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March 17, 2011

Justin Massey
Miller, Axline & Sawyer
1050 Fulton Avenue, Suite 100
Sacramento, California 95825

Subject: Summary of Soil and Groundwater Sampling Methods Performed in Reference to the former Crucible Materials Site and the Vista Paint Site, Fullerton, California

Dear Mr. Massey:

Environmental Support Technologies (EST) is pleased to submit the following summary of soil and groundwater sampling methods performed in reference to the former Crucible Materials site and the Vista Paint site in Fullerton, California.

Sampling for this project was performed at the following address in Fullerton, California:

- 1850 East Orangethorpe Avenue
- 2020 East Orangethorpe Avenue
- 2230 East Orangethorpe Avenue

This summary includes the following items:

- A description of soil and groundwater sampling methods.
- A description of soil analytical methods.
- A site map that includes a posting of analytical results for soil (**Attachment A**).
- A summary table of analytical results for soil (**Attachment B**).
- Lithological logs for soil borings (**Attachment C**).
- Laboratory analytical reports for soil (**Attachment D**).

1.0 DRILLING AND SOIL SAMPLE COLLECTION METHODS

1.1 CM-GW01, CM-GW02, CM-GW03 and CM-GW04

Drilling for soil and groundwater sampling was performed on January 19, 2011 at location CM-GW01, on January 20, 2011 at location CM-GW04 and on January 21, 2011 at locations CM-GW02 and CM-GW03 using hollow-stem auger drilling equipment supplied and operated by Cascade Drilling, Inc. These borings were advanced to first or "perched" groundwater located

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near 80 feet below the ground surface (bgs) in this area. Soil samples were collected at 5-foot vertical intervals in each boring to perched groundwater for logging and chemical analysis purposes. The soil samples were collected during drilling using a 2-inch inside diameter split-barrel sampler loaded with clean brass sample rings. Soil boring logs for CM-GW01 through CM-GW04 are provided in **Attachment C**.

Soil samples intended for volatile organic compound (VOC) chemical analysis were preserved in the field according to US EPA Method 5035 (DTSC November 2004 guidance document, Option 1A and 1B). The sample containers were labeled and logged on a chain-of-custody form and placed in an ice chest for temporary storage and delivery to the Cal EPA Certified Laboratory selected to perform the chemical analyses. Chain-of-custody documents are provided in **Attachment D**.

1.2 CM-GW01A, CM-GW02A, CM-GW03A and CM-GW04A

Drilling for soil and groundwater sampling was performed on February 22 and 23, 2011 at location CM-GW01A, on February 24 and 25, 2011 at location CM-GW04A, and on March 4 and 5, 2011 at locations CM-GW02A and CM-GW03A using sonic drilling equipment supplied and operated by Cascade Drilling, Inc. These borings were advanced to the "shallow aquifer", the top of which is located between approximately 115 and 125 feet bgs in this area. A continuous soil core was collected for logging purposes from 80 feet to the bottom of the borings using sonic drill pipe. Eight-inch diameter sonic drill pipe was advanced to a depth of approximately 100 feet bgs in each boring. A 6-inch diameter sonic drill pipe was advanced through the 8-inch pipe for soil core collection between 80 and 100 feet bgs in each boring.

Approximately five feet of 1/4-inch mesh-size, 30-minute time-release bentonite pellets were placed in the 8-inch drill pipe from approximately 95 to 100 feet bgs after completion of soil sampling to this depth. This interval coincides with a stiff clay soil layer located between approximately 90 and 100 feet bgs in this area. The 8-inch drill pipe was retraced approximately 5 feet and the pellets were hydrated and allowed to swell for a minimum period of one hour prior to continuation of drilling.

After the hydration period, the 8-inch pipe was re-advanced to 100 feet and the 6-inch diameter sonic drill pipe was advanced through the 8-inch pipe to between approximately 135 and 136 feet bgs in each boring. A 4-inch diameter by 10-foot length sonic coring pipe was advanced through the 6-inch pipe to approximately 135 feet bgs for soil core collection in each boring. Soil boring logs for CM-GW01A through CM- GW04A are provided in **Attachment C**.

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2.0 GROUNDWATER SAMPLE COLLECTION METHODS

2.1 CM-GW01, CM-GW02, CM-GW03 and CM-GW04

The hollow-stem auger was advanced in borings CM-GW01 through CM-GW04 from the surface to first encountered groundwater. A summary of the approximate depths groundwater was encountered in these borings and total boring depths bgs is provided below.

Boring	GW Encountered	Total Boring Depth
CM-GW01	80 ft.	85 ft.
CM-GW02	80 ft.	85 ft.
CM-GW03	80 ft.	85 ft.
CM-GW04	80 ft.	85 ft.

Groundwater encountered near 80 feet bgs in borings CM-GW01 through CM-GW04 was considered to be "perched groundwater." Groundwater samples were collected from these borings by installation of temporary PVC wells. The temporary wells were constructed using 10 feet of new 2-inch diameter PVC well screen with 0.010-inch slots and new 2-inch PVC blank casing from the top of the screen to the surface. Filter socks were placed on the well screens to limit sediment infiltration during sampling. Number 2/12 silica sand packs were installed in the annular spaces of the borings around the screens to further limit sediment infiltration during sampling. The hollow-stem auger was retracted approximately 10 feet after well installation to allow for free-flow of groundwater into the screen.

The screen intervals depths and depth to groundwater measured in the temporary wells are provided below. The depth to groundwater measured in temporary wells prior to sampling appeared to be near the expected static levels.

Boring	Screen Interval	Depth to Groundwater
CM-GW01	75-85 ft.	80 ft.
CM-GW02	75-85 ft.	75 ft.
CM-GW03	75-85 ft.	76 ft.
CM-GW04	75-85 ft.	72 ft.

Approximately 8-gallons of groundwater were purged from temporary wells CM-GW02 and CM-GW03 using a clean PVC bailer and new nylon line before groundwater sample collection. Approximately 4-gallons and 10-gallons of groundwater were purged from wells CM-GW01 and CM-GW04 before sampling, respectively. Equipment blank samples were provided to OCWD personnel for each well sampled by pouring deionized water provide by OCWD through the PVC bailer after a decontamination event. Groundwater samples were collected using new disposable bailers and nylon line and supplied to OCWD personnel. After completion of groundwater sampling, the well casings were removed and the hollow-stem auger was re-advanced to the bottom of the borings to remove the sand packs. The borings were then sealed with hydrated bentonite grout applied by Tremie pipe method as the auger was retracted from the

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bottom of the borings to approximately 4 feet bgs. Approximately two feet of dry bentonite chips were placed on top of the grout seals and the surface was repaved with approximately two feet of rapid-set concrete at each boring location.

2.2 CM- GW01A, CM-GW02A, CM-GW03A and CM-GW04A

The sonic drill pipe was advanced in borings CM-GW01A through CM-GW04A to total depths of between approximately 135 and 136 feet bgs. Groundwater samples were collected from these borings by installation of temporary PVC wells. The temporary wells were constructed using 10 feet of new 2-inch diameter PVC well screen with 0.010 inch slots and new 2-inch PVC blank casing from the top of the screen to the surface. Filter socks were placed on the well screens to limit sediment infiltration during sampling. The screen interval depths and depths to groundwater measured in temporary wells CM-GW04A through CM-GW01A are provided below. The depths to groundwater measured in the temporary wells prior to sampling may not be representative of static levels.

Boring	Screen Interval	Depth to Groundwater
CM-GW01A	124 to 134 ft.	118 ft.
CM-GW02A	121 to 131 ft.	116 ft.
CM-GW03A	123 to 133 ft.	122 ft.
CM-GW04A	123 to 133 ft.	122 ft.

Approximately 6-gallons of groundwater were bailed from temporary wells CM-GW01A through CM-GW04A using a clean PVC bailer and new nylon line before groundwater sample collection. Equipment blank samples were provided to OCWD personnel for each well sampled by pouring deionized water provided by OCWD through the PVC bailer after a decontamination event. Groundwater samples were collected using a new disposable bailer and nylon line and supplied to OCWD personnel. After completion of groundwater sampling, the well casings were removed and the borings were sealed with hydrated bentonite grout applied by Tremie pipe method as the sonic pipe was retracted from the bottom of the borings to approximately 4 feet bgs. Approximately two feet of dry bentonite chips were placed on top of the grout seals and the surface was repaved with approximately two feet of rapid-set concrete at each boring location.

3.0 SOIL CHEMICAL ANALYSIS METHODS AND RESULTS

A summary of soil sample collection locations, depths and analytical results is provided as **Table 1 (Attachment B)**. Soil samples were analyzed for VOCs by Environmental Support Technologies using EPA Method 8260B (ELAP #2511). The laboratory analytical reports are provided in **Attachment C.** Concentrations of PCE, TCE, 1,1-DCE detected in soil are posted on **Figure 1 (Attachment A).**

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4.0 EQUIPMENT DECONTAMINATION

The decontamination procedures focused primarily on equipment used to collect soil and water samples (bailers, etc.). The sampling equipment was decontaminated prior to use and between sampling events. The decontamination procedure consisted of a three-bucket chain, which includes a non-phosphate detergent station, final potable water rinse station and air-drying station. Equipment blank samples were collected after decontamination events at a rate of one per day of sampling. A high-pressure steam cleaner was utilized to decontaminate larger equipment (hollow-stem auger and sonic drill pipe).

5.0 INVESTIGATION-DERIVED WASTES

Investigation derived waste (IDW) generated during this project included soil cuttings, equipment decontamination water and groundwater from temporary well sampling. Soil IDW was placed in a roll-off bin equipped with a locking cover and 55-gallon drums. Water IDW was placed in steel 55-gallon drums. The IDW was transported for legal off site disposal or recycling as non-hazardous waste by Belshire Environmental Services. Waste manifests and disposal documentation will be submitted to Miller, Axline & Sawyer upon availability.

Please contact the undersigned at (949) 679-9500 if you have any questions or comments.

