond the edge of the burial trench; excavated trenches were approximately 2 ft wide by 13 ft long. Exploratory trench T2 extended approximately 6 feet into the southern edge of a leveled surface disturbance and extended approximately 6 feet south of the southern edge (see Figure 1). Exploratory trench T3 extended from the center of a trench to approximately 10-feet south. Exploratory trenches T8 through T18 were located outside of the historic solid waste burial trenches. The purpose of these trenches was to determine if trash existed between the historic burial trenches.

Figure 1: Exploratory trench T2 viewing northwest.

The soil profile of exploratory trenches T1, T4 through T7 was relatively consistent. A summary of the trench profile is presented in Table 2, below.

Table 2: Common trench profile

Feet bgs	Trench Profile	Comments
0 to 1.5	Overburden/top soil	Some glass and metal.
1.5 to 5.5	Trash – gray ash, broken bottles, tin cans, scrap metal.	Trash mixed with fine grain sediment. See Figure 2.
5.5 to 7.5	Sandy silt, brownish orange. Dry.	
7.5 to total depth	Silty clay, orangish grey. Dry. Very hard.	

According to Mr. Bart Farris with the New Mexico Environmental Department Ground Water Quality Bureau, the burning of trash pits in the 1960s and 1970s was common practice. Therefore, the presence of ash in the trench profile is expected.

Figure 2: Common trench profile showing trash.

The excavated dirt/trash was placed in roll-off containers for disposal at a landfill per the mandate of NMED. The exploratory trenches were backfilled using native soil available at the Property and contoured to match existing topography.

Twelve (12) trash/soil samples were collected and analyzed for pesticides, herbicides, PCBs, hydrocarbons, TCLP RCRA 8 Metals, and chlorinated solvents at depths shown in Table 1.

Analytical Results

We submitted soil/trash samples to Hall Environmental located in Albuquerque, New Mexico under strict chain-of-custody for laboratory testing of:

- EPA Method 1311: TCLP RCRA 8 Metals (Hg, As, Ba, Cd, Cr, Pb, Se, Ag)
- EPA Method 8151: Herbicides
- EPA Method 300.0: Chloride
- EPA Method 8081: Pesticides
- EPA Method 8082: PCB's
- EPA Method 8260B: Volatiles

Table 3, below, is a summary of chemicals of concern that showed concentrations above the sample-specific laboratory detection limit. Samples in which a concentration is below the detection limit is considered “not detected”; and the concentration of the constituent in the sample may be zero or may be slightly less than the instrument is able to measure. Analytical testing did not detect petroleum hydrocarbons or the RCRA 8 Metals using the TCLP methodology. The laboratory certificate of analysis is presented in Appendix A.

Table 3: Summary of Analytical Results

Sample ID	DDT	DDE	Dieldrin	Aroclor 1260	Chloride	Chlordane	Heptachlor	Heptachlor epoxide	Endrin	gamma-BHC	PCE	Pentachlorophenol
units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
T1@2.5ft	0.015	0.012										
T4@3.5ft	0.016											
T5@3.5ft	0.065		0.056	0.14	240							
T6@3.5ft	0.16	0.11				1.9	0.013	0.016				
T6@9.5ft	0.049	0.012	0.01									
T7@3.5ft	0.99	0.65	0.65						0.052	0.028	2.9	
t1@5'												
t2@4'												
t3@3.5'												
t4@9'												
t5@8.5												0.011
t7@7'												

Notes:
Blank cells represent non-detect (below laboratory detection levels)

Discussion on Analytical Results

Of the twelve samples, analytical testing detected chemicals of concern in seven samples; five (5) samples were within the trash and two (2) samples in the soil underlying the trash.

We compared the average concentration of the chemicals of concern to New Mexico Environmental Department Soil Screening Levels (NMSSLs) guidance document for the 1) most conservative human health risks (Residential Soil) and 2) protective of groundwater (DAF of 20). Please refer to *http://www.nmenv.state.nm.us/HWB/documents/NMED_SSG_August_2009_Dec09TableA-1_clean.pdf* to view the complete NMSSL guidance document.

As shown in Table 4, below, the average concentration for each constituent of concern did not exceed NMSSL Residential Soil. Two chemicals of concern, Dieldrin and PCE, exceed NMSSL for DAF of 20, which is one measure of the threat to groundwater quality a site may show under certain conditions. One specific sample, T7@3.5 ft exceeded NMSSL Residential Soil target concentration for Dieldrin by 0.346 mg/kg.

Table 4: Averaged chemical of concerns concentrations compared to NMSSLs

Sample ID	DDT	DDE	Dieldrin	Aroclor 1260	Chlordane	Heptachlor	Heptachlor epoxide	Endrin	gamma-BHC	PCE	Pentachlorophenol
units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NMSSL Residential Soil	17.2	14.3	0.304	2.22	16.2	1.08	NL	18.3	5.17	6.99	29.8
NMSSL DAF of 20	13.1	9.05	0.0135	2.09	5	0.235	NL	3.52	0.0641	0.00898	0.587
T1@2.5ft	0.015	0.012	0.01	0.1	1.3	0.01	0.01	0.01	0.01	0.049	0.01
T4@3.5ft	0.016	0.01	0.01	0.1	1.2	0.01	0.01	0.01	0.01	0.05	0.01
T5@3.5ft	0.065	0.05	0.056	0.14	6.3	0.05	0.05	0.05	0.05	0.049	0.01
T6@3.5ft	0.16	0.11	0.01	0.1	1.9	0.013	0.016	0.01	0.01	0.049	0.01
T6@9.5ft	0.049	0.012	0.01	0.1	1.2	0.01	0.01	0.01	0.01	0.049	0.01
T7@3.5ft	0.99	0.65	0.65	0.2	2.5	0.02	0.02	0.052	0.028	2.9	0.01
t1@5'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.01
t2@4'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.01
t3@3.5'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.048	0.01
t4@9'	0.01	0.01	0.01	0.1	1.3	0.01	0.01	0.01	0.01	0.049	0.01
t5@8.5	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.011
t7@7'	0.002	0.002	0.002	0.02	0.25	0.002	0.002	0.002	0.002	0.05	0.01
Average	0.110	0.072	0.064	0.078	1.413	0.011	0.011	0.014	0.012	0.287	0.010

Notes:
For averaging, the laboratory detection level was used for non-detect samples
Gray shading represents non-detect samples
Pink shading denotes average concentration exceed NMSSL DAF of 20

According to the NMSSL guidance document referenced above, for samples with multiple chemicals of concern, the following equation is applied to each location specific soil sample. A Site Risk < 10^{-5} does not warrant further, site-specific evaluation. A Site Hazard Index < 1 indicates that the chemicals of concern concentrations at the site are unlikely to result in adverse health impacts.

$$\text{Site Risk} = \left(\frac{\text{conc}_x}{\text{SSL}_x} + \frac{\text{conc}_y}{\text{SSL}_y} + \frac{\text{conc}_z}{\text{SSL}_z} + \ldots + \frac{\text{conc}_i}{\text{SSL}_i} \right) \times 10^{-5}$$

$$\text{Site Hazard Index (HI)} = \left(\frac{\text{conc}_x}{\text{SSL}_x} + \frac{\text{conc}_y}{\text{SSL}_y} + \frac{\text{conc}_z}{\text{SSL}_z} + \ldots + \frac{\text{conc}_i}{\text{SSL}_i} \right) \times 1$$

Figure 3: NMSSL calculations for multiple chemicals of concern

Note:
The Site Risk is used for carcinogens.
The Site Hazard Index (HI) is used for non-carcinogens.

We applied the equations presented in Figure 3, above, to calculate for the risks posed by multiple chemicals of concern for human health risk exposure to 1) the trash/soil and 2) the soil below the trash. As shown in Tables 5 and 6, below, human health risk does not exceed the established criteria.

Table 5: Site Hazard Index and Site Index in Trash for NMSSL Residential Soil

Sample ID	DDT	DDE	Dieldrin	Aroclor 1260	Chlordane	Heptachlor	Endrin	gamma-BHC	PCE	Pentachlorophenol		
											Hazard Index	Site Index
T1@2.5ft	0.0009	0.0008	0.0329	0.0450	0.0802	0.0093	0.0005	0.0019	0.0070	0.0003	0.18	1.8E-06
T4@3.5ft	0.0009	0.0007	0.0329	0.0450	0.0741	0.0093	0.0005	0.0019	0.0072	0.0003	0.17	1.7E-06
T5@3.5ft	0.0038	0.0035	0.1842	0.0631	0.3889	0.0463	0.0027	0.0097	0.0070	0.0003	0.71	7.1E-06
T6@3.5ft	0.0093	0.0077	0.0329	0.0450	0.1173	0.0120	0.0005	0.0019	0.0070	0.0003	0.23	2.3E-06
T7@3.5ft	0.0576	0.0455	2.1382	0.0901	0.1543	0.0185	0.0028	0.0054	0.4149	0.0003	2.93	2.9E-05
Average											0.84	8.4E-06

Table 5 provides an analysis of risk posed by the site "as is". According to this analysis, the exposed trash could be left in-place at a residential site.

Table 6: Site Hazard Index and Site Index in Soil Underlying Trash for NMSSL Residential Soil

Sample ID	DDT	DDE	Dieldrin	Aroclor 1260	Chlordane	Heptachlor	Endrin	gamma-BHC	PCE	Pentachlorophenol		
											Hazard Index	Site Index
T6@9.5ft	0.0028	0.0008	0.0329	0.0450	0.0741	0.0093	0.0005	0.0019	0.0070	0.0003	0.17	1.7E-06
t1@5'	0.0001	0.0001	0.0066	0.0090	0.0154	0.0019	0.0001	0.0004	0.0072	0.0003	0.04	4.1E-07
t2@4'	0.0001	0.0001	0.0066	0.0090	0.0154	0.0019	0.0001	0.0004	0.0072	0.0003	0.04	4.1E-07
t3@3.5'	0.0001	0.0001	0.0066	0.0090	0.0154	0.0019	0.0001	0.0004	0.0069	0.0003	0.04	4.1E-07
t4@9'	0.0006	0.0007	0.0329	0.0450	0.0802	0.0093	0.0005	0.0019	0.0070	0.0003	0.18	1.8E-06
t5@8.5	0.0001	0.0001	0.0066	0.0090	0.0154	0.0019	0.0001	0.0004	0.0072	0.0004	0.04	4.1E-07
t7@7'	0.0001	0.0001	0.0066	0.0090	0.0154	0.0019	0.0001	0.0004	0.0072	0.0003	0.04	4.1E-07
Average											0.08	8.0E-07

Table 6 provides an analysis of risk posed by the site if the trash were removed and the underlying soil left in place. According to this analysis, the soil beneath the trash may be exposed to occupants at a residential site.