Sincerely,

Environmental Support Technologies

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REGISTERED GEOLOGIST
MICHAEL MARELLO
No. 5330
Exp. 8/31/11
STATE OF CALIFORNIA

Michael Marello, PG, CHG, REA I
Project Manager/Senior Hydrogeologist

Attachments:
- Attachment A – Site Map
- Attachment B - Table 1
- Attachment C – Boring Logs
- Attachment D – Laboratory Analytical Reports for Soil

cc: David Mark/OCWD
EST Project File 2736

ATTACHMENT A

SITE MAP

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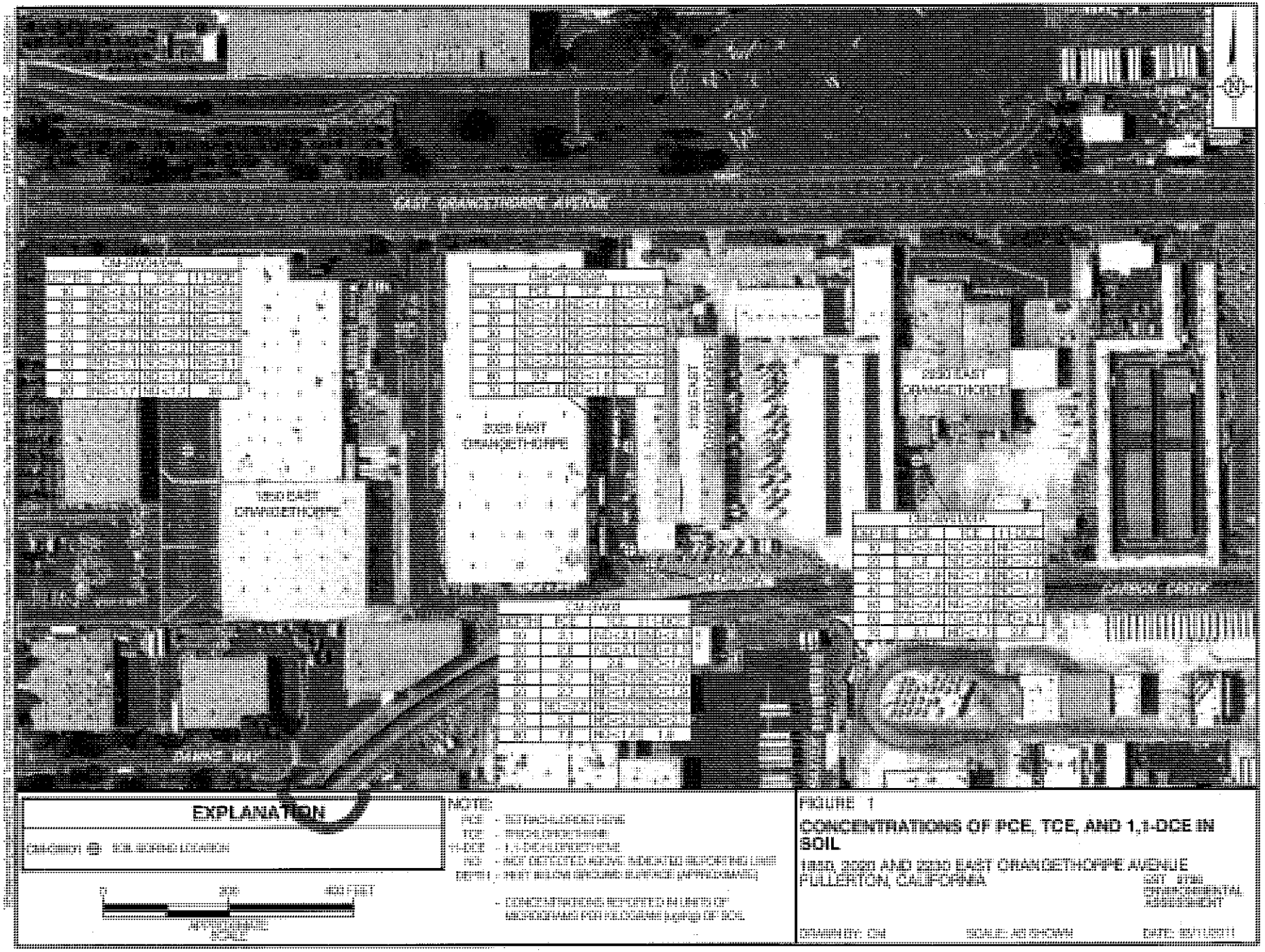
EXPLANATION
NOTE:
FIGURE 1
CONCENTRATIONS OF PCE, TCE, AND 1,1-DCE IN SOIL
1850, 2020 AND 2030 EAST ORANGETHORPE AVENUE
FULLERTON, CALIFORNIA
DRAWN BY: CM
SCALE: AS SHOWN

ATTACHMENT B

SUMMARY TABLE OF SOILS ANALYSES

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TABLE 1

Summary of Laboratory Analytical Data for Volatile Organic Compounds in Soil 1850, 2020 and 2230 East Orangethorpe Avenue, Fullerton, California

01/28/11 EST2736

Location Address	Sample Number	Date (mm/dd/yy)	Depth ft. bgs	PCE (µg/Kg)	TCE (µg/Kg)	Cis-12-DCE (µg/Kg)	111-TCA (µg/Kg)	11-DCE (µg/Kg)	11-DCA (µg/Kg)	112-TCA (µg/Kg)	CDS (µg/Kg)
Pete's Road Service	CM-GW01-10	01/19/11	10	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0	ND<3.0
2230 E. Orangethorpe Ave.	CM-GW01-20	01/19/11	20	**3.8**	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	**8.0**
Fullerton, California	CM-GW01-30	01/19/11	30	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
	CM-GW01-40	01/19/11	40	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW01-50	01/19/11	50	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4	ND<2.4
	CM-GW01-60	01/19/11	60	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
	CM-GW01-70	01/19/11	70	**2.1**	ND<1.7	ND<1.7	ND<1.7	**2.6**	ND<1.7	ND<1.7	ND<1.7
Vista Paint	CM-GW02-10	01/21/11	10	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	**2.1**
2020 E. Oragethorpe Ave.	CM-GW02-20	01/21/11	20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Fulerton, California	CM-GW02-30	01/21/11	30	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW02-40	01/21/11	40	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW02-50	01/21/11	50	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW02-60	01/21/11	60	**9.2**	ND<1.8	**1.8**	**2.0**	ND<1.8	ND<1.8	ND<1.8	ND<1.8
	CM-GW02-70	01/21/11	70	ND<1.8	ND<1.8	ND<1.8	ND<1.8	**19**	**4.9**	**1.8**	ND<1.8
Vista Paint	CM-GW03-10	01/21/11	10	**2.1**	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
2020 E. Oragethorpe Ave.	CM-GW03-20	01/21/11	20	**2.6**	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
Fullerton, California	CM-GW03-30	01/21/11	30	**22**	**2.6**	ND<1.8	**4.5**	ND<1.8	ND<1.8	ND<1.8	ND<1.8
	CM-GW03-40	01/21/11	40	**3.7**	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	CM-GW03-50	01/21/11	50	**2.7**	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
	CM-GW03-60	01/21/11	60	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW03-70	01/21/11	70	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW03-80	01/21/11	80	**7.9**	ND<1.9	ND<1.9	ND<1.9	**1.9**	ND<1.9	ND<1.9	ND<1.9
Liquidation Services	CM-GW04-10	01/20/11	10	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1850 E. Orangethorpe Ave.	CM-GW04-20	01/20/11	20	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
Fullerton, California	CM-GW04-30	01/20/11	30	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9	ND<1.9
	CM-GW04-40	01/20/11	40	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2
	CM-GW04-50	01/20/11	50	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3	ND<2.3
	CM-GW04-60	01/20/11	60	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1
	CM-GW04-70	01/20/11	70	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	ND<1.6	**5.5**
	CM-GW04-80	01/20/11	80	ND<1.7	ND<1.7	**4.2**	ND<1.7	**35**	**2.3**	ND<1.7	ND<1.7

Explanation

ft. bgs = feet below ground surface (approximate)
PCE = tetrachloroethene
TCE = trichloroethene
cis-12-DCE = cis-1,2-dichloroethene
111-TCA = 1,1,1-trichloroethane
11-DCE = 1,1-dichloroethene
11-DCA = 1,1-dichloroethane
112-TCA = 1,1,2-trichloroethane
CDS = carbon sidulfide
µg/Kg = micrograms per kilogram of soil
ND = not detected above reporting limit
Note: EPA 8260B VOCs not listed were not detected

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ATTACHMENT C

SOIL BORING LOGS

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW01 - 01-19-2011 - 02/09/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW01			
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California		Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS	
Logged By: A. Flores	Date Drilled: 01/19/2011	Checked By: M. Marello, PG, CHG	1 of 4

WATER AND WELL DATA

Total Depth of Well Completed:	Temporary Well ≈80 Feet
Depth of Water First Encountered: ≈80 Feet	Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet
Static Depth of Water in Well: ≈80 Feet	Slot Size and Filter Pack: 0.020 in., #3 Sand
Total Depth of Boring: 85 Feet	Type/Size of Soil Sampler: 2 in. ID Split Barrel

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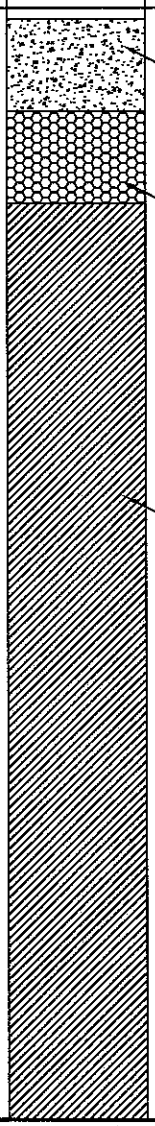
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density/stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))
0						0	Asphalt Surface ≈8 In.
							Pothole to 6 feet
5						5	
10		14 / 19 / 24	08:45	2.5		10	Begin logging at 10 feet Sand (SW), trace gravel, medium to coarse grained, light brown, moist
15		16 / 1[illegible] / 1[illegible]	08:53			15	Sand (SW), some gravel, medium to coarse grained, brown, slightly moist
20		14 / 22 / 20	08:57	2.0		20	Sand (SW), some gravel, medium to coarse grained, brown, dry

WELL/BORING GRAPHIC — Description



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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW01		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/19/2011	Checked By: M. Marello, PG, CHG
		2 of 4

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))
25		13/17/21	09:01	2.8		25	Sand (SM), some silt, fine to medium grained, brown, slightly moist
30		30/25/25	09:09	4.3		30	Sand (SW), trace silt, medium grained, light brown, slightly moist
35		19/22/23	09:16	2.2		35	Sand (SW), trace gravel, medium grained, light brown, slightly moist
40		11/18/17	09:19	2.6			Sand (SP), some silt, fine grained, light brown, slightly moist
45		10/[illegible]/18	09:22	2.5		45	Sand (SW), medium grained, light brown, slightly moist
50		11/15/17	09:27	1.7		50	Sand (SW), medium grained, light brown, slightly moist

WELL/BORING GRAPHIC: Bentonite Grout to 85 Feet

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW01		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/19/2011	Checked By: M. Marello, PG, CHG
		3 of 4

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
55		14 / 17 / 17	09:39	3.9		55	Sand (SW), trace gravel, medium to coarse grained, brown, slightly moist		
60		17 / 15 / 22	09:43	5.0		60	Sand (SP), trace silt, fine grained, brown, slightly moist		
65		14 / 16 / 28	09:48	3.8		65	Sand (SP), trace silt, fine grained, brown, slightly moist		Bentonite Grout to 85 Feet
70		12 / 14 / 16	09:58			70	Silt with clay (ML-CL), fine grained, olive-brown, moist		
75		13 / 14 / 16	[illegible]	6.0		75	Silt with clay (ML-CL), some sand, fine grained, olive-brown, moist		
80		11 / 12 / 14	10:20	3.5		80	Clay, some silt (CL), olive-brown, wet		

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW01

Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/19/2011	Checked By: M. Marello, PG, CHG

SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation	And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	WELL/BORING GRAPHIC	Description
85						85	EOH 85 Feet						Bentonite Grout to 85 Feet
90						90							
95						95							
100						100							
105						105							

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW02 - 01-21-2011 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW02			
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California		Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS	
Logged By: A. Flores	Date Drilled: 01/21/2011	Checked By: M. Marello, PG, CHG	1 of 4

WATER AND WELL DATA	
Total Depth of Well Completed: Temporary Well ≈85 Feet	
Depth of Water First Encountered: ≈80 Feet	Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet
Static Depth of Water in Well: ≈75 Feet	Slot Size and Filter Pack: 0.020 in., #3 Sand
Total Depth of Boring: 85 Feet	Type/Size of Soil Sampler: 2 in. ID Split Barrel

SOIL/ROCK SAMPLE DATA

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log
10		8/9/12	07:45	0.7	
15		7/8/12	07:48		
20		20/9/10	07:52	0.9	