Table 7, below, presents the Site Hazard Index and Site Index for a construction worker. These indices represent a situation where the trash/soil and soil underneath the trash is mixed. This exposure pathway would occur if the solid waste was to be buried on-site. The calculated risk profile is below the established standards for a construction worker.

Table 7: Hazard Index and Site Index for NMSSL Construction Worker

Sample ID	DDT	DDE	Dieldrin	Aroclor 1260	Chlordane	Heptachlor	Endrin	gamma-BHC	PCE	Pentachlorophenol		
NMSSL Construction Worker	142	490	10.3	75.8	135	36.8	71.5	83	338	1030		
											Hazard Index	Site Index
T1@2.5ft	0.00011	0.00002	0.00097	0.00132	0.00963	0.00027	0.00014	0.00012	0.00014	0.00001	0.01	1.3E-07
T4@3.5ft	0.00011	0.00002	0.00097	0.00132	0.00889	0.00027	0.00014	0.00012	0.00015	0.00001	0.01	1.2E-07
T5@3.5ft	0.00046	0.00010	0.00544	0.00185	0.04667	0.00136	0.00070	0.00060	0.00014	0.00001	0.06	5.7E-07
T6@3.5ft	0.00113	0.00022	0.00097	0.00132	0.01407	0.00035	0.00014	0.00012	0.00014	0.00001	0.02	1.8E-07
T6@9.5ft	0.00035	0.00002	0.00097	0.00132	0.00889	0.00027	0.00014	0.00012	0.00014	0.00001	0.01	1.2E-07
T7@3.5ft	0.00697	0.00133	0.06311	0.00264	0.01852	0.00054	0.00073	0.00034	0.00858	0.00001	0.10	1.0E-06
t1@5'	0.00001	0.00000	0.00019	0.00026	0.00185	0.00005	0.00003	0.00002	0.00015	0.00001	0.00	2.6E-08
t2@4'	0.00001	0.00000	0.00019	0.00026	0.00185	0.00005	0.00003	0.00002	0.00015	0.00001	0.00	2.6E-08
t3@3.5'	0.00001	0.00000	0.00019	0.00026	0.00185	0.00005	0.00003	0.00002	0.00014	0.00001	0.00	2.6E-08
t4@9'	0.00007	0.00002	0.00097	0.00132	0.00963	0.00027	0.00014	0.00012	0.00014	0.00001	0.01	1.3E-07
t5@8.5	0.00001	0.00000	0.00019	0.00026	0.00185	0.00005	0.00003	0.00002	0.00015	0.00001	0.00	2.6E-08
t7@7'	0.00001	0.00000	0.00019	0.00026	0.00185	0.00005	0.00003	0.00002	0.00015	0.00001	0.00	2.6E-08
Average											0.02	2.0E-07

Discussion on buried waste disposal costs

Measurements of the buried waste disposal trenches from aerial photographs agree with measurements obtained during our exploratory trenching activities. Therefore, we used buried waste trench lengths and widths from the aerial photographs and an average trash thickness of 6-feet determined from our exploratory trenching to calculate the volume of waste to be removed. We then multiplied the calculated volumes by excavation contractor fees to develop a high and low cost to remove the buried waste. Table 8 presents three waste management options showing the high and low costs.

Table 8: Waste disposal options and cost

	High Cost Estimate	Low Cost Estimate
Option 1: Excavate Waste - Dispose at Landfill	$ 913,533.91	$ 798,233.52
Option 2: Excavate Waste - Screen-Dispose Trash at Landfill	$ 877,340.45	$ 667,117.50
Option 3: Excavate Waste - Bury in On-site Disposal Cell	$ 385,326.26	$ 202,803.13

Notes:

- A 10% provision for additional laboratory expenses was added to Option 1 and Option 2.
- A 30% provision for additional laboratory and engineering expenses was added to Option 3.

The three options are discussed below.

Option 1: Excavate Waste – Dispose at landfill
Option 2: Excavate Waste – Screen and dispose trash at landfill
Option 3: Excavate Waste – Bury on-site cell

Option 1: Excavate Waste - Dispose at Landfill

Excavating the overburden and buried waste off-site for proper disposal removes the trash and associated chemicals of concern to a permitted landfill. This option can be implemented with a very high degree of technical and regulatory certainty. Tables 9 and 10, below, show itemized high and low costs, respectively. Plate 2 shows the trench locations identified in the table.

Table 9: High Cost Detail - option 1 dispose at landfill

Overburden						
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		$ 7.00	$ 7.00	$ 37.50
Waste Trench A	13885.92	20828.88	771.44			
Waste Trench B	4591.35	6887.03	255.08			
Waste Trench C	6359.29	9538.94	353.29			
Waste Trench D	4096.67	6145.01	227.59			
Waste Trench E	3680.06	5520.09	204.45			
Waste Trench F	4350.46	6525.69	241.69			
Waste Trench G	10946.79	16420.19	608.16			
Waste Trench H	5187.97	7781.96	288.22			
Shallow Trench	14864.51	22296.77	825.81			
		Overburden Total	3775.72	$ 26,430.06	$ 26,430.06	$ 141,589.63

Trash						
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		$ 7.00	$ 7.00	$ 37.50
Waste Trench A	13885.92	83315.52	3085.76			
Waste Trench B	4591.35	27548.10	1020.30			
Waste Trench C	6359.29	38155.74	1413.18			
Waste Trench D	4096.67	24580.02	910.37			
Waste Trench E	3680.06	22080.36	817.79			
Waste Trench F	4350.46	26102.76	966.77			
Waste Trench G	10946.79	65680.74	2432.62			
Waste Trench H	5187.97	31127.82	1152.88			
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54			
		Trash Total	12350.21	$ 86,451.44	$ 86,451.44	$ 463,132.74

Total Excavation	$ 112,881.51
Total Trucking	$ 112,881.51
Total Tipping	$ 604,722.36
Total Cost	**$ 830,485.38**

Note: Add a 10% provision for additional laboratory expenses

Table 10: Low Cost Detail - option 1 dispose at landfill

Overburden						
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		$ 3.50	$ 4.00	$ 37.50
Waste Trench A	13885.92	20828.88	771.44			
Waste Trench B	4591.35	6887.03	255.08			
Waste Trench C	6359.29	9538.94	353.29			
Waste Trench D	4096.67	6145.01	227.59			
Waste Trench E	3680.06	5520.09	204.45			
Waste Trench F	4350.46	6525.69	241.69			
Waste Trench G	10946.79	16420.19	608.16			
Waste Trench H	5187.97	7781.96	288.22			
Shallow Trench	14864.51	22296.77	825.81			
		Overburden Total	3775.72	$ 13,215.03	$ 15,102.89	$ 141,589.63

Trash						
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		$ 3.50	$ 4.00	$ 37.50
Waste Trench A	13885.92	83315.52	3085.76			
Waste Trench B	4591.35	27548.10	1020.30			
Waste Trench C	6359.29	38155.74	1413.18			
Waste Trench D	4096.67	24580.02	910.37			
Waste Trench E	3680.06	22080.36	817.79			
Waste Trench F	4350.46	26102.76	966.77			
Waste Trench G	10946.79	65680.74	2432.62			
Waste Trench H	5187.97	31127.82	1152.88			
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54			
		Trash Total	12350.21	$ 43,225.72	$ 49,400.83	$ 463,132.74

Total Excavation	$ 56,440.75
Total Trucking	$ 64,503.72
Total Tipping	$ 604,722.36
Total Cost	**$ 725,666.83**

Note: Add a 10% provision for additional laboratory expenses

Option 2: Excavate Waste: Screen & Dispose Trash at Landfill

Option 2 provides the least degree of technical certainty as screening out all of the broken glass, scrap metal, and miscellaneous trash may not be feasible due to trash size and soil physical characteristics. Tables 11 and 12, below, show itemized high and low costs, respectively.

Table 11: High Cost Detail - option 2 screen and dispose trash at landfill

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		$ 7.00	$ 15.00	$ 7.00	$ 37.50
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		Overburden Total	3775.72	$ 26,430.06	$ 56,635.85	$ 26,430.06	$ 141,589.63

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		$ 7.00	$ 15.00	$ 7.00	$ 37.50
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		Trash Total	12350.21	$ 86,451.44	$ 185,253.09	$ 43,225.72	$ 231,566.37

Total Excavation	$ 112,881.51
Total Trucking	$ 69,655.79
Total Tipping	$ 373,155.99
Screening	$ 241,888.94
Total Cost	**$ 797,582.23**

Note: Add a 10% provision for additional laboratory expenses.

Table 12: Low Cost Detail - option 2 screen and dispose trash at landfill

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		1.5		$ 2.00	$ 10.00	$ 4.00	$ 37.50
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		Overburden Total	3775.72	$ 7,551.45	$ 37,757.23	$ 15,102.89	$ 141,589.63

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Screen to Reduce Volume by 50%	Trucking (per cu. yd.)	Tipping (per cu. yd.)
		6.0		$ 2.00	$ 10.00	$ 4.00	$ 37.50
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		Trash Total	12350.21	$ 24,700.41	$ 123,502.06	$ 24,700.41	$ 231,566.37

Total Excavation	$ 32,251.86
Total Trucking	$ 39,803.31
Total Tipping	$ 373,155.99
Screening	$ 161,259.30
Total Cost	**$ 606,470.45**

Note: Add a 10% provision for additional laboratory expenses.

Option 3: Excavate Waste - Bury On-site

Option 3 provides a high level of technical certainty but this option may not be feasible if NMED does not allow on-site disposal in an engineered disposal cell. Discussions with NMED is necessary to reduce the uncertainty regarding the regulatory feasibility of this option. We did not undertake these discussions in the course of this Phase II ESA inquiry. Tables 13 and 14, below, show itemized high and low costs, respectively.

Table 13: High Cost Detail - option 3 on-site disposal

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed ($/ft2)
		1.5		$ 7.00	$ 4.00	$ 4.00	$ 0.32
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		Overburden Total	3775.72	$ 26,430.06	$ 25,624.00	$ 15,102.89	$ 3,120.00

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed ($/ft2)
		6.0		$ 7.00	$ 4.00	$ 4.00	$ 0.32
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		Trash Total	12350.21	$ 86,451.44	$ 102,496.00	$ 24,700.41	$ 12,480.00

Total Excavate to Dump Truck	$ 112,881.51
Total Trucking to Burial Cell	$ 39,803.31
Total Burial Cell	$ 128,120.00
Total Liner	$ 15,600.00
Total Cost	**$ 296,404.81**

Note: Add a 30% provision for additional laboratory and engineering expenses as this option will require more testing, more evaluation and more permitting than Option 1.

Table 14: Low Cost Detail - option 3 on-site disposal

Overburden							
Trench Type	areaSqFt	Cu ft at 1.5 ft depth (overburden)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed ($/ft2)
		1.5		$ 3.50	$ 2.00	$ 2.00	$ 0.32
Waste Trench A	13885.92	20828.88	771.44				
Waste Trench B	4591.35	6887.03	255.08				
Waste Trench C	6359.29	9538.94	353.29				
Waste Trench D	4096.67	6145.01	227.59				
Waste Trench E	3680.06	5520.09	204.45				
Waste Trench F	4350.46	6525.69	241.69				
Waste Trench G	10946.79	16420.19	608.16				
Waste Trench H	5187.97	7781.96	288.22				
Shallow Trench	14864.51	22296.77	825.81				
		Overburden Total	3775.72	$ 13,215.03	$ 12,812.00	$ 7,551.45	$ 3,120.00

Trash							
Trench Type	areaSqFt	Cu ft at 6 ft depth (trash)	volCuYrds	Excavate to Dump Truck	Excavate Burial Cell	Truck to Burial Cell	Liner Installed ($/ft2)
		6.0		$ 3.50	$ 2.00	$ 2.00	$ 0.32
Waste Trench A	13885.92	83315.52	3085.76				
Waste Trench B	4591.35	27548.10	1020.30				
Waste Trench C	6359.29	38155.74	1413.18				
Waste Trench D	4096.67	24580.02	910.37				
Waste Trench E	3680.06	22080.36	817.79				
Waste Trench F	4350.46	26102.76	966.77				
Waste Trench G	10946.79	65680.74	2432.62				
Waste Trench H	5187.97	31127.82	1152.88				
Surface Trench	14864.51	14864.51 (1ft depth trash)	550.54				
		Trash Total	12350.21	$ 43,225.72	$ 51,248.00	$ 12,350.21	$ 12,480.00

Total Excavate to Dump Truck	$ 56,440.75
Total Trucking to Burial Cell	$ 19,901.65
Total Burial Cell	$ 64,060.00
Total Liner	$ 15,600.00
Total Cost	**$ 156,002.41**

Note: Add a 30% provision for additional laboratory and engineering expenses as this option will require more testing, more evaluation and more permitting than Option 1.

Conclusion

Pesticides, herbicides, PCBs, and chlorinated solvents exist in the trash and/or in the underlying soil. Comparing the chemicals of concern to NMSSLs show that the calculated risk posed by these constituents do not exceed "acceptable risks", as defined by New Mexico guidance. The lack of elevated concentrations of constituents in soil underlying the trash show that impairment to groundwater is highly unlikely.

We believe *Option 1: Excavate Waste – Dispose at landfill* is a reasonable option if the Property is going to be used for a school. Option 1 provides the highest level of regulatory certainty for reducing human exposure risks to chemicals of concern, broken glass and scrap metal; and reduces the risk of impairment to groundwater at the Property. A high degree of regulatory certainty generally translates into a shorter permitting schedule. The cost of this option ranges from $830,485 to $725,667. Add a 10% provision for additional laboratory testing.

An alternative is *Option 3: Excavate Waste – Bury in an on-site disposal cell*. Option 3 has a lower level of regulatory certainty than Option 1. Option 3 will require more detailed NMED review than Option 1 and introduces additional costs to construct an engineered disposal cell. The placement of the engineered disposal cell must be apart from any building footprints. Parking lots may or may not be able to be built over the buried waste due to differential compaction and settling concerns. In addition, no landscaping requiring supplemental irrigation is advised over the buried waste. The cost of this option ranges from $296,405 to $156,002. Add a 30% provision for engineering, permitting and additional laboratory testing.

Option 2: Excavate Waste – Screen and dispose trash at landfill is not recommended as this option has the least level of technical and regulatory certainty. Screening the soil may not be technically feasible due to physical characteristics of the trash and soil. Screening the trash may introduce trash that passes through the screen to accumulate at the surface. The cost of this option ranges from $797,582 to $606,470. Add a 10% provision for additional laboratory testing.

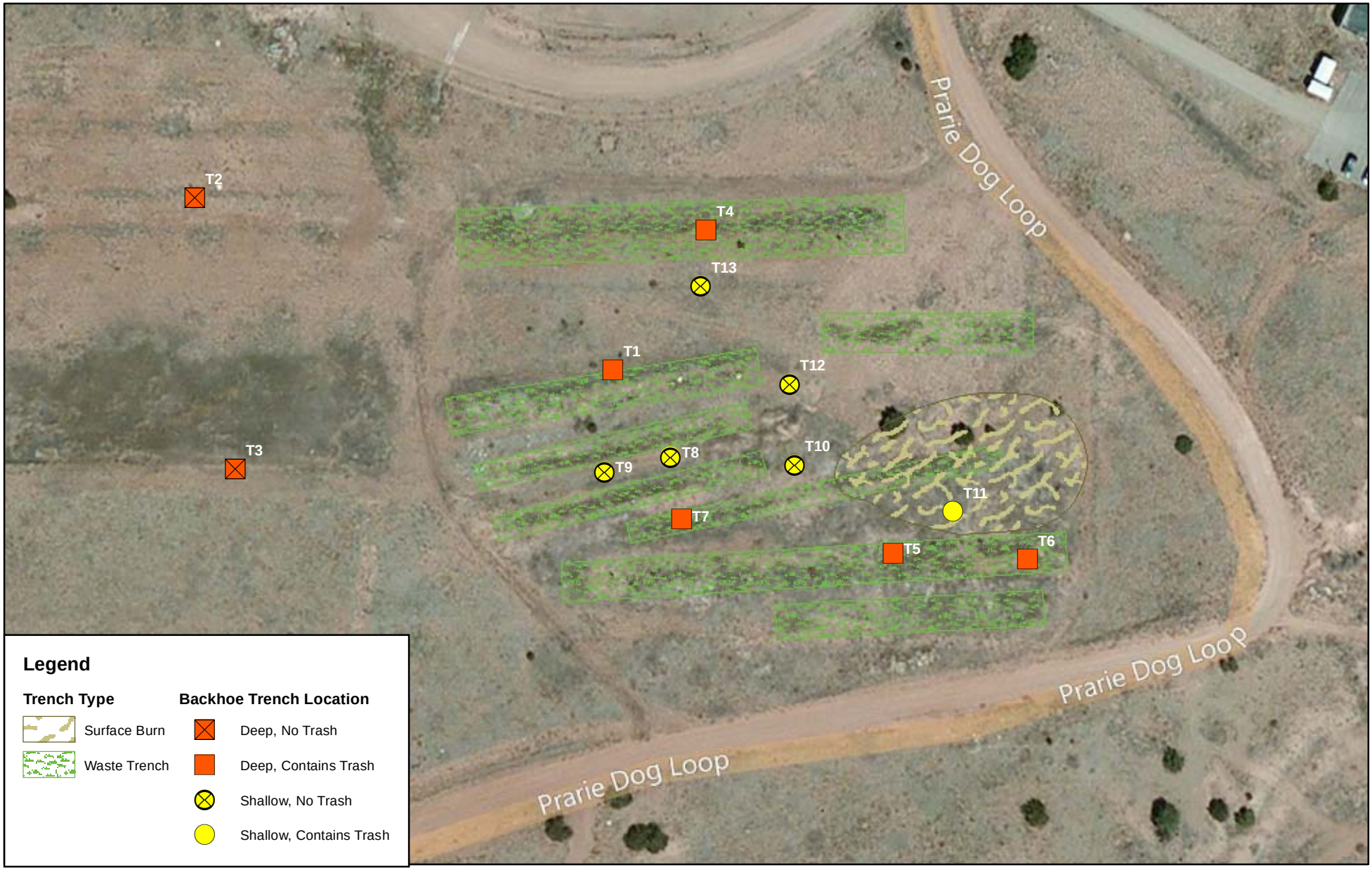
Please contact RT Hicks Consultants in our Albuquerque at 505-266-5004 with any questions.

Sincerely,
R.T. Hicks Consultants

Andrew Parker
Project Manager

Plates

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104



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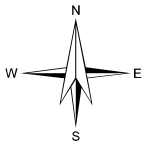
R.T. Hicks Consultants, Ltd
901 Rio Grande Blvd NW Suite F-142
Albuquerque, NM 87104
Ph: 505.266.5004

Location of Exploratory Trenches

Santa Fe Public Schools - Phase II ESA
County Rd 62 and Prairie Dog Loop

Plate 1

February
2012



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R.T. Hicks Consultants, Ltd
901 Rio Grande Blvd NW Suite F-142
Albuquerque, NM 87104
Ph: 505.266.5004

Waste Trenches For Volume Calculations

Plate 2

Santa Fe Public Schools - Phase II ESA
County Rd 62 and Prairie Dog Loop

February 2012

Appendix A

Laboratory Certificate of Analysis

R.T. Hicks Consultants, Ltd.

901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

February 10, 2012

Andrew Parker

R.T. Hicks Consultants, LTD
901 Rio Grande Blvd. NW
Suite F-142

Albuquerque, NM 87104
TEL: (505) 266-5004

FAX (505) 266-0745

RE: SFPS Agua Fria Alternate OrderNo.: 1201868

Dear Andrew Parker:

Hall Environmental Analysis Laboratory received 12 sample(s) on 1/31/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T1@2.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 8:55:00 AM
Lab ID: 1201868-001
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
4,4´-DDE	0.012	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
4,4´-DDT	0.015	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Chlordane	ND	1.3		mg/Kg	1	2/1/2012 2:51:40 PM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 2:51:40 PM
Toxaphene	ND	1.3		mg/Kg	1	2/1/2012 2:51:40 PM
Surr: Decachlorobiphenyl	122	37.7-135		%REC	1	2/1/2012 2:51:40 PM
Surr: Tetrachloro-m-xylene	126	35.6-156		%REC	1	2/1/2012 2:51:40 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1221	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1232	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1242	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1248	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1254	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Aroclor 1260	ND	0.10		mg/Kg	1	2/1/2012 2:35:16 PM
Surr: Decachlorobiphenyl	46.0	24.4-106		%REC	1	2/1/2012 2:35:16 PM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 12:52:26 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAG**
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM
Barium	ND	100		mg/L	1	2/3/2012 3:01:10 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:01:10 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM
Selenium	ND	1.0		mg/L	1	2/3/2012 3:01:10 PM
Silver	ND	5.0		mg/L	1	2/3/2012 3:01:10 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T1@2.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 8:55:00 AM
Lab ID: 1201868-001
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:42:18 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:42:18 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 1:42:18 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 1:42:18 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 1:42:18 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T1@2.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 8:55:00 AM
Lab ID: 1201868-001
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 1:42:18 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 1:42:18 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 1:42:18 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 1:42:18 PM
Surr: 1,2-Dichloroethane-d4	92.0	70-130		%REC	1	2/1/2012 1:42:18 PM
Surr: 4-Bromofluorobenzene	93.0	70-130		%REC	1	2/1/2012 1:42:18 PM
Surr: Dibromofluoromethane	104	71.7-132		%REC	1	2/1/2012 1:42:18 PM
Surr: Toluene-d8	94.0	70-130		%REC	1	2/1/2012 1:42:18 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T1@5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 9:08:00 AM
Lab ID: 1201868-002
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
4,4´-DDE	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
4,4´-DDT	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 1:25:28 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 1:25:28 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 1:25:28 PM
Surr: Decachlorobiphenyl	76.0	37.7-135		%REC	1	2/1/2012 1:25:28 PM
Surr: Tetrachloro-m-xylene	93.2	35.6-156		%REC	1	2/1/2012 1:25:28 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1221	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1232	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1242	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1248	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1254	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Aroclor 1260	ND	0.020		mg/Kg	1	2/1/2012 3:20:09 PM
Surr: Decachlorobiphenyl	68.8	24.4-106		%REC	1	2/1/2012 3:20:09 PM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 12:54:12 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAG**
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM
Barium	ND	100		mg/L	1	2/3/2012 3:21:15 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:21:15 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:49:09 AM
Silver	ND	5.0		mg/L	1	2/3/2012 3:21:15 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T1@5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 9:08:00 AM
Lab ID: 1201868-002
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Naphthalene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 12:45:51 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 12:45:51 PM
Acetone	ND	0.75		mg/Kg	1	2/1/2012 12:45:51 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 12:45:51 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Chloroethane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 12:45:51 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Dibromomethane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T1@5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 9:08:00 AM
Lab ID: 1201868-002
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 12:45:51 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 12:45:51 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 12:45:51 PM
Xylenes, Total	ND	0.10		mg/Kg	1	2/1/2012 12:45:51 PM
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%REC	1	2/1/2012 12:45:51 PM
Surr: 4-Bromofluorobenzene	96.9	70-130		%REC	1	2/1/2012 12:45:51 PM
Surr: Dibromofluoromethane	104	71.7-132		%REC	1	2/1/2012 12:45:51 PM
Surr: Toluene-d8	96.6	70-130		%REC	1	2/1/2012 12:45:51 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T2@4ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 10:00:00 AM
Lab ID: 1201868-003
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
4,4´-DDE	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
4,4´-DDT	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 1:42:41 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 1:42:41 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 1:42:41 PM
Surr: Decachlorobiphenyl	66.8	37.7-135		%REC	1	2/1/2012 1:42:41 PM
Surr: Tetrachloro-m-xylene	68.8	35.6-156		%REC	1	2/1/2012 1:42:41 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1221	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1232	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1242	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1248	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1254	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Aroclor 1260	ND	0.020		mg/Kg	1	2/1/2012 5:35:04 PM
Surr: Decachlorobiphenyl	58.0	24.4-106		%REC	1	2/1/2012 5:35:04 PM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 12:55:57 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAG**
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM
Barium	ND	100		mg/L	1	2/3/2012 3:23:25 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:23:25 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:51:20 AM
Silver	ND	5.0		mg/L	1	2/3/2012 3:23:25 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T2@4ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 10:00:00 AM
Lab ID: 1201868-003
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 3:06:24 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 3:06:24 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 3:06:24 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 3:06:24 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 3:06:24 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T2@4ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 10:00:00 AM
Lab ID: 1201868-003
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 3:06:24 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 3:06:24 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 3:06:24 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 3:06:24 PM
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%REC	1	2/1/2012 3:06:24 PM
Surr: 4-Bromofluorobenzene	93.8	70-130		%REC	1	2/1/2012 3:06:24 PM
Surr: Dibromofluoromethane	105	71.7-132		%REC	1	2/1/2012 3:06:24 PM
Surr: Toluene-d8	95.7	70-130		%REC	1	2/1/2012 3:06:24 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T3@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 10:30:00 AM
Lab ID: 1201868-004
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
4,4´-DDE	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
4,4´-DDT	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 1:59:55 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 1:59:55 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 1:59:55 PM
Surr: Decachlorobiphenyl	55.9	37.7-135		%REC	1	2/1/2012 1:59:55 PM
Surr: Tetrachloro-m-xylene	66.8	35.6-156		%REC	1	2/1/2012 1:59:55 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1221	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1232	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1242	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1248	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1254	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Aroclor 1260	ND	0.020		mg/Kg	1	2/1/2012 6:20:02 PM
Surr: Decachlorobiphenyl	43.6	24.4-106		%REC	1	2/1/2012 6:20:02 PM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:02:59 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAG**
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM
Barium	ND	100		mg/L	1	2/3/2012 3:38:59 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:38:59 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:53:31 AM
Silver	ND	5.0		mg/L	1	2/3/2012 3:38:59 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T3@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 10:30:00 AM
Lab ID: 1201868-004
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Toluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Ethylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Methyl tert-butyl ether (MTBE)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,4-Trimethylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,3,5-Trimethylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dichloroethane (EDC)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dibromoethane (EDB)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Naphthalene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1-Methylnaphthalene	ND	0.19		mg/Kg	1	2/1/2012 3:34:23 PM
2-Methylnaphthalene	ND	0.19		mg/Kg	1	2/1/2012 3:34:23 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 3:34:23 PM
Bromobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Bromodichloromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Bromoform	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 3:34:23 PM
2-Butanone	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM
Carbon disulfide	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM
Carbon tetrachloride	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Chlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Chloroethane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Chloroform	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 3:34:23 PM
2-Chlorotoluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
4-Chlorotoluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
cis-1,2-DCE	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
cis-1,3-Dichloropropene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dibromo-3-chloropropane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Dibromochloromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Dibromomethane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,3-Dichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,4-Dichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Dichlorodifluoromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1-Dichloroethane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,1-Dichloroethene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2-Dichloropropane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,3-Dichloropropane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
2,2-Dichloropropane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,1-Dichloropropene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Hexachlorobutadiene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
2-Hexanone	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T3@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 10:30:00 AM
Lab ID: 1201868-004
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
4-Isopropyltoluene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
4-Methyl-2-pentanone	ND	0.48		mg/Kg	1	2/1/2012 3:34:23 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 3:34:23 PM
n-Butylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
n-Propylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
sec-Butylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Styrene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
tert-Butylbenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,1,2-Tetrachloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,2,2-Tetrachloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Tetrachloroethene (PCE)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
trans-1,2-DCE	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
trans-1,3-Dichloropropene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,3-Trichlorobenzene	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,4-Trichlorobenzene	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,1-Trichloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,1,2-Trichloroethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Trichloroethene (TCE)	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Trichlorofluoromethane	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
1,2,3-Trichloropropane	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Vinyl chloride	ND	0.048		mg/Kg	1	2/1/2012 3:34:23 PM
Xylenes, Total	ND	0.097		mg/Kg	1	2/1/2012 3:34:23 PM
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%REC	1	2/1/2012 3:34:23 PM
Surr: 4-Bromofluorobenzene	97.7	70-130		%REC	1	2/1/2012 3:34:23 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 3:34:23 PM
Surr: Toluene-d8	97.0	70-130		%REC	1	2/1/2012 3:34:23 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T4@9ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 11:30:00 AM
Lab ID: 1201868-005
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
4,4´-DDE	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
4,4´-DDT	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Chlordane	ND	1.3		mg/Kg	1	2/1/2012 12:12:49 PM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 12:12:49 PM
Toxaphene	ND	1.3		mg/Kg	1	2/1/2012 12:12:49 PM
Surr: Decachlorobiphenyl	95.6	37.7-135		%REC	1	2/1/2012 12:12:49 PM
Surr: Tetrachloro-m-xylene	98.6	35.6-156		%REC	1	2/1/2012 12:12:49 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1221	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1232	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1242	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1248	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1254	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Aroclor 1260	ND	0.10		mg/Kg	1	2/1/2012 7:05:09 PM
Surr: Decachlorobiphenyl	40.0	24.4-106		%REC	1	2/1/2012 7:05:09 PM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 12:57:42 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM
Barium	ND	100		mg/L	1	2/7/2012 7:55:42 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 7:55:42 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM
Lead	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:55:42 AM
Silver	ND	5.0		mg/L	1	2/7/2012 7:55:42 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T4@9ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 11:30:00 AM
Lab ID: 1201868-005
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:02:23 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:02:23 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 4:02:23 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 4:02:23 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 4:02:23 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T4@9ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 11:30:00 AM
Lab ID: 1201868-005
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 4:02:23 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 4:02:23 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 4:02:23 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 4:02:23 PM
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%REC	1	2/1/2012 4:02:23 PM
Surr: 4-Bromofluorobenzene	93.2	70-130		%REC	1	2/1/2012 4:02:23 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 4:02:23 PM
Surr: Toluene-d8	97.7	70-130		%REC	1	2/1/2012 4:02:23 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T4@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 11:00:00 AM
Lab ID: 1201868-006
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
4,4´-DDE	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
4,4´-DDT	0.016	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Chlordane	ND	1.2		mg/Kg	1	2/1/2012 11:55:35 AM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 11:55:35 AM
Toxaphene	ND	1.2		mg/Kg	1	2/1/2012 11:55:35 AM
Surr: Decachlorobiphenyl	98.6	37.7-135		%REC	1	2/1/2012 11:55:35 AM
Surr: Tetrachloro-m-xylene	113	35.6-156		%REC	1	2/1/2012 11:55:35 AM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1221	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1232	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1242	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1248	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1254	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Aroclor 1260	ND	0.10		mg/Kg	1	2/1/2012 11:35:00 PM
Surr: Decachlorobiphenyl	78.0	24.4-106		%REC	1	2/1/2012 11:35:00 PM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:04:45 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM
Barium	ND	100		mg/L	1	2/7/2012 7:57:53 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 7:57:53 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM
Lead	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 7:57:53 AM
Silver	ND	5.0		mg/L	1	2/7/2012 7:57:53 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T4@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 11:00:00 AM
Lab ID: 1201868-006
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:30:31 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:30:31 PM
Acetone	ND	0.75		mg/Kg	1	2/1/2012 4:30:31 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 4:30:31 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 4:30:31 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T4@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 11:00:00 AM
Lab ID: 1201868-006
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 4:30:31 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 4:30:31 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 4:30:31 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 4:30:31 PM
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%REC	1	2/1/2012 4:30:31 PM
Surr: 4-Bromofluorobenzene	93.1	70-130		%REC	1	2/1/2012 4:30:31 PM
Surr: Dibromofluoromethane	103	71.7-132		%REC	1	2/1/2012 4:30:31 PM
Surr: Toluene-d8	99.8	70-130		%REC	1	2/1/2012 4:30:31 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T5@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:15:00 PM
Lab ID: 1201868-007
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
4,4´-DDE	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
4,4´-DDT	0.065	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Aldrin	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
alpha-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
beta-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Chlordane	ND	6.3		mg/Kg	5	2/1/2012 3:08:59 PM
delta-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Dieldrin	0.056	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endosulfan I	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endosulfan II	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endosulfan sulfate	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endrin	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Endrin aldehyde	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
gamma-BHC	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Heptachlor	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Heptachlor epoxide	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Methoxychlor	ND	0.050		mg/Kg	5	2/1/2012 3:08:59 PM
Toxaphene	ND	6.3		mg/Kg	5	2/1/2012 3:08:59 PM
Surr: Decachlorobiphenyl	140	37.7-135	S	%REC	5	2/1/2012 3:08:59 PM
Surr: Tetrachloro-m-xylene	127	35.6-156		%REC	5	2/1/2012 3:08:59 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1221	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1232	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1242	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1248	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1254	ND	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Aroclor 1260	0.14	0.10		mg/Kg	1	2/2/2012 12:20:05 AM
Surr: Decachlorobiphenyl	74.0	24.4-106		%REC	1	2/2/2012 12:20:05 AM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Chloride	240	30		mg/Kg	20	2/1/2012 1:43:39 PM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:06:31 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **RAG**
Arsenic	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM
Barium	ND	100		mg/L	1	2/3/2012 3:03:23 PM
Cadmium	ND	1.0		mg/L	1	2/3/2012 3:03:23 PM
Chromium	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM
Lead	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T5@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:15:00 PM
Lab ID: 1201868-007
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 6010B: TCLP METALS						Analyst: **RAG**
Selenium	ND	1.0		mg/L	1	2/3/2012 3:03:23 PM
Silver	ND	5.0		mg/L	1	2/3/2012 3:03:23 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:14:05 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 1:14:05 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 1:14:05 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 1:14:05 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 1:14:05 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T5@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:15:00 PM
Lab ID: 1201868-007
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 1:14:05 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 1:14:05 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 1:14:05 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 1:14:05 PM
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%REC	1	2/1/2012 1:14:05 PM
Surr: 4-Bromofluorobenzene	94.8	70-130		%REC	1	2/1/2012 1:14:05 PM
Surr: Dibromofluoromethane	104	71.7-132		%REC	1	2/1/2012 1:14:05 PM
Surr: Toluene-d8	96.7	70-130		%REC	1	2/1/2012 1:14:05 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T5@8.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:30:00 PM
Lab ID: 1201868-008
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
4,4´-DDE	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
4,4´-DDT	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 2:17:10 PM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 2:17:10 PM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 2:17:10 PM
Surr: Decachlorobiphenyl	65.8	37.7-135		%REC	1	2/1/2012 2:17:10 PM