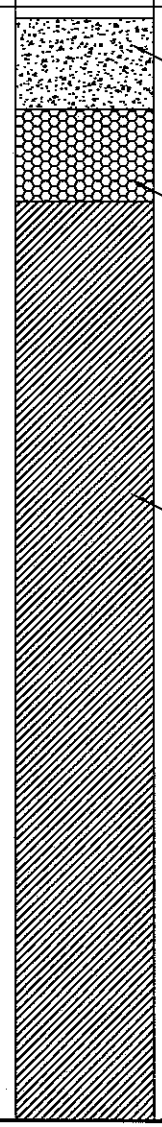
DESCRIPTION OF LITHOLOGY

Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation

And (40-50%) With (25-40%) Some (10-25%) Trace (0-10%)

Depth in Feet	Description
0	Asphalt Surface ≈6 In.
	Pothole to 6 feet
10	Begin logging at 10 feet
	Sand (SW) and trace gravel, medium grained, light brown, dry
15	Sand (SP), fine to medium grained, light brown, dry.
20	Sand (SW), trace gravel, medium to coarse grained, brown, dry

WELL/BORING GRAPHIC



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\\Fsteserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW02 - 01-21-2011 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW02

Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/21/2011	Checked By: M. Marello, PG, CHG

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
25		7/10/13	08:14	8.4		25	Sand (SP), trace silt, fine grained, light brown, slightly moist	Bentonite Grout to 85 Feet	
30		8/8/12	08:16	0.8		30	Sand (SW), trace gravel, [illegible] medium grained, light brown, slightly moist		
35		7/10/14	08:21	3.4		35	Sand (SP), [illegible] silt, fine grained, light brown, slightly moist		
40		7/12/15	08:23				Sand (SW), some silt, fine to medium grained, brown, slightly moist		
45		8/12/13	[illegible]	6.4		45	Sand (SW), some silt, fine grained, light brown, slightly moist		
50		6/9/11	08:30	4.1		50	Sand (SP), fine grained, light brown, slightly moist		

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW02 - 01-21-2011 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW02		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/21/2011	Checked By: M. Marello, PG, CHG
		3 of 4

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))
55		7/11/15	08:35	14.2		55	Sand (SW), fine to medium grain, light brown, slightly moist
60		7/7/16	08:40	1.9		60	Silt (ML), some clay, trace sand, fine grained, brown, slightly moist
65		5/8/14	08:46	1.6		65	Sand (SP), trace silt, fine grained, light brown, slightly moist
70		9/10/18	08:5[illegible]	2.2		70	Silt (ML), some clay, trace sand, fine grained, olive-brown, moist
75		14/18/21	08:58	1.64		75	Sand (SP), trace silt, fine grained, brown, moist
80		10/14/16	09:08	2.4		80	Sand (SW), trace gravel, fine to medium grained, brown, moist

WELL/BORING GRAPHIC — Description: Bentonite Grout to 85 Feet

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW02		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/21/2011	Checked By: M. Marello, PG, CHG
		4 of 4

Depth in Feet	SOIL/ROCK SAMPLE DATA: Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
							Silt (ML), some sand, trace clay, fine grained, brown, w		Bentonite Grout to 85 Feet
85		11 / 11 / 16	09:15	28.6		85	EOH 85 Feet		
90						90			
95						95			
100						100			
105						105			

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW03 - 01-21-2011 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW03			
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California		Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS	
Logged By: M. Marello, PG, CHG	Date Drilled: 01/21/2011	Checked By:	1 of 4

WATER AND WELL DATA	
Total Depth of Well Completed:	Temporary Well ≈85 Feet
Depth of Water First Encountered: ≈80 Feet	Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet
Static Depth of Water in Well: ≈76 Feet	Slot Size and Filter Pack: 0.020 in., #3 Sand
Total Depth of Boring: 85 Feet	Type/Size of Soil Sampler: 2 in. ID Split Barrel

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Depth in Feet	SOIL/ROCK SAMPLE DATA: Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
0						0	Asphalt Surface ≈6 In.		Concrete
							Pothole to 6 feet		Bentonite Chip Seal
5						5			
10		11/18/22	08:16	1.9		10	Begin logging at 10 feet Well graded sand, some silt (SW-SM), light brown, slightly moist		Bentonite Grout to 85 Feet
15		14/15/17	08:22	1.0		15	Fine to medium sand (SP-SW), light grayish-brown, slightly moist		
20		15/18/20	08:27	1.5		20	Fine to medium sand (SP-SW), light grayish-brown, slightly moist		

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW03 - 01-21-2011 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW03

Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: M. Marello, PG, CHG	Date Drilled: 01/21/2011	Checked By:

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
25		12/15/17	08:30	0.9		25	Well graded sand (SW), light brown, slightly moist		
30		14/16/18	08:36	2.2		30	Well graded sand, trace gravel (SW), light-brown, slightly moist		
35		14/16/20	08:41	1.4		35	Fine to medium sand (SP-SM), light brown, slightly moist		
40		14/18/22	08:50	1.7			Fine to medium sand (SP-SM), light brown, slightly moist		
45		7/[illegible]/25	08:53	1.8		45	Fine sand, trace silt (SP), light grayish-brown, slightly moist		
50		16/24/27	08:57	1.8		50	Well graded sand, trace silt (SW), light brown, slightly moist		Bentonite Grout to 85 Feet

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW03

Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: M. Marello, PG, CHG	Date Drilled: 01/21/2011	Checked By:

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
55		18 / 23 / 27	09:02	0.4		55	Well graded sand, some silt (SW-SM), grayish-brown, moist		
60		12 / 19 / 16	09:09	1.9		60	Well graded sand (SW), light brown, slightly moist		
65		14 / 17 / 22	09:15	1.2		65	Fine sand with silt (SM), grayish-brown, slightly moist		
70		16 / 18 / 25	09:20	[illegible]		70	Very fine sand to coarse silt (SP-ML), light brown, slightly moist to dry		
75		16 / 12 / 20	[illegible]	980		75	Well graded sand, some silt (SW-SM), moist		
80		17 / 18 / 20	09:30	8,500		80	Clay, some silt (CL), olive-gray, very moist		Bentonite Grout to 85 Feet

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW03 - 01-21-2011 - 01/24/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW03

Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: M. Marello, PG, CHG	Date Drilled: 01/21/2011	Checked By:

SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation	And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	WELL/BORING GRAPHIC	Description
							Silt and clay, trace sand (ML-CL), olive-brown, very mo						Bentonite Grout to 85 Feet
85						85	EOH 85 Feet						
90						90							
95						95							
100						100							
105						105							

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW04 - 01-20-2011 - 02/09/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW04			
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California		Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS	
Logged By: A. Flores	Date Drilled: 01/20/2011	Checked By: M. Marello, PG, CHG	1 of 4

WATER AND WELL DATA	
Depth of Water First Encountered: ≈80 Feet	Total Depth of Well Completed: Temporary Well ≈85 Feet
Static Depth of Water in Well: ≈72 Feet	Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 75-85 Feet
Total Depth of Boring: 85 Feet	Slot Size and Filter Pack: 0.020 in., #3 Sand
	Type/Size of Soil Sampler: 2 in. ID Split Barrel

Depth in Feet	SOIL/ROCK SAMPLE DATA: Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
0						0	Asphalt Surface ≈6 In.		Concrete
							Pothole to 6 feet		Bentonite Chip Seal
5						5			
10		7/14/55	08:15	1.0		10	Begin logging at 10 feet		Bentonite Grout to 85 Feet
							Sand (SP), fine grained, light brown, moist		
15		12/15/[illegible]	08:20	1.3		15	Sand (SW), some gravel, light brown, slightly moist		
20		9/12/17	08:27	4.5		20	Sand (SW), trace gravel, medium to coarse grained, light brown, slightly moist		

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW04		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/21/2011	Checked By: M. Marello, PG, CHG
		2 of 4

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
25		12/15/20	08:30	4.0		25	Sand (SW), fine to medium grained, light brown, moist		Bentonite Grout to 85 Feet
30		13/15/20	08:37	2.3		30	Sand (SP), some silt, fine grained, brown, slightly moist		
35		14/21/24	08:42	5.9		35	Sand (SW), medium grained, light brown, slightly moist		
40		16/18/20	08:47	4.5		40	Sand (SP), fine to medium grained, light brown, slightly moist		
45		15/[illegible]/18	08:58	3.7		45	Sand (SP), trace silt, fine grained, light brown, slightly moist		
50		12/16/19	09:04	5.1		50	Sand (SP), some silt, fine grained, light brown, slightly moist		

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SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW04			
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California		Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS	
Logged By: A. Flores	Date Drilled: 01/21/2011	Checked By: M. Marello, PG, CHG	3 of 4

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
55		18/20/20	09:08	2.4		55	Sand (SP), trace silt, fine grained, light brown, slightly moist		
60		12/16/18	09:13	4.4		60	Sand (SW), trace gravel, medium grained, light brown, slightly moist		
65		20/20/25	09:17	4.2		65	Sand (SW), some gravel, medium to coarse grained, light brown, very moist		Bentonite Grout to 85 Feet
70		16/18/20	09:23			70	Sand (SW) with trace gravel, fine to medium grained, moist		
75		9/10/14	[illegible]	0.6		75	Sand (SW) some silt, fine to medium grained, slightly moist		
80		7/9/10	09:45	1.5		80	Clay with silt (CL-ML), fined grained, olive-brown, very moist		

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Boring Log CM-GW04 - 01-20-2011 - 02/09/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW04		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: CME-75	Type/Size of Auger: 8.25 In OD HS
Logged By: A. Flores	Date Drilled: 01/21/2011	Checked By: M. Marello, PG, CHG
		4 of 4

SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth In Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth In Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation	And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	WELL/BORING GRAPHIC	Description
							Water saturated at 85 feet, no soil sample						Bentonite Grout to 85 Feet
85						85	EOH 85 Feet						
90						90							
95						95							
100						100							
105						105							

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW01A - 02-22-2011 - 03/03/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW01A			
Project Name: MAS/OCWD	Project Location: 2230 E Orangethorpe Avenue, Fullerton, California		Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6", 4"	
Logged By: M. Marello, PG, CHG	Date Drilled: 02/22/2011 - 02/23/2011	Checked By:	1 of 3

WATER AND WELL DATA	
Total Depth of Well Completed:	Temporary Well
Depth of Water First Encountered: ≈120 Feet BGS	Screen Type, Dia., Interval: Sch 40 PVC, 2-Inch ID 124'-134'
Static Depth of Water in Well: ≈118 Feet BGS	Slot Size and Filter Pack: 0.020", Filter Sock
Total Depth of Boring: ≈135 Feet	Type/Size of Soil Sampler: 4" Core Barrel x 10'

SOIL/ROCK SAMPLE DATA

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)
0				
80				0
85				0
				0
				0.8
90				
				0.1
				0.3
95				1.0
				0.6