Surr: Tetrachloro-m-xylene	78.1	35.6-156		%REC	1	2/1/2012 2:17:10 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1221	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1232	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1242	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1248	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1254	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Aroclor 1260	ND	0.020		mg/Kg	1	2/2/2012 1:05:14 AM
Surr: Decachlorobiphenyl	53.6	24.4-106		%REC	1	2/2/2012 1:05:14 AM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:08:18 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM
Barium	ND	100		mg/L	1	2/7/2012 8:00:12 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:00:12 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:00:12 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:00:12 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T5@8.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:30:00 PM
Lab ID: 1201868-008
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:58:34 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 4:58:34 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 4:58:34 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 4:58:34 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 4:58:34 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T5@8.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:30:00 PM
Lab ID: 1201868-008
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 4:58:34 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 4:58:34 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 4:58:34 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 4:58:34 PM
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%REC	1	2/1/2012 4:58:34 PM
Surr: 4-Bromofluorobenzene	96.9	70-130		%REC	1	2/1/2012 4:58:34 PM
Surr: Dibromofluoromethane	105	71.7-132		%REC	1	2/1/2012 4:58:34 PM
Surr: Toluene-d8	93.9	70-130		%REC	1	2/1/2012 4:58:34 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T6@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:45:00 PM
Lab ID: 1201868-009
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
4,4´-DDE	0.11	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
4,4´-DDT	0.16	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Chlordane	1.9	1.3		mg/Kg	1	2/1/2012 11:38:18 AM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Dieldrin	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Heptachlor	0.013	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Heptachlor epoxide	0.016	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 11:38:18 AM
Toxaphene	ND	1.3		mg/Kg	1	2/1/2012 11:38:18 AM
Surr: Decachlorobiphenyl	97.6	37.7-135		%REC	1	2/1/2012 11:38:18 AM
Surr: Tetrachloro-m-xylene	107	35.6-156		%REC	1	2/1/2012 11:38:18 AM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1221	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1232	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1242	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1248	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1254	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Aroclor 1260	ND	0.10		mg/Kg	1	2/2/2012 1:50:22 AM
Surr: Decachlorobiphenyl	86.0	24.4-106		%REC	1	2/2/2012 1:50:22 AM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:10:05 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM
Barium	ND	100		mg/L	1	2/7/2012 8:04:02 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:04:02 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:04:02 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:04:02 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T6@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:45:00 PM
Lab ID: 1201868-009
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:26:34 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:26:34 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 5:26:34 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 5:26:34 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 5:26:34 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T6@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 1:45:00 PM
Lab ID: 1201868-009
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 5:26:34 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 5:26:34 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 5:26:34 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 5:26:34 PM
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%REC	1	2/1/2012 5:26:34 PM
Surr: 4-Bromofluorobenzene	94.0	70-130		%REC	1	2/1/2012 5:26:34 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 5:26:34 PM
Surr: Toluene-d8	95.4	70-130		%REC	1	2/1/2012 5:26:34 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T6@9.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 2:15:00 PM
Lab ID: 1201868-010
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
4,4´-DDE	0.012	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
4,4´-DDT	0.049	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Aldrin	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
alpha-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
beta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Chlordane	ND	1.2		mg/Kg	1	2/1/2012 12:30:05 PM
delta-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Dieldrin	0.010	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endosulfan I	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endosulfan II	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endosulfan sulfate	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endrin	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Endrin aldehyde	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
gamma-BHC	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Heptachlor	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Heptachlor epoxide	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Methoxychlor	ND	0.010		mg/Kg	1	2/1/2012 12:30:05 PM
Toxaphene	ND	1.2		mg/Kg	1	2/1/2012 12:30:05 PM
Surr: Decachlorobiphenyl	89.4	37.7-135		%REC	1	2/1/2012 12:30:05 PM
Surr: Tetrachloro-m-xylene	91.2	35.6-156		%REC	1	2/1/2012 12:30:05 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1221	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1232	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1242	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1248	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1254	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Aroclor 1260	ND	0.10		mg/Kg	1	2/2/2012 2:35:10 AM
Surr: Decachlorobiphenyl	76.0	24.4-106		%REC	1	2/2/2012 2:35:10 AM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:11:53 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM
Barium	ND	100		mg/L	1	2/7/2012 8:06:16 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:06:16 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:06:16 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:06:16 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T6@9.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 2:15:00 PM
Lab ID: 1201868-010
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Toluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,4-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,3,5-Trimethylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dichloroethane (EDC)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dibromoethane (EDB)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Naphthalene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:54:20 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 5:54:20 PM
Acetone	ND	0.73		mg/Kg	1	2/1/2012 5:54:20 PM
Bromobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Bromodichloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Bromoform	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Bromomethane	ND	0.39		mg/Kg	1	2/1/2012 5:54:20 PM
2-Butanone	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM
Carbon disulfide	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM
Carbon tetrachloride	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Chlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Chloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Chloroform	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 5:54:20 PM
2-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
4-Chlorotoluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
cis-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
cis-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dibromo-3-chloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Dibromochloromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Dibromomethane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,3-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,4-Dichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Dichlorodifluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1-Dichloroethane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,1-Dichloroethene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,3-Dichloropropane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
2,2-Dichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,1-Dichloropropene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Hexachlorobutadiene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
2-Hexanone	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T6@9.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 2:15:00 PM
Lab ID: 1201868-010
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
4-Isopropyltoluene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
4-Methyl-2-pentanone	ND	0.49		mg/Kg	1	2/1/2012 5:54:20 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 5:54:20 PM
n-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
n-Propylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
sec-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Styrene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
tert-Butylbenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,1,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,2,2-Tetrachloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Tetrachloroethene (PCE)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
trans-1,2-DCE	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
trans-1,3-Dichloropropene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,3-Trichlorobenzene	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,4-Trichlorobenzene	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,1-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,1,2-Trichloroethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Trichloroethene (TCE)	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Trichlorofluoromethane	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
1,2,3-Trichloropropane	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Vinyl chloride	ND	0.049		mg/Kg	1	2/1/2012 5:54:20 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/1/2012 5:54:20 PM
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%REC	1	2/1/2012 5:54:20 PM
Surr: 4-Bromofluorobenzene	92.3	70-130		%REC	1	2/1/2012 5:54:20 PM
Surr: Dibromofluoromethane	106	71.7-132		%REC	1	2/1/2012 5:54:20 PM
Surr: Toluene-d8	94.0	70-130		%REC	1	2/1/2012 5:54:20 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T7@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 3:10:00 PM
Lab ID: 1201868-011
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
4,4´-DDE	0.65	0.10		mg/Kg	5	2/1/2012 3:26:15 PM
4,4´-DDT	0.99	0.10		mg/Kg	5	2/1/2012 3:26:15 PM
Aldrin	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
alpha-BHC	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
beta-BHC	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Chlordane	ND	2.5		mg/Kg	1	2/1/2012 2:34:24 PM
delta-BHC	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Dieldrin	0.65	0.10		mg/Kg	5	2/1/2012 3:26:15 PM
Endosulfan I	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endosulfan II	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endosulfan sulfate	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endrin	0.052	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Endrin aldehyde	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
gamma-BHC	0.028	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Heptachlor	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Heptachlor epoxide	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Methoxychlor	ND	0.020		mg/Kg	1	2/1/2012 2:34:24 PM
Toxaphene	ND	2.5		mg/Kg	1	2/1/2012 2:34:24 PM
Surr: Decachlorobiphenyl	91.2	37.7-135		%REC	1	2/1/2012 2:34:24 PM
Surr: Tetrachloro-m-xylene	84.4	35.6-156		%REC	1	2/1/2012 2:34:24 PM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1221	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1232	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1242	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1248	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1254	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Aroclor 1260	ND	0.20		mg/Kg	1	2/2/2012 3:20:06 AM
Surr: Decachlorobiphenyl	46.0	24.4-106		%REC	1	2/2/2012 3:20:06 AM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:13:40 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM
Barium	ND	100		mg/L	1	2/7/2012 8:16:35 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:16:35 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:16:35 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:16:35 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T7@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 3:10:00 PM
Lab ID: 1201868-011
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Toluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Ethylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,4-Trimethylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,3,5-Trimethylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dichloroethane (EDC)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dibromoethane (EDB)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Naphthalene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1-Methylnaphthalene	ND	0.40		mg/Kg	1	2/1/2012 6:22:10 PM
2-Methylnaphthalene	ND	0.40		mg/Kg	1	2/1/2012 6:22:10 PM
Acetone	ND	1.5		mg/Kg	1	2/1/2012 6:22:10 PM
Bromobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Bromodichloromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Bromoform	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Bromomethane	ND	0.80		mg/Kg	1	2/1/2012 6:22:10 PM
2-Butanone	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM
Carbon disulfide	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM
Carbon tetrachloride	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Chlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Chloroethane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Chloroform	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Chloromethane	ND	0.30		mg/Kg	1	2/1/2012 6:22:10 PM
2-Chlorotoluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
4-Chlorotoluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
cis-1,2-DCE	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
cis-1,3-Dichloropropene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dibromo-3-chloropropane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Dibromochloromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Dibromomethane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,3-Dichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,4-Dichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Dichlorodifluoromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1-Dichloroethane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,1-Dichloroethene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2-Dichloropropane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,3-Dichloropropane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
2,2-Dichloropropane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,1-Dichloropropene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
2-Hexanone	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T7@3.5ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 3:10:00 PM
Lab ID: 1201868-011
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
4-Isopropyltoluene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
4-Methyl-2-pentanone	ND	1.0		mg/Kg	1	2/1/2012 6:22:10 PM
Methylene chloride	ND	0.30		mg/Kg	1	2/1/2012 6:22:10 PM
n-Butylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
n-Propylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
sec-Butylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Styrene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
tert-Butylbenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,1,2-Tetrachloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,2,2-Tetrachloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Tetrachloroethene (PCE)	2.9	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
trans-1,2-DCE	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
trans-1,3-Dichloropropene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,3-Trichlorobenzene	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,4-Trichlorobenzene	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,1-Trichloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,1,2-Trichloroethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Trichloroethene (TCE)	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Trichlorofluoromethane	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
1,2,3-Trichloropropane	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Vinyl chloride	ND	0.10		mg/Kg	1	2/1/2012 6:22:10 PM
Xylenes, Total	ND	0.20		mg/Kg	1	2/1/2012 6:22:10 PM
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%REC	1	2/1/2012 6:22:10 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%REC	1	2/1/2012 6:22:10 PM
Surr: Dibromofluoromethane	103	71.7-132		%REC	1	2/1/2012 6:22:10 PM
Surr: Toluene-d8	97.1	70-130		%REC	1	2/1/2012 6:22:10 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T7@7ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 3:15:00 PM
Lab ID: 1201868-012
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8081: PESTICIDES						Analyst: **JDC**
4,4´-DDD	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
4,4´-DDE	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
4,4´-DDT	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Aldrin	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
alpha-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
beta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Chlordane	ND	0.25		mg/Kg	1	2/1/2012 11:21:05 AM
delta-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Dieldrin	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endosulfan I	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endosulfan II	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endosulfan sulfate	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endrin	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Endrin aldehyde	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
gamma-BHC	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Heptachlor	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Heptachlor epoxide	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Methoxychlor	ND	0.0020		mg/Kg	1	2/1/2012 11:21:05 AM
Toxaphene	ND	0.25		mg/Kg	1	2/1/2012 11:21:05 AM
Surr: Decachlorobiphenyl	55.5	37.7-135		%REC	1	2/1/2012 11:21:05 AM
Surr: Tetrachloro-m-xylene	59.7	35.6-156		%REC	1	2/1/2012 11:21:05 AM
EPA METHOD 8082: PCB'S						Analyst: **SCC**
Aroclor 1016	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1221	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1232	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1242	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1248	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1254	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Aroclor 1260	ND	0.020		mg/Kg	1	2/2/2012 4:06:09 AM
Surr: Decachlorobiphenyl	53.2	24.4-106		%REC	1	2/2/2012 4:06:09 AM
MERCURY, TCLP						Analyst: **JLF**
Mercury	ND	0.020		mg/L	1	2/3/2012 1:15:28 PM
EPA METHOD 6010B: TCLP METALS						Analyst: **ELS**
Arsenic	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM
Barium	ND	100		mg/L	1	2/7/2012 8:18:48 AM
Cadmium	ND	1.0		mg/L	1	2/7/2012 8:18:48 AM
Chromium	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM
Lead	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM
Selenium	ND	1.0		mg/L	1	2/7/2012 8:18:48 AM
Silver	ND	5.0		mg/L	1	2/7/2012 8:18:48 AM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T7@7ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 3:15:00 PM
Lab ID: 1201868-012
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Toluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Ethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Naphthalene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 6:50:24 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	2/1/2012 6:50:24 PM
Acetone	ND	0.74		mg/Kg	1	2/1/2012 6:50:24 PM
Bromobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Bromoform	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Bromomethane	ND	0.40		mg/Kg	1	2/1/2012 6:50:24 PM
2-Butanone	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM
Carbon disulfide	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM
Carbon tetrachloride	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Chlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Chloroethane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Chloroform	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Chloromethane	ND	0.15		mg/Kg	1	2/1/2012 6:50:24 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dibromo-3-chloropropane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Dibromomethane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1-Dichloroethane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
2,2-Dichloropropane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,1-Dichloropropene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Hexachlorobutadiene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
2-Hexanone	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD
Client Sample ID: T7@7ft
Project: SFPS Agua Fria Alternate
Collection Date: 1/30/2012 3:15:00 PM
Lab ID: 1201868-012
Matrix: SOIL
Received Date: 1/31/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	2/1/2012 6:50:24 PM
Methylene chloride	ND	0.15		mg/Kg	1	2/1/2012 6:50:24 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Styrene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,3-Trichlorobenzene	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
1,2,3-Trichloropropane	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Vinyl chloride	ND	0.050		mg/Kg	1	2/1/2012 6:50:24 PM
Xylenes, Total	ND	0.099		mg/Kg	1	2/1/2012 6:50:24 PM
Surr: 1,2-Dichloroethane-d4	92.8	70-130		%REC	1	2/1/2012 6:50:24 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%REC	1	2/1/2012 6:50:24 PM
Surr: Dibromofluoromethane	105	71.7-132		%REC	1	2/1/2012 6:50:24 PM
Surr: Toluene-d8	93.9	70-130		%REC	1	2/1/2012 6:50:24 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-001	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-002C / T1@5FT	**Sampling Time**	9:08 AM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	10.2	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-001

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	108.3	30-145

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-002	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-003C / T2@4FT	**Sampling Time**	10:00 AM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-002

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	110.7	30-145

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-003	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-004C / T3@3.5FT	**Sampling Time**	10:30 AM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	10.2	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-003

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	110.5	30-145

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Attn: ANDY FREEMAN

Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-004	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-005C / T4@9FT	**Sampling Time**	11:30 AM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.5	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-004

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	107.5	30-145

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Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-005	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-006C / T4@3.5FT	**Sampling Time**	11:00 AM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.1	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-005

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	99.5	30-145

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Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-006	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-008C / T5@8.5FT	**Sampling Time**	1:30 PM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	0.011	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.2	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-006

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	100.9	30-145

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-007	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-009C / T6@3.5FT	**Sampling Time**	1:45 PM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	6.4	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-007

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	109.6	30-145

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Attn: ANDY FREEMAN

Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-008	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-010C / T6@9.5FT	**Sampling Time**	2:15 PM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	9.7	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-008

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	108.0	30-145

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Attn: ANDY FREEMAN

Batch #: 120201016
Project Name: 1201868

Analytical Results Report

Sample Number	120201016-009	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-011C / T7@3.5FT	**Sampling Time**	3:10 PM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	7.3	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-009

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	75.1	30-145

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	120201016
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1201868
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	120201016-010	**Sampling Date**	1/30/2012	**Date/Time Received**	2/1/2012	10:18 AM
Client Sample ID	1201868-022C / T7@7FT	**Sampling Time**	3:15 PM	**Extraction Date**	2/1/2012	
Matrix	Soil	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,4,5-T	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4,5-TP (Silvex)	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-D	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
2,4-DB	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dacthal	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dalapon	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dicamba	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dichloroprop	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Dinoseb	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
MCPA	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Pentachlorophenol	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
Picloram	ND	mg/Kg	0.01	2/2/2012	EMP	EPA 8151A	
%moisture	11.3	Percent		2/3/2012	EMP	%moisture	

Surrogate Data

Sample Number 120201016-010

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4-Dichlorophenylacetic acid	EPA 8151A	107.9	30-145

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID	**MB-522**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**522**		RunNo:	**719**					
Prep Date:	**1/31/2012**	Analysis Date:	**2/1/2012**		SeqNo:	**20699**	Units:	**mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								

Sample ID	**LCS-522**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**522**		RunNo:	**719**					
Prep Date:	**1/31/2012**	Analysis Date:	**2/1/2012**		SeqNo:	**20700**	Units:	**mg/Kg**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.0	90	110			

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **MB-510** SampType: **MBLK** TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **PBS** Batch ID: **510** RunNo: **693**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **19712** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.0020								
4,4´-DDE	ND	0.0020								
4,4´-DDT	ND	0.0020								
Aldrin	ND	0.0020								
alpha-BHC	ND	0.0020								
beta-BHC	ND	0.0020								
Chlordane	ND	0.25								
delta-BHC	ND	0.0020								
Dieldrin	ND	0.0020								
Endosulfan I	ND	0.0020								
Endosulfan II	ND	0.0020								
Endosulfan sulfate	ND	0.0020								
Endrin	ND	0.0020								
Endrin aldehyde	ND	0.0020								
gamma-BHC	ND	0.0020								
Heptachlor	ND	0.0020								
Heptachlor epoxide	ND	0.0020								
Methoxychlor	ND	0.0020								
Toxaphene	ND	0.25								
Surr: Decachlorobiphenyl	0.056		0.06250		89.9	37.7	135			
Surr: Tetrachloro-m-xylene	0.064		0.06250		102	35.6	156			