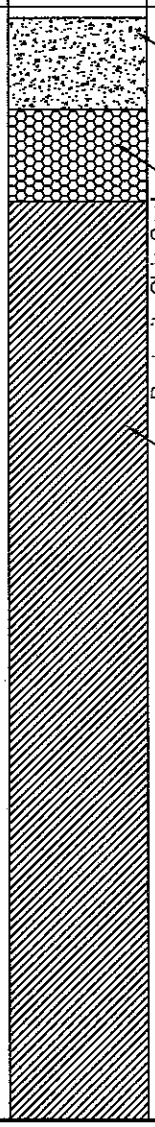
Graphic Log

DESCRIPTION OF LITHOLOGY

Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation

Depth in Feet	And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)
0	Pothole to 6 Feet			
80				
82.0 - 85.0 Ft: Clay, some silt (CL), olive-brown, very moist, very stiff				
85				
85.0 - 87.0 Ft: Clay, some silt (CL), olive-brown, very moist, very stiff				
87.0 - 89.0 Ft: Clay with fine sand, some silt (CL-SC), olive-brown, moist, very stiff				
89.0 - 90.0 Ft: Sand with clay, some silt (SC), olive-brown, moist, very stiff/hard				
90				
90.0 - 91.0 Ft: Sand with clay, some silt (SC), olive-brown, moist, very stiff/hard				
91.0 - 95.0 Ft: Clay, some fine sand and silt (CL), olive-brown, moist, stiff				
95				
95.0 - 99.0 Ft: Clay, trace silt (CL-CH), brown, moist, very stiff, medium to high toughness/plasticity, medium to high dry, strength				

WELL/BORING GRAPHIC



Description

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW01A - 02-22-2011 - 03/03/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW01A

Project Name: MAS/OCWD	Project Location: 2230 E Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6", 4"
Logged By: M. Marello, PG, CHG	Date Drilled: 02/22/2011 - 02/23/2011	Checked By:

SOIL/ROCK SAMPLE DATA

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)
100				0.5
				0.8
105				
				20
110				
115				
120				
125				

Graphic Log

DESCRIPTION OF LITHOLOGY

Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation

And (40-50%) | With (25-40%) | Some (10-25%) | Trace (0-10%)

99.0 - 100 Ft: Silt with clay, trace fine sand (ML), olive-brown, moist, soft

100 - 103 Ft: Well graded sand and gravel (SW-GW), gray, slightly moist to moist, gravel to 3-inch diameter, sub-rounded to well rounded

103 - 105 Ft: Well graded sand and gravel with clay, some silt (SC,GC), gray, dry, very dense. Slight sweet solvent-like odor.

105 - 106 Ft: Well graded sand and gravel with clay, some silt (SC,GC), gray, dry, very dense. Slight sweet solvent-like odor.

106 - 107 Ft: Clay, trace sand (CL), brown, moist, very stiff

107 - 110 Ft: Gravel with sand and clay, some silt (GC-GW), light gray, dry, dense

110 - 111 Ft: Clay, some gravel and sand (CL-GC), olive-gray, moist, medium stiff

111 - 115 Ft: Gravel with silt and sand (GW-GM), gray, dry, dense

115 - 118 Ft: Gravel with clay, some sand and silt (GC), gray, dry, dense

NOTE:Driller: ≈6" water in boring at 118 Feet

118 - 120 Ft: Gravel and sand, some silt (GW-SW), brownish gray, slightly moist

120 - 124.5 FT: Well graded sand, some silt and clay, some gravel (SW-SM), olive-gray, very moist to wet

124.5 - 125 Ft: Silt, some sand (ML), olive-brown, moist

125 - 130 Ft: Well Graded sand, some gravel, trace to some silt (SW), olive-brown, wet

WELL/BORING GRAPHIC

Description: Bentonite Grout Seal

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW01A - 02-22-2011 - 03/03/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No.: CM-GW01A

Project Name: MAS/OCWD	Project Location: 2230 E Orangethorpe Avenue, Fullerton, California	Project No.: 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6", 4"
Logged By: M. Marello, PG, CHG	Date Drilled: 02/22/2011 - 02/23/2011	Checked By:

Depth in Feet	SOIL/ROCK SAMPLE DATA: Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))	WELL/BORING GRAPHIC	Description
130						130	125 - 130 Ft: Well Graded sand, some gravel, trace to some silt (SW), olive-brown, wet		
							130 - 135 Ft: Well Graded sand, some gravel, trace to some silt (SW), olive-brown, wet		Bentonite Grout Seal
135						135	EOH 135 Feet		

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\\Etserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW02A - 03-04-2011 - 03/21/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW02A			
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California		Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6"	
Logged By: A. Flores	Date Drilled: 03/04/2011	Checked By: M. Marello, PG, CHG	1 of 3

WATER AND WELL DATA

Total Depth of Well Completed:	Temporary Well
Depth of Water First Encountered: ≈110' BGS	Screen Type, Dia., Interval: Sch 40 PVC, 2 in. 121'- 131'
Static Depth of Water in Well: ≈116' BGS	Slot Size and Filter Pack: 0.02", fitter sock
Total Depth of Boring: ≈136'	Type/Size of Soil Sampler: 4" core barrel x 1[illegible]

SOIL/ROCK SAMPLE DATA

Depth In Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log
0					
80					
				2.9	
85			09:37		
				1.9	
				1.2	
90					
				1.0	
			10:01		
				3.2	
95					
				2.6	
			10:15		
				2.7	

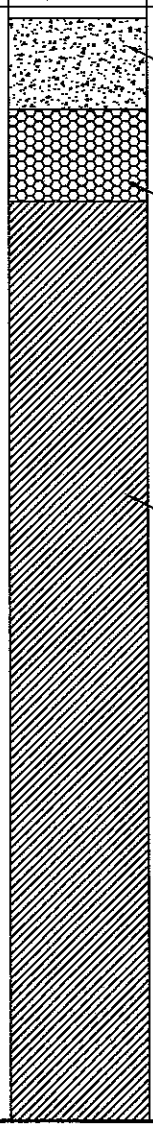
DESCRIPTION OF LITHOLOGY

Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation

And (40-50%) | With (25-40%) | Some (10-25%) | Trace (0-10%)

Depth in Feet	Description
0	Pothole to 6 feet
	Begin logging at 80 feet
80	80-81 Ft: Clay, some sand, trace silt, brown, moist, high plasticity (CH)
	81-88 Ft: Clay, trace sand, brown, moist, high plasticity (CH)
85	
	88-90 Ft: Well graded sand, some gravel, brown, moist (SW)
90	90-91 Ft: Sand, fine to medium grained, brown, moist (SM)
	91-92 Ft: Silt with clay, trace sand, brown, slightly moist (ML)
	92-95 Ft: Clay, some silt, high plasticity, reddish brown, slightly moist (CH)
95	95-96 Ft: Clay, trace sand, high plasticity, olive brown, slightly moist (CH)
	96-98 Ft: Clay with sand, some gravel, low plasticity, slightly moist (CL)

WELL/BORING GRAPHIC



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Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW02A - 03-04-2011 - 03/21/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW02A		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6"
Logged By: A. Flores	Date Drilled: 03/04/2011	Checked By: M. Marello, PG, CHG
		2 of 3

SOIL/ROCK SAMPLE DATA

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log
100					
				0.7	
			12:09		
105					
				0.2	
110					
				1.5	
115			12:28		
				2.3	
120					
				0.8	
			01:15		
125					
				0.4	

DESCRIPTION OF LITHOLOGY

Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation

And (40-50%) | With (25-40%) | Some (10-25%) | Trace (0-10%)

98-99 Ft: Sand, fine grained, some gravel, brown, slightly moist (SM)
99-100 Ft: Well graded sand with gravel, grayish brown, dry (SW)

100-104 Ft: Well graded sand, some clay, some gravel, olive brown, moist (SW)

104-107 Ft: Well graded sand and gravel, grayish brown, dry (SW-GW)

107-110 Ft: Clay, some sand, some gravel, dry, grayish brown, high plasticity (CH)

110-112 Ft: Sand, fine grained, trace gravel, brown, slightly moist (SM)

112-113 Ft: Sand, fine grained, trace gravel, brown, slightly moist (SM)

113-118 Ft: Sand, fine grained with gravel, trace silt, grayish brown, dry (SM)

118-120 Ft: Sand, fine grained, some gravel, grayish brown, slightly moist (SM)

120-125 Ft: Well graded sand with gravel, trace silt, olive brown, wet (SW)

125-128 Ft: Sand, fine grained, some gravel, trace silt, light olive brown, moist (SM)

WELL/BORING GRAPHIC

Description: Bentonite Grout to 136 Feet

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Environmental Support Technologies

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW02A		
Project Name: MAS/OCWD	Project Location: 2020 East Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6"
Logged By: A. Flores	Date Drilled: 03/04/2011	Checked By: M. Marello, PG, CHG
		3 of 3

SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation	And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	WELL/BORING GRAPHIC	Description
			01:34				128-129 Ft: Well graded sand and gravel, olive brown, wet (SW)						
				0.2			129-130 Ft: Well graded sand, some gravel, trace silt, olive brown, wet (SW)						
130						130	130-131 Ft: Sand, fine grained, some silt, olive brown, wet (SW)						
				0.0			131-132 Ft: Clay, trace silt, olive brown, high plasticity, moist (CH)						
				0.0			132-136 Ft: Well graded sand, some gravel, trace clay, olive brown, moist (SW)						
			01:37										
135				0.0		135							
							EOH 136 Feet						

Bentonite Grout to 136 Feet

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW02A - 03-04-2011 - 03/21/2011

Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW03A - 03-10-2011 - 03/11/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW03A

Project Name: MAS/OCWD	Project Location: 2230 E Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6", 4"
Logged By: M. Marello, PG, CHG	Date Drilled: 03/04/2011 - 03/05/2011	Checked By: 1 of 3

WATER AND WELL DATA

Total Depth of Well Completed:	Temporary Well 133 ft.
Depth of Water First Encountered: ≈120 Feet BGS	Screen Type, Dia., Interval: Sch 40 PVC, 2-Inch ID 123'-133'
Static Depth of Water in Well: ≈118 Feet BGS	Slot Size and Filter Pack: 0.020", Filter Sock
Total Depth of Boring: ≈135 Feet	Type/Size of Soil Sampler: 4" Core Barrel x [illegible]

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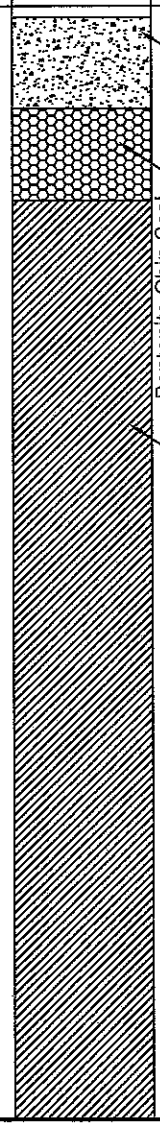
SOIL/ROCK SAMPLE DATA					DESCRIPTION OF LITHOLOGY	
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation. And (40-50%) / With (25-40%) / Some (10-25%) / Trace (0-10%)
0						0	Pothole to 6 Feet
80				1.8		80	80.0-82.0 Ft: Clay, trace fine sand (CL), olive brown, moist, very stiff
			10:20				82.0 - 85.0 Ft: Clay, with fine sand, some silt (CL-SC), olive-brown, moist, stiff
85				2.5		85	85.0 - 87.0 Ft: Clay, with fine sand, some silt(CL-SC), olive-brown, moist, stiff. Increase in clay content with depth
							87.0 - 91.0 Ft: Clay, some fine sand, (CL), brown, moist, stiff
90			10:45			90	
				3.0			91.0 - 95.0 Ft: Clay (CL-CH), brown, moist, trace-silt, med. to high plasticity, med. toughness, high dry strength.
95				2.1		95	95.0 - 98.0 Ft: Well graded sand with gravel (SW), light brown, slightly moist, hard
			11:00				98.0 - 100.0 Ft: Gravel with silt and clay, some sand (GC) light brownish gray, dry, hard

WELL/BORING GRAPHIC — Description



Environmental Support Technologies

\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW03A - 03-10-2011 - 03/11/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW03A		
Project Name: MAS/OCWD	Project Location: 2230 E Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6", 4"
Logged By: M. Marello, PG, CHG	Date Drilled: 03/04/2011 - 03/05/2011	Checked By:
		2 of 3

SOIL/ROCK SAMPLE DATA

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log
100				2.1	
105			13:15	0.4	
				0.9	
110				0.5	
			13:30		
115				1.5	
120			13:50	0.8	
125			14:45	1.5	

DESCRIPTION OF LITHOLOGY

Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation

And (40-50%) | With (25-40%) | Some (10-25%) | Trace (0-10%)

98.0 - 100.0 Ft: Gravel with silt and clay, some sand (GC) light brownish gray, dry, hard

100 - 102 Ft: No Recovery

102 - 105 Ft: Clay with silt, some sand (CL-ML) brown, soft, wet

105 - 107 Ft: Gravel with clay, some sand (GC) gray, moist, hard/stiff

107 - 110 Ft: Well graded sand and gravel (SW-GW), slightly moist to moist

110 - 115 Ft: Well graded sand and gravel, some silt, trace clay (SW-GW),brownish gray, moist at 112 ft., dry 113-115 ft

115 - 122 Ft: Well graded sand and gravel, some clay (SC-GC), brownish gray, wet at 120 ft.

122 - 125 Ft: Silt, trace clay (ML), olive brown, very moist

125-127 FT: Silt, trace clay (ML),olive brown, very moist, wet at 125 ft.

WELL/BORING GRAPHIC

Description: Bentonite Grout Seal

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW03A - 03-10-2011 - 03/11/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW03A

Project Name: MAS/OCWD	Project Location: 2230 E Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6", 4"
Logged By: M. Marello, PG, CHG	Date Drilled: 03/04/2011 - 03/05/2011	Checked By:

SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation	And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	WELL/BORING GRAPHIC	Description
							127 - 130 Ft: Well Graded sand, some gravel(SW), light brown, wet						
130			14:55			130	130 - 132 Ft: Well Graded sand, some gravel (SW), light brown, wet						
							132 - 135 Ft: Well Graded sand, some gravel (SW), light brown, wet						Bentonite Grout Seal
135						135	EOH 135 Feet						

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW04A - 02-24-2011 - 03/02/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW04A

Project Name: MAS/OCWD	Project Location: 1850 E Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6"
Logged By: M. Marello, PG, CHG	Date Drilled: 02/24/2011 - 02/25/2011	Checked By:

WATER AND WELL DATA

Total Depth of Well Completed:	Temporary Well
Depth of Water First Encountered: ≈120 Feet BGS	Screen Type, Dia., Interval: Sch 40 PVC, 2-Inch ID 123'-133'
Static Depth of Water in Well: ≈122 Feet BGS	Slot Size and Filter Pack: 0.020", Filter Sock
Total Depth of Boring: ≈135 Feet	Type/Size of Soil Sampler: 4" Core Barrel x [illegible]

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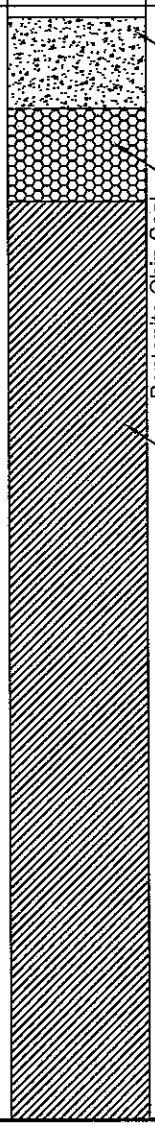
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	DESCRIPTION OF LITHOLOGY (Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation; And (40-50%), With (25-40%), Some (10-25%), Trace (0-10%))
0						0	Pothole to 6 Feet
80			10:45			80	80.0 - 85.0 Ft: Clay (CL-CH), dark gray, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength
85			11:05			85	85.0 - 87.5 Ft: Clay with silt (CL), brown, stiff, moist to medium-dry strength 87.5 - 88.5 Ft: Clay, trace silt (CL-CH), brown, moist, very stiff, high dry strength 88.5 - 90.0 Ft: Clay with silt (CL), brown, moist, very stiff
90						90	90.0 - 92.0 Ft: Fine sand with silt, some clay (SM), brown, very moist
95			11:25			95	92.0 - 96.0 Ft: Clay with silt (CL), brown, medium stiff, moist 96.0 - 100 Ft: Clay (CL-CH), brown, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength

WELL/BORING GRAPHIC — Description



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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crudible-Vista Paint 3-2011\Boring Log CM-GW04A - 02-24-2011 - 03/02/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW04A		
Project Name: MAS/OCWD	Project Location: 1850 E Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6"
Logged By: M. Marello, PG, CHG	Date Drilled: 02/24/2011 - 02/25/2011	Checked By:
		2 of 3

SOIL/ROCK SAMPLE DATA

Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log
100					
				0	
			13:55		
				0	
105				0	
			14:10		
				0	
				0	
110				0	
				0	
115			14:40	0	
				0	
				0.1	
120				0.5	
				0	
				0	
125			15:20		
				0	

DESCRIPTION OF LITHOLOGY

Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation

And (40-50%) | With (25-40%) | Some (10-25%) | Trace (0-10%)

Depth in Feet	Description
100	96.0 - 100 Ft: Clay (CL-CH), brown, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength
	100 - 101 Ft: Clay (CL-CH), brown, moist, very stiff, medium to high toughness, medium to high plasticity, high dry strength
	101 - 102.5 Ft: Clay with silt, some sand, trace gravel (CL), very moist, brown, medium stiff to soft
	102.5 - 103 Ft: Gravel with clay, some sand (GC), olive-brown, moist
105	103 - 109 Ft: Well graded sand, some gravel (SW), light brown to brown, moist
110	109 - 110 Ft: Gravel with sand, some clay (GC), gray, moist to very moist
	110 - 113 Ft: Gravel with sand, some clay (GC), gray, moist to very moist
115	113 - 117 Ft: Well graded sand and gravel (SW-GW), brown, moist
	117 - 118 Ft: Clay with silt, some sand (CL-ML), olive-brown, moist
	118 - 119 Ft: Gravel, some clay and sand (GW-GC), light gray, dry
	119 - 119.5 Ft: Fine sand, some silt (SP-SM), light brown, moist
120	119.5 - 120 Ft: Silt and clay, some fine sand (ML-CL), olive-brown, moist
	120 - 120.5 Ft: Well graded sand, some fine gravel (SW), brown, wet
	120.5 - 121.5 Ft: Clay, some silt (CL), olive-brown, very moist, stiff
	121.5 - 124.5 Ft: Silt, trace clay (ML), olive-brown, very moist to wet
125	124.5 - 128 Ft: Well graded sand and gravel, trace clay (SW-GW), olive-brown, wet

WELL/BORING GRAPHIC: Bentonite Grout Seal

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\\Estserver\projects\EST2700 To EST2799\EST2736\FIGURES\Groundwater Investigation\Crucible-Vista Paint 3-2011\Boring Log CM-GW04A - 02-24-2011 - 03/02/2011

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION LOG

Boring No. CM-GW04A

Project Name: MAS/OCWD	Project Location: 1850 E Orangethorpe Avenue, Fullerton, California	Project No. 2736
Driller: Cascade	Type of Rig: Sonic	Type/Size of Auger: Sonic Pipe 8", 6"
Logged By: M. Marello, PG, CHG	Date Drilled: 02/24/2011 - 02/25/2011	Checked By:

SOIL/ROCK SAMPLE DATA						DESCRIPTION OF LITHOLOGY					
Depth in Feet	Interval	Blow Ct.	Time	Field PID (ppm)	Graphic Log	Depth in Feet	Standard classification, texture, relative moisture, density, stiffness, odor-staining, USCG designation	And (40-50%)	With (25-40%)	Some (10-25%)	Trace (0-10%)	WELL/BORING GRAPHIC	Description
				0			128 - 128.5 Ft: Gravel with clay, some sand and silt (GC), olive-brown, wet						
							128.5 - 130 Ft: Gravel and well graded sand, trace clay and silt (GW-SW), olive-brown, wet						
130				0		130	130 - 130.5 Ft: Gravel and well graded sand, trace clay and silt (GW-SW), olive-brown, wet						
			15:45	0			130.5 - 132 Ft: Silt with fine sand (ML-SM), light brown, wet						
				0			132 - 133 Ft: Medium to fine sand with silt (SM), light brown, wet						
							133 - 135 Ft: Silt, trace clay (ML), light brown, wet						
135				0		135	EOH 135 Feet						Bentonite Grout Seal

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ATTACHMENT C

LABORATORY REPORTS FOR SOILS ANALYSES

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360 Goddard Irvine, CA 92618
Tel (949) 679-9500 Fax (949) 679-9501

January 27, 2011

Mr. Michael Marello
Environmental Support Technologies
360 Goddard
Irvine, California 92618

RE: 2230 E. Orangethrope Ave., Fullerton CA.

Enclosed are the results of analyses for soil samples received by Environmental Support Technologies laboratory on 01/20/11 08:47. The analyses were performed according to the prescribed method as outlined by EPA 8260B. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Dien Nguyen

Dien Nguyen
Senior Chemist

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Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 1996, 2511, and 2767.

360 Goddard, Irvine, California 92618
Telephone: (949) 679-9500 Fax: (949) 679-9501

Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
CM-GW01-10	2A12001-01	Soil	19-Jan-11 08:45	20-Jan-11 12:55
CM-GW01-20	2A12001-02	Soil	19-Jan-11 08:57	20-Jan-11 13:21
CM-GW01-30	2A12001-03	Soil	19-Jan-11 09:09	20-Jan-11 13:47
CM-GW01-40	2A12001-04	Soil	19-Jan-11 09:19	20-Jan-11 14:15
CM-GW01-50	2A12001-05	Soil	19-Jan-11 09:27	20-Jan-11 14:42
CM-GW01-60	2A12001-06	Soil	19-Jan-11 09:43	20-Jan-11 15:09
CM-GW01-70	2A12001-07	Soil	19-Jan-11 09:58	20-Jan-11 15:36