Sample ID **LCS-510** SampType: **LCS** TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSS** Batch ID: **510** RunNo: **693**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **19858** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	0.014	0.0020	0.01250	0	115	44.4	156			
4,4´-DDE	0.012	0.0020	0.01250	0	97.4	28.2	172			
4,4´-DDT	0.012	0.0020	0.01250	0	92.8	24.9	167			
Aldrin	0.011	0.0020	0.01250	0	84.8	30.6	136			
alpha-BHC	0.012	0.0020	0.01250	0	94.2	36.3	126			
beta-BHC	0.011	0.0020	0.01250	0	88.2	36.8	147			
delta-BHC	0.014	0.0020	0.01250	0	112	37.8	144			
Dieldrin	0.010	0.0020	0.01250	0	82.6	27.3	141			
Endosulfan I	0.0099	0.0020	0.01250	0	79.0	26.8	149			
Endosulfan II	0.0098	0.0020	0.01250	0	78.2	30.6	154			
Endosulfan sulfate	0.013	0.0020	0.01250	0	103	23.2	172			
Endrin	0.010	0.0020	0.01250	0	81.4	29.7	159			
Endrin aldehyde	0.0086	0.0020	0.01250	0	69.2	26.5	154			
gamma-BHC	0.011	0.0020	0.01250	0	87.8	40.9	130			

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **LCS-510** SampType: **LCS** TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSS** Batch ID: **510** RunNo: **693**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **19858** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Heptachlor	0.010	0.0020	0.01250	0	80.0	30.9	143			
Heptachlor epoxide	0.010	0.0020	0.01250	0	83.4	32.4	144			
Methoxychlor	0.011	0.0020	0.01250	0	91.0	40.3	157			
Surr: Decachlorobiphenyl	0.060		0.06250		96.4	37.7	135			
Surr: Tetrachloro-m-xylene	0.070		0.06250		111	35.6	156			

Sample ID **1201868-001BMS** SampType: **MS** TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **T1@2.5ft** Batch ID: **510** RunNo: **693**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **19981** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	0.027	0.010	0.01247	0.008300	152	44.4	156			
4,4´-DDE	0.028	0.010	0.01247	0.01182	127	28.2	172			
4,4´-DDT	0.032	0.010	0.01247	0.01496	135	24.9	167			
Aldrin	0.020	0.010	0.01247	0.006413	109	30.6	136			
alpha-BHC	0.020	0.010	0.01247	0.007420	101	36.3	126			
beta-BHC	0.019	0.010	0.01247	0	154	36.8	147			S
delta-BHC	0.027	0.010	0.01247	0.009935	133	37.8	144			
Dieldrin	0.019	0.010	0.01247	0.005785	107	27.3	141			
Endosulfan I	0.021	0.010	0.01247	0.006036	117	26.8	149			
Endosulfan II	0.017	0.010	0.01247	0.006916	84.5	30.6	154			
Endosulfan sulfate	0.026	0.010	0.01247	0.006036	162	23.2	172			
Endrin	0.021	0.010	0.01247	0.006036	124	29.7	159			
Endrin aldehyde	0.017	0.010	0.01247	0.005407	90.6	26.5	154			
gamma-BHC	0.020	0.010	0.01247	0.007168	101	40.9	130			
Heptachlor	0.020	0.010	0.01247	0.007042	104	30.9	143			
Heptachlor epoxide	0.021	0.010	0.01247	0.007294	109	32.4	144			
Methoxychlor	0.016	0.010	0.01247	0.004276	91.7	40.3	157			
Surr: Decachlorobiphenyl	0.10		0.06234		162	37.7	135			S
Surr: Tetrachloro-m-xylene	0.11		0.06234		176	35.6	156			S

Sample ID **1201868-001BMSD** SampType: **MSD** TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **T1@2.5ft** Batch ID: **510** RunNo: **693**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **19982** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	0.025	0.010	0.01254	0.008300	137	44.4	156	7.03	20	
4,4´-DDE	0.029	0.010	0.01254	0.01182	135	28.2	172	3.65	20	
4,4´-DDT	0.027	0.010	0.01254	0.01496	99.6	24.9	167	14.6	20	
Aldrin	0.019	0.010	0.01254	0.006413	103	30.6	136	3.27	20	
alpha-BHC	0.019	0.010	0.01254	0.007420	93.8	36.3	126	4.55	20	
beta-BHC	0.019	0.010	0.01254	0	151	36.8	147	1.42	20	S

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **1201868-001BMSD** SampType: **MSD** TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **T1@2.5ft** Batch ID: **510** RunNo: **693**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **19982** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
delta-BHC	0.025	0.010	0.01254	0.009935	123	37.8	144	4.75	20	
Dieldrin	0.019	0.010	0.01254	0.005785	102	27.3	141	2.77	20	
Endosulfan I	0.019	0.010	0.01254	0.006036	106	26.8	149	6.35	20	
Endosulfan II	0.016	0.010	0.01254	0.006916	75.8	30.6	154	6.09	20	
Endosulfan sulfate	0.025	0.010	0.01254	0.006036	148	23.2	172	6.35	20	
Endrin	0.021	0.010	0.01254	0.006036	116	29.7	159	4.21	20	
Endrin aldehyde	0.017	0.010	0.01254	0.005407	89.9	26.5	154	0.199	20	
gamma-BHC	0.019	0.010	0.01254	0.007168	97.8	40.9	130	1.37	20	
Heptachlor	0.020	0.010	0.01254	0.007042	101	30.9	143	1.34	20	
Heptachlor epoxide	0.020	0.010	0.01254	0.007294	105	32.4	144	1.87	20	
Methoxychlor	0.015	0.010	0.01254	0.004276	87.9	40.3	157	2.68	20	
Surr: Decachlorobiphenyl	0.087		0.06269		139	37.7	135	0	20	S
Surr: Tetrachloro-m-xylene	0.095		0.06269		151	35.6	156	0	20	

Qualifiers:

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **MB-511** SampType: **MBLK** TestCode: **EPA Method 8082: PCB's**
Client ID: **PBS** Batch ID: **511** RunNo: **705**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20168** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.020								
Aroclor 1221	ND	0.020								
Aroclor 1232	ND	0.020								
Aroclor 1242	ND	0.020								
Aroclor 1248	ND	0.020								
Aroclor 1254	ND	0.020								
Aroclor 1260	ND	0.020								
Surr: Decachlorobiphenyl	0.058		0.06250		92.0	24.4	106			

Sample ID **LCS-511** SampType: **LCS** TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSS** Batch ID: **511** RunNo: **705**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20169** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1260	0.086	0.020	0.1250	0	68.5	21.4	118			
Surr: Decachlorobiphenyl	0.062		0.06250		98.8	24.4	106			

Sample ID **1201868-002BMS** SampType: **MS** TestCode: **EPA Method 8082: PCB's**
Client ID: **T1@5ft** Batch ID: **511** RunNo: **705**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20173** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1260	0.068	0.020	0.1255	0	54.5	45	117			
Surr: Decachlorobiphenyl	0.040		0.06275		64.0	24.4	106			

Sample ID **1201868-002BMSD** SampType: **MSD** TestCode: **EPA Method 8082: PCB's**
Client ID: **T1@5ft** Batch ID: **511** RunNo: **705**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20174** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1260	0.078	0.020	0.1253	0	62.0	45	117	12.8	20	
Surr: Decachlorobiphenyl	0.046		0.06266		73.2	24.4	106	0	0	

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **mb-517**	SampType: **MBLK**	TestCode: **EPA Method 8260B: VOLATILES**			
Client ID: **PBS**	Batch ID: **517**	RunNo: **711**			
Prep Date: **1/31/2012**	Analysis Date: **2/1/2012**	SeqNo: **20328**	Units: **mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Methyl tert-butyl ether (MTBE)	ND	0.050								
1,2,4-Trimethylbenzene	ND	0.050								
1,3,5-Trimethylbenzene	ND	0.050								
1,2-Dichloroethane (EDC)	ND	0.050								
1,2-Dibromoethane (EDB)	ND	0.050								
Naphthalene	ND	0.10								
1-Methylnaphthalene	ND	0.20								
2-Methylnaphthalene	ND	0.20								
Acetone	ND	0.75								
Bromobenzene	ND	0.050								
Bromodichloromethane	ND	0.050								
Bromoform	ND	0.050								
Bromomethane	ND	0.40								
2-Butanone	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.10								
Chlorobenzene	ND	0.050								
Chloroethane	ND	0.10								
Chloroform	ND	0.050								
Chloromethane	ND	0.15								
2-Chlorotoluene	ND	0.050								
4-Chlorotoluene	ND	0.050								
cis-1,2-DCE	ND	0.050								
cis-1,3-Dichloropropene	ND	0.050								
1,2-Dibromo-3-chloropropane	ND	0.10								
Dibromochloromethane	ND	0.050								
Dibromomethane	ND	0.10								
1,2-Dichlorobenzene	ND	0.050								
1,3-Dichlorobenzene	ND	0.050								
1,4-Dichlorobenzene	ND	0.050								
Dichlorodifluoromethane	ND	0.050								
1,1-Dichloroethane	ND	0.10								
1,1-Dichloroethene	ND	0.050								
1,2-Dichloropropane	ND	0.050								
1,3-Dichloropropane	ND	0.050								
2,2-Dichloropropane	ND	0.10								
1,1-Dichloropropene	ND	0.10								
Hexachlorobutadiene	ND	0.10								

Qualifiers:

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J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **mb-517** SampType: **MBLK** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **PBS** Batch ID: **517** RunNo: **711**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20328** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Hexanone	ND	0.50								
Isopropylbenzene	ND	0.050								
4-Isopropyltoluene	ND	0.050								
4-Methyl-2-pentanone	ND	0.50								
Methylene chloride	ND	0.15								
n-Butylbenzene	ND	0.050								
n-Propylbenzene	ND	0.050								
sec-Butylbenzene	ND	0.050								
Styrene	ND	0.050								
tert-Butylbenzene	ND	0.050								
1,1,1,2-Tetrachloroethane	ND	0.050								
1,1,2,2-Tetrachloroethane	ND	0.050								
Tetrachloroethene (PCE)	ND	0.050								
trans-1,2-DCE	ND	0.050								
trans-1,3-Dichloropropene	ND	0.050								
1,2,3-Trichlorobenzene	ND	0.10								
1,2,4-Trichlorobenzene	ND	0.050								
1,1,1-Trichloroethane	ND	0.050								
1,1,2-Trichloroethane	ND	0.050								
Trichloroethene (TCE)	ND	0.050								
Trichlorofluoromethane	ND	0.050								
1,2,3-Trichloropropane	ND	0.10								
Vinyl chloride	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.3	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.3	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	71.7	132			
Surr: Toluene-d8	0.47		0.5000		94.7	70	130			