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-10 (2A12001-01) Soil Sampled: 01/19/11 08:45 Analyzed: 01/20/11 12:55									
1,1,1,2-Tetrachloroethane	ND	3.0	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	3.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	3.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	3.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.0	"	"	"	"	"	"	
Benzene	ND	3.0	"	"	"	"	"	"	
Bromobenzene	ND	3.0	"	"	"	"	"	"	
Bromochloromethane	ND	3.0	"	"	"	"	"	"	
Bromodichloromethane	ND	3.0	"	"	"	"	"	"	
Bromoform	ND	3.0	"	"	"	"	"	"	
Bromomethane	ND	3.0	"	"	"	"	"	"	
Carbon disulfide	ND	3.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.0	"	"	"	"	"	"	
Chlorobenzene	ND	3.0	"	"	"	"	"	"	
Chloroethane	ND	3.0	"	"	"	"	"	"	
Chloroform	ND	3.0	"	"	"	"	"	"	
Chloromethane	ND	3.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	3.0	"	"	"	"	"	"	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-10 (2A12001-01) Soil Sampled: 01/19/11 08:45 Analyzed: 01/20/11 12:55									
cis-1,3-Dichloropropene	ND	3.0	ug/kg	1	21A2001	01/2[illegible]	[illegible]/20/11	EPA 8260B	
Dibromochloromethane	ND	3.0	"	"	"	"	"	"	
Dibromomethane	ND	3.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.0	"	"	"	"	"	"	
Ethylbenzene	ND	3.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.0	"	"	"	"	"	"	
Isopropylbenzene	ND	3.0	"	"	"	"	"	"	
Methylene Chloride	ND	3.0	"	"	"	"	"	"	
Naphthalene	ND	3.0	"	"	"	"	"	"	
n-Butylbenzene	ND	3.0	"	"	"	"	"	"	
n-Propylbenzene	ND	3.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.0	"	"	"	"	"	"	
Styrene	ND	3.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	3.0	"	"	"	"	"	"	
Toluene	ND	3.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	3.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.0	"	"	"	"	"	"	
Trichloroethene	ND	3.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.0	"	"	"	"	"	"	
Vinyl Chloride	ND	3.0	"	"	"	"	"	"	
Xylenes (total)	ND	8.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.3 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-20 (2A12001-02) Soil Sampled: 01/19/11 08:57 Analyzed: 01/20/11 13:21									
1,1,1,2-Tetrachloroethane	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.4	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.4	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.4	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.4	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.4	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.4	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.4	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.4	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.4	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.4	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.4	"	"	"	"	"	"	
Benzene	ND	2.4	"	"	"	"	"	"	
Bromobenzene	ND	2.4	"	"	"	"	"	"	
Bromochloromethane	ND	2.4	"	"	"	"	"	"	
Bromodichloromethane	ND	2.4	"	"	"	"	"	"	
Bromoform	ND	2.4	"	"	"	"	"	"	
Bromomethane	ND	2.4	"	"	"	"	"	"	
Carbon disulfide	**8.0**	2.4	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.4	"	"	"	"	"	"	
Chlorobenzene	ND	2.4	"	"	"	"	"	"	
Chloroethane	ND	2.4	"	"	"	"	"	"	
Chloroform	ND	2.4	"	"	"	"	"	"	
Chloromethane	ND	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-20 (2A12001-02) Soil Sampled: 01/19/11 08:57 Analyzed: 01/20/11 13:21									
cis-1,3-Dichloropropene	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	2.4	"	"	"	"	"	"	
Dibromomethane	ND	2.4	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.4	"	"	"	"	"	"	
Ethylbenzene	ND	2.4	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.4	"	"	"	"	"	"	
Isopropylbenzene	ND	2.4	"	"	"	"	"	"	
Methylene Chloride	ND	2.4	"	"	"	"	"	"	
Naphthalene	ND	2.4	"	"	"	"	"	"	
n-Butylbenzene	ND	2.4	"	"	"	"	"	"	
n-Propylbenzene	ND	2.4	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.4	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Styrene	ND	2.4	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Tetrachloroethene	**3.8**	2.4	"	"	"	"	"	"	
Toluene	ND	2.4	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.4	"	"	"	"	"	"	
Trichloroethene	ND	2.4	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.4	"	"	"	"	"	"	
Vinyl Chloride	ND	2.4	"	"	"	"	"	"	
Xylenes (total)	ND	7.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*118 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Techuologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-30 (2A12001-03) Soil Sampled: 01/19/11 09:09 Analyzed: 01/20/11 13:47									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2001	01/2[illegible]	[illegible]/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-30 (2A12001-03) Soil Sampled: 01/19/11 09:09 Analyzed: 01/20/11 13:47									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	ND	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.7	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.8 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-40 (2A12001-04) Soil Sampled: 01/19/11 09:19 Analyzed: 01/20/11 14:15									
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2001	01/2[illegible]	[illegible]/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
Benzene	ND	2.2	"	"	"	"	"	"	
Bromobenzene	ND	2.2	"	"	"	"	"	"	
Bromochloromethane	ND	2.2	"	"	"	"	"	"	
Bromodichloromethane	ND	2.2	"	"	"	"	"	"	
Bromoform	ND	2.2	"	"	"	"	"	"	
Bromomethane	ND	2.2	"	"	"	"	"	"	
Carbon disulfide	ND	2.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"	
Chlorobenzene	ND	2.2	"	"	"	"	"	"	
Chloroethane	ND	2.2	"	"	"	"	"	"	
Chloroform	ND	2.2	"	"	"	"	"	"	
Chloromethane	ND	2.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-40 (2A12001-04) Soil Sampled: 01/19/11 09:19 Analyzed: 01/20/11 14:15									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2001	01/2[illegible]	[illegible]/20/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.7 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-50 (2A12001-05) Soil Sampled: 01/19/11 09:27 Analyzed: 01/20/11 14:42									
1,1,1,2-Tetrachloroethane	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.4	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.4	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.4	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.4	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.4	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.4	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.4	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.4	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.4	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.4	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.4	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.4	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.4	"	"	"	"	"	"	
Benzene	ND	2.4	"	"	"	"	"	"	
Bromobenzene	ND	2.4	"	"	"	"	"	"	
Bromochloromethane	ND	2.4	"	"	"	"	"	"	
Bromodichloromethane	ND	2.4	"	"	"	"	"	"	
Bromoform	ND	2.4	"	"	"	"	"	"	
Bromomethane	ND	2.4	"	"	"	"	"	"	
Carbon disulfide	ND	2.4	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.4	"	"	"	"	"	"	
Chlorobenzene	ND	2.4	"	"	"	"	"	"	
Chloroethane	ND	2.4	"	"	"	"	"	"	
Chloroform	ND	2.4	"	"	"	"	"	"	
Chloromethane	ND	2.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-50 (2A12001-05) Soil Sampled: 01/19/11 09:27 Analyzed: 01/20/11 14:42									
cis-1,3-Dichloropropene	ND	2.4	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	2.4	"	"	"	"	"	"	
Dibromomethane	ND	2.4	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.4	"	"	"	"	"	"	
Ethylbenzene	ND	2.4	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.4	"	"	"	"	"	"	
Isopropylbenzene	ND	2.4	"	"	"	"	"	"	
Methylene Chloride	ND	2.4	"	"	"	"	"	"	
Naphthalene	ND	2.4	"	"	"	"	"	"	
n-Butylbenzene	ND	2.4	"	"	"	"	"	"	
n-Propylbenzene	ND	2.4	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.4	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Styrene	ND	2.4	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.4	"	"	"	"	"	"	
Tetrachloroethene	ND	2.4	"	"	"	"	"	"	
Toluene	ND	2.4	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.4	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.4	"	"	"	"	"	"	
Trichloroethene	ND	2.4	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.4	"	"	"	"	"	"	
Vinyl Chloride	ND	2.4	"	"	"	"	"	"	
Xylenes (total)	ND	7.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-60 (2A12001-06) Soil Sampled: 01/19/11 09:43 Analyzed: 01/20/11 15:09									
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
Benzene	ND	2.1	"	"	"	"	"	"	
Bromobenzene	ND	2.1	"	"	"	"	"	"	
Bromochloromethane	ND	2.1	"	"	"	"	"	"	
Bromodichloromethane	ND	2.1	"	"	"	"	"	"	
Bromoform	ND	2.1	"	"	"	"	"	"	
Bromomethane	ND	2.1	"	"	"	"	"	"	
Carbon disulfide	ND	2.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"	
Chlorobenzene	ND	2.1	"	"	"	"	"	"	
Chloroethane	ND	2.1	"	"	"	"	"	"	
Chloroform	ND	2.1	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-60 (2A12001-06) Soil Sampled: 01/19/11 09:43 Analyzed: 01/20/11 15:09									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	ND	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-70 (2A12001-07) Soil Sampled: 01/19/11 09:58 Analyzed: 01/20/11 15:36									
1,1,1,2-Tetrachloroethane	ND	1.7	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.7	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.7	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.7	"	"	"	"	"	"	
1,1-Dichloroethene	**2.6**	1.7	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.7	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.7	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.7	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.7	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.7	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.7	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.7	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.7	"	"	"	"	"	"	
Benzene	ND	1.7	"	"	"	"	"	"	
Bromobenzene	ND	1.7	"	"	"	"	"	"	
Bromochloromethane	ND	1.7	"	"	"	"	"	"	
Bromodichloromethane	ND	1.7	"	"	"	"	"	"	
Bromoform	ND	1.7	"	"	"	"	"	"	
Bromomethane	ND	1.7	"	"	"	"	"	"	
Carbon disulfide	ND	1.7	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.7	"	"	"	"	"	"	
Chlorobenzene	ND	1.7	"	"	"	"	"	"	
Chloroethane	ND	1.7	"	"	"	"	"	"	
Chloroform	ND	1.7	"	"	"	"	"	"	
Chloromethane	ND	1.7	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.7	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Nnmber: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW01-70 (2A12001-07) Soil Sampled: 01/19/11 09:58 Analyzed: 01/20/11 15:36									
cis-1,3-Dichloropropene	ND	1.7	ug/kg	1	21A2001	01/20/11	01/20/11	EPA 8260B	
Dibromochloromethane	ND	1.7	"	"	"	"	"	"	
Dibromomethane	ND	1.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.7	"	"	"	"	"	"	
Ethylbenzene	ND	1.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.7	"	"	"	"	"	"	
Isopropylbenzene	ND	1.7	"	"	"	"	"	"	
Methylene Chloride	ND	1.7	"	"	"	"	"	"	
Naphthalene	ND	1.7	"	"	"	"	"	"	
n-Butylbenzene	ND	1.7	"	"	"	"	"	"	
n-Propylbenzene	ND	1.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Tetrachloroethene	**2.1**	1.7	"	"	"	"	"	"	
Toluene	ND	1.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.7	"	"	"	"	"	"	
Trichloroethene	ND	1.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.7	"	"	"	"	"	"	
Vinyl Chloride	ND	1.7	"	"	"	"	"	"	
Xylenes (total)	ND	5.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.9 %*		*75-125*		"	"	"	"
Surrogate: Toluene-d8		*102 %*		*75-125*		"	"	"	"
Surrogate: 4-Bromofluorobenzene		*95.5 %*		*75-125*		"	"	"	"

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2001 - Volatiles										
Blank (21A2001-BLK1)				Prepared & Analyzed: 01/20/11						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
1,1,2-Trichloro-trifluoroethane	ND	2.0	"							
1,1-Dichloroethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
1,1-Dichloropropene	ND	2.0	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	[illegible]	"							
1,2,4-Trichlorobenzene	ND	[illegible]	"							
1,2,4-Trimethylbenzene	ND	[illegible]	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	[illegible]	"							
1,2-Dichlorobenzene	[illegible]	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
1,3,5-Trimethylbenzene	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,3-Dichloropropane	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
2,2-Dichloropropane	ND	2.0	"							
2-Chlorotoluene	ND	2.0	"							
4-Chlorotoluene	ND	2.0	"							
Benzene	ND	2.0	"							
Bromobenzene	ND	2.0	"							
Bromochloromethane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	2.0	"							
Bromomethane	ND	2.0	"							
Carbon disulfide	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Chlorobenzene	ND	2.0	"							

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2001 - Volatiles										
Blank (21A2001-BLK1)				Prepared & Analyzed: 1/20/11						
Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorotifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	*46.0*		"	*50.0*		*92.1*	*75-125*			
Surrogate: Toluene-d8	*51.2*		"	*50.0*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*46.1*		"	*50.0*		*92.2*	*75-125*			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2001 - Volatiles										
LCS (21A2001-BS1)				Prepared & Analyzed: 1/20/11						
1,1,1,2-Tetrachloroethane	49.7	2.0	ug/kg	50.0		99.4	[illegible]-129			
1,1,1-Trichloroethane	45.8	2.0	"	50.0		[illegible]1.6	81-124			
1,1,2,2-Tetrachloroethane	56.5	2.0	"	50.0		11[illegible]	61-125			
1,1,2-Trichloroethane	47.5	2.0	"	50.0		95.0	77-118			
1,1,2-Trichloro-trifluoroethane	52.4	2.0	"	5[illegible]		105	85-115			
1,1-Dichloroethane	51.1	2.0	"	50.0		102	83-117			
1,1-Dichloroethene	51.0	2.0	"	50.0		102	85-116			
1,1-Dichloropropene	45.7	2.0	"	[illegible]0.0		91.5	80-116			
1,2,3-Trichlorobenzene	59.3	2.0	"	50.0		119	85-118			QL-H
1,2,3-Trichloropropane	50.9	2.[illegible]	"	50.0		102	64-122			
1,2,4-Trichlorobenzene	59.3	[illegible].0	"	50.0		119	85-115			QL-H
1,2,4-Trimethylbenzene	78.7	2.[illegible]	"	50.0		157	85-115			QL-H
1,2-Dibromo-3-chloropropane	57.6	2.0	"	50.0		115	36-148			
1,2-Dibromoethane	79.2	[illegible]	[illegible]	50.0		158	85-115			QL-H
1,2-Dichlorobenzene	[illegible]	2.0	"	50.0		133	85-115			QL-H
1,2-Dichloroethane	46.8	2.0	"	50.0		93.6	82-118			
1,2-Dichloropropane	[illegible]3	2.0	"	50.0		105	85-115			
1,3,5-Trimethylbenzene	81.[illegible]	2.0	"	50.0		163	85-115			QL-H
1,3-Dichlorobenzene	67.[illegible]	2.0	"	50.0		135	85-115			QL-H
1,3-Dichloropropane	50.8	2.0	"	50.0		102	83-116			
1,4-Dichlorobenzene	65.4	2.0	"	50.0		131	85-115			QL-H
2,2-Dichloropropane	52.0	2.0	"	50.0		104	71-144			
2-Chlorotoluene	46.8	2.0	"	50.0		93.5	85-115			
4-Chlorotoluene	70.4	2.0	"	50.0		141	85-115			QL-H
Benzene	43.5	2.0	"	50.0		87.0	85-115			
Bromobenzene	53.3	2.0	"	50.0		107	85-115			
Bromochloromethane	63.6	2.0	"	50.0		127	81-117			QL-H
Bromodichloromethane	55.9	2.0	"	50.0		112	80-121			
Bromoform	57.5	2.0	"	50.0		115	53-145			
Bromomethane	46.9	2.0	"	50.0		93.8	75-123			
Carbon disulfide	49.4	2.0	"	50.0		98.9	78-125			
Carbon tetrachloride	55.0	2.0	"	50.0		110	83-125			
Chlorobenzene	45.8	2.0	"	50.0		91.7	85-115			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2001 - Volatiles										
LCS (21A2001-BS1)				Prepared & Analyzed: 1/20/11						
Chloroethane	59.5	2.0	ug/kg	50.0		119	65-145			
Chloroform	52.2	2.0	"	50.0		104	82-120			
Chloromethane	50.9	2.0	"	50.0		102	71-128			
cis-1,2-Dichloroethene	51.8	2.0	"	50.0		104	81-122			
cis-1,3-Dichloropropene	55.5	2.0	"	50.0		111	85-116			
Dibromochloromethane	55.9	2.0	"	50.0		112	76-116			
Dibromomethane	54.3	2.0	"	50.0		109	83-117			
Dichlorodifluoromethane	49.5	2.0	"	50.0		99.0	75-118			
Ethylbenzene	44.5	2.0	"	50.0		89.0	83-115			
Hexachlorobutadiene	92.6	2.0	"	50.0		185	84-131			QL-H
Isopropylbenzene	50.6	2.0	"	50.0		101	85-115			
Methylene Chloride	56.6	2.0	"	50.0		113	85-119			
Naphthalene	77.3	2.0	"	50.0		155	58-121			QL-H
n-Butylbenzene	45.4	2.0	"	50.0		90.8	85-117			
n-Propylbenzene	[illegible]	2.0	"	50.0		87.0	85-115			
p-Isopropyltoluene	79.0	2.0	"	50.0		158	85-115			QL-H
sec-Butylbenzene	[illegible]	2.0	"	50.0		158	85-115			QL-H
Styrene	55.[illegible]	2.0	"	50.0		111	85-115			
tert-Butylbenzene	[illegible]	2.0	"	50.0		150	85-115			QL-H
Tetrachloroethene	45.2	2.0	"	50.0		90.4	70-139			
Toluene	46.3	2.0	"	50.0		92.6	77-115			
trans-1,2-Dichloroethene	47.6	2.0	"	50.0		95.2	85-115			
trans-1,3-Dichloropropene	54.9	2.0	"	50.0		110	77-121			
Trichloroethene	47.3	2.0	"	50.0		94.7	79-123			
Trichlorofluoromethane	67.4	2.0	"	50.0		135	63-151			
Vinyl Chloride	57.4	2.0	"	50.0		115	85-116			
Xylenes (total)	125	6.0	"	150		83.3	79-115			
Surrogate: Dibromofluoromethane	*50.4*		"	*50.0*		*101*	*75-125*			
Surrogate: Toluene-d8	*53.7*		"	*50.0*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*40.1*		"	*50.0*		*80.2*	*75-125*			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2001 - Volatiles										
LCS Dup (21A2001-BSD1)				Prepared & Analyzed: 1/20/11						
1,1,1,2-Tetrachloroethane	49.9	2.0	ug/kg	50.0		99.9	[illegible]-129	0.482	20	
1,1,1-Trichloroethane	42.4	2.0	"	50.0		[illegible]4.8	81-124	7.76	20	
1,1,2,2-Tetrachloroethane	55.7	2.0	"	50.0		11[illegible]	61-125	1.36	20	
1,1,2-Trichloroethane	46.6	2.0	"	50.0		93.2	77-118	1.91	20	
1,1,2-Trichloro-trifluoroethane	48.3	2.0	"	50.0		96.6	85-115	8.06	20	
1,1-Dichloroethane	48.3	2.0	"	50.0		96.6	83-117	5.67	20	
1,1-Dichloroethene	50.2	2.0	"	50.0		100	85-116	1.66	20	
1,1-Dichloropropene	45.5	2.0	"	50.0		91.0	80-116	0.482	20	
1,2,3-Trichlorobenzene	52.4	2.0	"	50.0		105	85-118	12.3	20	
1,2,3-Trichloropropane	50.6	2.0	"	50.0		101	64-122	0.631	20	
1,2,4-Trichlorobenzene	52.4	2.0	"	50.0		105	85-115	12.3	20	
1,2,4-Trimethylbenzene	75.2	2.0	"	50.0		150	85-115	4.50	20	QL-H
1,2-Dibromo-3-chloropropane	56.4	2.0	"	50.0		113	36-148	2.14	20	
1,2-Dibromoethane	75.2	2.0	"	50.0		150	85-115	5.21	20	QL-H
1,2-Dichlorobenzene	[illegible]	2.0	"	50.0		132	85-115	0.782	20	QL-H
1,2-Dichloroethane	47.4	2.0	"	50.0		94.8	82-118	1.32	20	
1,2-Dichloropropane	[illegible]	2.0	"	50.0		104	85-115	0.344	20	
1,3,5-Trimethylbenzene	77.[illegible]	2.0	"	50.0		156	85-115	4.72	20	QL-H
1,3-Dichlorobenzene	[illegible]	2.0	"	50.0		135	85-115	0.208	20	QL-H
1,3-Dichloropropane	48.7	2.0	"	50.0		97.4	83-116	4.22	20	
1,4-Dichlorobenzene	64.0	2.0	"	50.0		128	85-115	2.20	20	QL-H
2,2-Dichloropropane	49.8	2.0	"	50.0		99.6	71-144	4.25	20	
2-Chlorotoluene	46.6	2.0	"	50.0		93.2	85-115	0.300	20	
4-Chlorotoluene	68.8	2.0	"	50.0		138	85-115	2.18	20	QL-H
Benzene	43.7	2.0	"	50.0		87.4	85-115	0.367	20	
Bromobenzene	54.4	2.0	"	50.0		109	85-115	1.89	20	
Bromochloromethane	66.4	2.0	"	50.0		133	81-117	4.34	20	QL-H
Bromodichloromethane	53.6	2.0	"	50.0		107	80-121	4.27	20	
Bromoform	58.4	2.0	"	50.0		117	53-145	1.62	20	
Bromomethane	50.6	2.0	"	50.0		101	75-123	7.59	20	
Carbon disulfide	50.0	2.0	"	50.0		100	78-125	1.09	20	
Carbon tetrachloride	54.1	2.0	"	50.0		108	83-125	1.65	20	
Chlorobenzene	45.0	2.0	"	50.0		90.0	85-115	1.85	20	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2230 E. Orangethrope Ave., Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:28

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2001 - Volatiles										
LCS Dup (21A2001-BSD1)				Prepared & Analyzed: 1/20/11						
Chloroethane	60.4	2.0	ug/kg	50.0		121	143	1.47	20	
Chloroform	47.8	2.0	"	50.0		95.5	82-120	8.92	20	
Chloromethane	56.3	2.0	"	50.0		112	71-128	10.1	20	
cis-1,2-Dichloroethene	55.0	2.0	"	50.0		110	81-122	5.84	20	
cis-1,3-Dichloropropene	58.3	2.0	"	50.0		117	85-116	4.92	20	QL-H
Dibromochloromethane	57.2	2.0	"	50.0		114	76-116	2.33	20	
Dibromomethane	55.8	2.0	"	50.0		112	83-117	2.72	20	
Dichlorodifluoromethane	50.3	2.0	"	50.0		101	75-118	1.56	20	
Ethylbenzene	44.1	2.0	"	50.0		88.1	83-115	0.949	20	
Hexachlorobutadiene	84.7	2.0	"	50.0		169	84-131	8.96	20	QL-H
Isopropylbenzene	48.7	2.0	"	50.0		97.4	85-115	3.87	20	
Methylene Chloride	57.8	2.0	"	50.0		116	85-119	2.20	20	
Naphthalene	69.1	2.0	"	50.0		138	58-121	11.3	20	QL-H
n-Butylbenzene	41.3	2.0	"	50.0		82.5	85-117	9.51	20	QL-H
n-Propylbenzene	42.2	2.0	"	50.0		84.4	85-115	2.99	20	QL-H
p-Isopropyltoluene	74.4	2.0	"	50.0		149	85-115	6.07	20	QL-H
sec-Butylbenzene	75.0	2.0	"	50.0		150	85-115	5.35	20	QL-H
Styrene	54.5	2.0	"	50.0		109	85-115	1.60	20	
tert-Butylbenzene	74.0	2.0	"	50.0		148	85-115	1.42	20	QL-H
Tetrachloroethene	43.8	2.0	"	50.0		87.5	70-139	3.19	20	
Toluene	43.9	2.0	"	50.0		87.9	77-115	5.27	20	
trans-1,2-Dichloroethene	49.1	2.0	"	50.0		98.2	85-115	3.10	20	
trans-1,3-Dichloropropene	54.4	2.0	"	50.0		109	77-121	0.805	20	
Trichloroethene	44.6	2.0	"	50.0		89.1	79-123	6.05	20	
Trichlorofluoromethane	66.4	2.0	"	50.0		133	63-151	1.49	20	
Vinyl Chloride	57.7	2.0	"	50.0		115	85-116	0.522	20	
Xylenes (total)	124	6.0	"	150		82.3	79-115	1.21	20	
Surrogate: Dibromofluoromethane	*52.9*		*"*	*50.0*		*106*	*75-125*			
Surrogate: Toluene-d8	*54.4*		*"*	*50.0*		*109*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*41.0*		*"*	*50.0*		*82.0*	*75-125*			

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Notes and Definitions

QL-H	The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed samples.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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January 27, 2011

Mr. Michael Marello
Environmental Support Technologies
360 Goddard
Irvine, California 92618

RE: 2020 East Orangethorpe Avenue, Fullerton

Enclosed are the results of analyses for soil samples received by Environmental Support Technologies laboratory on 01/21/11 14:55. The analyses were performed according to the prescribed method as outlined by EPA 8260B. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Dien Nguyen

Dien Nguyen
Senior Chemist

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Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 1996, 2511, and 2767.