Sample ID **lcs-517** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSS** Batch ID: **517** RunNo: **711**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20329** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.050	1.000	0	98.6	70.7	123			
Toluene	0.98	0.050	1.000	0	97.5	80	120			
Chlorobenzene	1.0	0.050	1.000	0	101	70	130			
1,1-Dichloroethene	0.98	0.050	1.000	0	98.0	63.1	148			
Trichloroethene (TCE)	0.96	0.050	1.000	0	96.1	63.2	114			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.1	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.1	70	130			

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **lcs-517** SampType: **LCS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **LCSS** Batch ID: **517** RunNo: **711**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20329** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	0.53		0.5000		106	71.7	132			
Surr: Toluene-d8	0.49		0.5000		97.0	70	130			

Sample ID **1201868-001AMS** SampType: **MS** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **T1@2.5ft** Batch ID: **517** RunNo: **711**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20343** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.049	0.9728	0	103	60	126			
Toluene	1.1	0.049	0.9728	0	111	68.7	132			
Chlorobenzene	1.1	0.049	0.9728	0	110	71.8	134			
1,1-Dichloroethene	1.0	0.049	0.9728	0	104	34.5	155			
Trichloroethene (TCE)	1.1	0.049	0.9728	0	109	47.2	121			
Surr: 1,2-Dichloroethane-d4	0.45		0.4864		92.4	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.4864		92.8	70	130			
Surr: Dibromofluoromethane	0.52		0.4864		107	71.7	132			
Surr: Toluene-d8	0.46		0.4864		94.5	70	130			

Sample ID **1201868-001AMSD** SampType: **MSD** TestCode: **EPA Method 8260B: VOLATILES**
Client ID: **T1@2.5ft** Batch ID: **517** RunNo: **711**
Prep Date: **1/31/2012** Analysis Date: **2/1/2012** SeqNo: **20344** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.048	0.9634	0	106	60	126	1.38	15.7	
Toluene	1.0	0.048	0.9634	0	107	68.7	132	4.33	16.2	
Chlorobenzene	1.0	0.048	0.9634	0	107	71.8	134	3.76	14.9	
1,1-Dichloroethene	0.95	0.048	0.9634	0	98.4	34.5	155	6.57	31.8	
Trichloroethene (TCE)	0.99	0.048	0.9634	0	103	47.2	121	6.60	16.5	
Surr: 1,2-Dichloroethane-d4	0.45		0.4817		94.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.45		0.4817		93.7	70	130	0	0	
Surr: Dibromofluoromethane	0.50		0.4817		104	71.7	132	0	0	
Surr: Toluene-d8	0.47		0.4817		96.8	70	130	0	0	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **MB-570** SampType: **MBLK** TestCode: **MERCURY, TCLP**
Client ID: **PBW** Batch ID: **570** RunNo: **741**
Prep Date: **2/3/2012** Analysis Date: **2/3/2012** SeqNo: **21455** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020								

Sample ID **LCS-570** SampType: **LCS** TestCode: **MERCURY, TCLP**
Client ID: **LCSW** Batch ID: **570** RunNo: **741**
Prep Date: **2/3/2012** Analysis Date: **2/3/2012** SeqNo: **21456** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.020	0.005000	0	104	80	120			

Sample ID **1201831-001AMS** SampType: **MS** TestCode: **MERCURY, TCLP**
Client ID: **BatchQC** Batch ID: **570** RunNo: **741**
Prep Date: **2/3/2012** Analysis Date: **2/3/2012** SeqNo: **21480** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0.005000	0	125	75	125			S

Sample ID **1201831-001AMSD** SampType: **MSD** TestCode: **MERCURY, TCLP**
Client ID: **BatchQC** Batch ID: **570** RunNo: **741**
Prep Date: **2/3/2012** Analysis Date: **2/3/2012** SeqNo: **21481** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.10	0.005000	0	124	75	125	0	20	

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **MB-543** SampType: **MBLK** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **PBW** Batch ID: **543** RunNo: **747**
Prep Date: **2/2/2012** Analysis Date: **2/3/2012** SeqNo: **21571** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0								
Barium	ND	100								
Cadmium	ND	1.0								
Chromium	ND	5.0								
Lead	ND	5.0								
Selenium	ND	1.0								
Silver	ND	5.0								

Sample ID **LCS-543** SampType: **LCS** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **LCSW** Batch ID: **543** RunNo: **747**
Prep Date: **2/2/2012** Analysis Date: **2/3/2012** SeqNo: **21572** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	109	80	120			
Barium	ND	100	0.5000	0	99.0	80	120			
Cadmium	ND	1.0	0.5000	0	103	80	120			
Chromium	ND	5.0	0.5000	0.001420	99.8	80	120			
Lead	ND	5.0	0.5000	0	94.2	80	120			
Selenium	ND	1.0	0.5000	0	106	80	120			
Silver	ND	5.0	0.1000	0	108	80	120			

Sample ID **MB-582** SampType: **MBLK** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **PBW** Batch ID: **582** RunNo: **808**
Prep Date: **2/4/2012** Analysis Date: **2/7/2012** SeqNo: **23044** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0								
Barium	ND	100								
Cadmium	ND	1.0								
Chromium	ND	5.0								
Lead	ND	5.0								
Selenium	ND	1.0								
Silver	ND	5.0								

Sample ID **LCS-582** SampType: **LCS** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **LCSW** Batch ID: **582** RunNo: **808**
Prep Date: **2/4/2012** Analysis Date: **2/7/2012** SeqNo: **23045** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	110	80	120			
Barium	ND	100	0.5000	0	101	80	120			
Cadmium	ND	1.0	0.5000	0	106	80	120			

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **LCS-582** SampType: **LCS** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **LCSW** Batch ID: **582** RunNo: **808**
Prep Date: **2/4/2012** Analysis Date: **2/7/2012** SeqNo: **23045** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	ND	5.0	0.5000	0	101	80	120			
Lead	ND	5.0	0.5000	0	101	80	120			
Selenium	ND	1.0	0.5000	0	114	80	120			
Silver	ND	5.0	0.1000	0	108	80	120			

Sample ID **1201831-001AMS** SampType: **MS** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **BatchQC** Batch ID: **543** RunNo: **808**
Prep Date: **2/2/2012** Analysis Date: **2/7/2012** SeqNo: **23047** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	500	0.5000	0.01623	101	75	125			
Cadmium	ND	5.0	0.5000	0	111	75	125			
Chromium	ND	25	0.5000	0	98.9	75	125			
Lead	ND	25	0.5000	0.04959	103	75	125			
Silver	ND	25	0.1000	0.0009300	112	75	125			

Sample ID **1201831-001AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **BatchQC** Batch ID: **543** RunNo: **808**
Prep Date: **2/2/2012** Analysis Date: **2/7/2012** SeqNo: **23048** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	500	0.5000	0.01623	97.1	75	125	0	20	
Cadmium	ND	5.0	0.5000	0	110	75	125	0	20	
Chromium	ND	25	0.5000	0	94.2	75	125	0	20	
Lead	ND	25	0.5000	0.04959	103	75	125	0	20	
Silver	ND	25	0.1000	0.0009300	111	75	125	0	20	

Sample ID **1202092-001CMS** SampType: **MS** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **BatchQC** Batch ID: **582** RunNo: **808**
Prep Date: **2/4/2012** Analysis Date: **2/7/2012** SeqNo: **23070** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	102	75	125			
Cadmium	ND	1.0	0.5000	0	101	75	125			
Chromium	ND	5.0	0.5000	0	93.1	75	125			
Lead	ND	5.0	0.5000	0	93.1	75	125			

Sample ID **1202092-001CMSD** SampType: **MSD** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **BatchQC** Batch ID: **582** RunNo: **808**
Prep Date: **2/4/2012** Analysis Date: **2/7/2012** SeqNo: **23071** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **1201868**
10-Feb-12

Client: R.T. Hicks Consultants, LTD
Project: SFPS Agua Fria Alternate

Sample ID **1202092-001CMSD** SampType: **MSD** TestCode: **EPA Method 6010B: TCLP Metals**
Client ID: **BatchQC** Batch ID: **582** RunNo: **808**
Prep Date: **2/4/2012** Analysis Date: **2/7/2012** SeqNo: **23071** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	5.0	0.5000	0	102	75	125	0	20	
Cadmium	ND	1.0	0.5000	0	99.8	75	125	0	20	
Chromium	ND	5.0	0.5000	0	91.5	75	125	0	20	
Lead	ND	5.0	0.5000	0	92.1	75	125	0	20	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: RT HICKS Work Order Number: 1201868

Received by/date: AF 1/31/12

Logged By: **Michelle Garcia** 1/31/2012 8:45:00 AM Michelle Garcia

Completed By: **Michelle Garcia** 1/31/2012 9:59:28 AM Michelle Garcia

Reviewed By: MG 1/31/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? Client

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☑ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

18. Additional remarks:

19. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Chain-of-Custody Record

Client: RT Hicks Consultants

Mailing Address: on-file

Phone #:

email or Fax#: andrew@rthicksconsult.com

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation ☐ NELAP ☐ Other ____

☐ EDD (Type) ____

Turn-Around Time: ☐ Standard ☐ Rush See Remarks

Project Name: SFPS Agua Fria Alternate

Project #:

Project Manager: Andrew Parker

Sampler: Andrew Parker

On Ice: ☒ Yes ☐ No

Sample Temperature: 1°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1201868	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals (TCLP)	Anions (F, Cl, NO3, NO2, PO4, SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8151 Herbicides				Air Bubbles (Y or N)
1/30/12	0855	Soil	T1 @ 2.5 ft	4oz Jar/2	None/cold	1							X		X	X		X				
	0808		T1 @ 5 ft			2							X		X	X		X				
	10:00		T2 @ 4 ft			3							X		X	X		X				
	10:30		T3 @ 3.5 ft			4							X		X	X		X				
	11:30		T4 @ 9 ft			5							X		X	X		X				
	11:00		T4 @ 3.5 ft			6							X		X	X		X				
	13:15		T5 @ 3.5 ft			7							X	X	X	X		X				
	13:30		T5 @ 8.5 ft			8							X		X	X		X				
	13:45		T6 @ 3.5 ft			9							X		X	X		X				
	14:15		T6 @ 9.5 ft			10							X		X	X		X				
	15:10		T7 @ 3.5 ft			11							X		X	X		X				
	15:15		T7 @ 7 ft			12							X		X	X		X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
1/31/12	0845	[signature]	[signature]	1/31/12	8:45
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Bill to Santa Fe Public Schools

Rush: T5 @ 3.5 -007

T1 @ 2.5 -001

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.