360 Goddard, Irvine, California 92618
Telephone: (949) 679-9500 Fax: (949) 679-9501

Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
CM-GW02-10	2A12102-01	Soil	21-Jan-11 0[illegible]15	21-Jan-11 16:33
CM-GW02-20	2A12102-02	Soil	21-Jan-[illegible]7:52	21-Jan-11 17:00
CM-GW02-30	2A12102-03	Soil	21-Jan-11 08:16	21-Jan-11 17:26
CM-GW02-40	2A12102-04	Soil	21-Jan-11 08:23	21-Jan-11 17:52
CM-GW02-50	2A12102-05	Soil	21-Jan-11 08:30	21-Jan-11 18:19
CM-GW02-60	2A12102-06	Soil	21-Jan-11 08:40	21-Jan-11 18:45
CM-GW02-70	2A12102-07	Soil	21-Jan-11 08:54	21-Jan-11 19:12
CM-GW03-10	2A12102-[illegible]	Soil	21-Jan-11 08:19	24-Jan-11 14:51
CM-GW03-20	2A12102-09	Soil	21-Jan-11 08:27	24-Jan-11 15:18
CM-GW03-30	2A12102-[illegible]	Soil	21-Jan-11 08:36	24-Jan-11 15:44
CM-GW03-40	2A12102-11	Soil	21-Jan-11 08:50	24-Jan-11 16:11
CM-GW03-50	2A12102-12	Soil	21-Jan-11 08:57	24-Jan-11 16:40
CM-GW03-60	2A12102-13	Soil	21-Jan-11 09:09	24-Jan-11 17:08
CM-GW03-70	2A12102-14	Soil	21-Jan-11 09:20	24-Jan-11 17:35
CM-GW03-80	2A12102-15	Soil	21-Jan-11 09:30	24-Jan-11 18:03

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-10 (2A12102-01) Soil Sampled: 01/21/11 07:45 Analyzed: 01/21/11 16:33									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	**2.1**	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-10 (2A12102-01) Soil Sampled: 01/21/11 07:45 Analyzed: 01/21/11 16:33									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	ND	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.7	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.3 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.4 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-20 (2A12102-02) Soil Sampled: 01/21/11 07:52 Analyzed: 01/21/11 17:00									
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
Bromobenzene	ND	2.0	"	"	"	"	"	"	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-20 (2A12102-02) Soil Sampled: 01/21/11 07:52 Analyzed: 01/21/11 17:00									
cis-1,3-Dichloropropene	ND	2.0	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.0	"	"	"	"	"	"	
Methylene Chloride	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
Vinyl Chloride	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Techuologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-30 (2A12102-03) Soil Sampled: 01/21/11 08:16 Analyzed: 01/21/11 17:26									
1,1,1,2-Tetrachloroethane	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.3	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
Benzene	ND	2.3	"	"	"	"	"	"	
Bromobenzene	ND	2.3	"	"	"	"	"	"	
Bromochloromethane	ND	2.3	"	"	"	"	"	"	
Bromodichloromethane	ND	2.3	"	"	"	"	"	"	
Bromoform	ND	2.3	"	"	"	"	"	"	
Bromomethane	ND	2.3	"	"	"	"	"	"	
Carbon disulfide	ND	2.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.3	"	"	"	"	"	"	
Chlorobenzene	ND	2.3	"	"	"	"	"	"	
Chloroethane	ND	2.3	"	"	"	"	"	"	
Chloroform	ND	2.3	"	"	"	"	"	"	
Chloromethane	ND	2.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	

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360 Goddard, Irvine, California 92618
Telephone: (949) 679-9500 Fax: (949) 679-9501

Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-30 (2A12102-03) Soil Sampled: 01/21/11 08:16 Analyzed: 01/21/11 17:26									
cis-1,3-Dichloropropene	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.3	"	"	"	"	"	"	
Dibromomethane	ND	2.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.3	"	"	"	"	"	"	
Ethylbenzene	ND	2.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.3	"	"	"	"	"	"	
Isopropylbenzene	ND	2.3	"	"	"	"	"	"	
Methylene Chloride	ND	2.3	"	"	"	"	"	"	
Naphthalene	ND	2.3	"	"	"	"	"	"	
n-Butylbenzene	ND	2.3	"	"	"	"	"	"	
n-Propylbenzene	ND	2.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Styrene	ND	2.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Tetrachloroethene	ND	2.3	"	"	"	"	"	"	
Toluene	ND	2.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
Trichloroethene	ND	2.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.3	"	"	"	"	"	"	
Vinyl Chloride	ND	2.3	"	"	"	"	"	"	
Xylenes (total)	ND	6.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-40 (2A12102-04) Soil Sampled: 01/21/11 08:23 Analyzed: 01/21/11 17:52									
1,1,1,2-Tetrachloroethane	ND	2.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.7	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.7	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.7	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.7	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.7	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.7	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.7	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.7	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.7	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.7	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.7	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.7	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.7	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.7	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.7	"	"	"	"	"	"	
Benzene	ND	2.7	"	"	"	"	"	"	
Bromobenzene	ND	2.7	"	"	"	"	"	"	
Bromochloromethane	ND	2.7	"	"	"	"	"	"	
Bromodichloromethane	ND	2.7	"	"	"	"	"	"	
Bromoform	ND	2.7	"	"	"	"	"	"	
Bromomethane	ND	2.7	"	"	"	"	"	"	
Carbon disulfide	ND	2.7	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.7	"	"	"	"	"	"	
Chlorobenzene	ND	2.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	2.7	"	"	"	"	"	"	
Chloromethane	ND	2.7	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.7	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-40 (2A12102-04) Soil Sampled: 01/21/11 08:23 Analyzed: 01/21/11 17:52									
cis-1,3-Dichloropropene	ND	2.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.7	"	"	"	"	"	"	
Dibromomethane	ND	2.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.7	"	"	"	"	"	"	
Ethylbenzene	ND	2.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.7	"	"	"	"	"	"	
Isopropylbenzene	ND	2.7	"	"	"	"	"	"	
Methylene Chloride	ND	2.7	"	"	"	"	"	"	
Naphthalene	ND	2.7	"	"	"	"	"	"	
n-Butylbenzene	ND	2.7	"	"	"	"	"	"	
n-Propylbenzene	ND	2.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.7	"	"	"	"	"	"	
Styrene	ND	2.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.7	"	"	"	"	"	"	
Tetrachloroethene	ND	2.7	"	"	"	"	"	"	
Toluene	ND	2.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.7	"	"	"	"	"	"	
Trichloroethene	ND	2.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.7	"	"	"	"	"	"	
Vinyl Chloride	ND	2.7	"	"	"	"	"	"	
Xylenes (total)	ND	8.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.0 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.0 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-50 (2A12102-05) Soil Sampled: 01/21/11 08:30 Analyzed: 01/21/11 18:19									
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
Benzene	ND	2.2	"	"	"	"	"	"	
Bromobenzene	ND	2.2	"	"	"	"	"	"	
Bromochloromethane	ND	2.2	"	"	"	"	"	"	
Bromodichloromethane	ND	2.2	"	"	"	"	"	"	
Bromoform	ND	2.2	"	"	"	"	"	"	
Bromomethane	ND	2.2	"	"	"	"	"	"	
Carbon disulfide	ND	2.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"	
Chlorobenzene	ND	2.2	"	"	"	"	"	"	
Chloroethane	ND	2.2	"	"	"	"	"	"	
Chloroform	ND	2.2	"	"	"	"	"	"	
Chloromethane	ND	2.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-50 (2A12102-05) Soil Sampled: 01/21/11 08:30 Analyzed: 01/21/11 18:19									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.8 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-60 (2A12102-06) Soil Sampled: 01/21/11 08:40 Analyzed: 01/21/11 18:45									
1,1,1,2-Tetrachloroethane	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	**2.0**	1.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.8	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
Benzene	ND	1.8	"	"	"	"	"	"	
Bromobenzene	ND	1.8	"	"	"	"	"	"	
Bromochloromethane	ND	1.8	"	"	"	"	"	"	
Bromodichloromethane	ND	1.8	"	"	"	"	"	"	
Bromoform	ND	1.8	"	"	"	"	"	"	
Bromomethane	ND	1.8	"	"	"	"	"	"	
Carbon disulfide	ND	1.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.8	"	"	"	"	"	"	
Chloroethane	ND	1.8	"	"	"	"	"	"	
Chloroform	ND	1.8	"	"	"	"	"	"	
Chloromethane	ND	1.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1.8**	1.8	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-60 (2A12102-06) Soil Sampled: 01/21/11 08:40 Analyzed: 01/21/11 18:45									
cis-1,3-Dichloropropene	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.8	"	"	"	"	"	"	
Dibromomethane	ND	1.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.8	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.8	"	"	"	"	"	"	
Isopropylbenzene	ND	1.8	"	"	"	"	"	"	
Methylene Chloride	ND	1.8	"	"	"	"	"	"	
Naphthalene	ND	1.8	"	"	"	"	"	"	
n-Butylbenzene	ND	1.8	"	"	"	"	"	"	
n-Propylbenzene	ND	1.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Styrene	ND	1.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Tetrachloroethene	**9.2**	1.8	"	"	"	"	"	"	
Toluene	ND	1.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Trichloroethene	ND	1.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.8	"	"	"	"	"	"	
Vinyl Chloride	ND	1.8	"	"	"	"	"	"	
Xylenes (total)	ND	5.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.1 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-70 (2A12102-07) Soil Sampled: 01/21/11 08:54 Analyzed: 01/21/11 19:12									
1,1,1,2-Tetrachloroethane	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	**1.8**	1.8	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethane	**4.9**	1.8	"	"	"	"	"	"	
1,1-Dichloroethene	**19**	1.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.8	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
Benzene	ND	1.8	"	"	"	"	"	"	
Bromobenzene	ND	1.8	"	"	"	"	"	"	
Bromochloromethane	ND	1.8	"	"	"	"	"	"	
Bromodichloromethane	ND	1.8	"	"	"	"	"	"	
Bromoform	ND	1.8	"	"	"	"	"	"	
Bromomethane	ND	1.8	"	"	"	"	"	"	
Carbon disulfide	ND	1.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.8	"	"	"	"	"	"	
Chloroethane	ND	1.8	"	"	"	"	"	"	
Chloroform	ND	1.8	"	"	"	"	"	"	
Chloromethane	ND	1.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**8.0**	1.8	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW02-70 (2A12102-07) Soil Sampled: 01/21/11 08:54 Analyzed: 01/21/11 19:12									
cis-1,3-Dichloropropene	ND	1.8	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.8	"	"	"	"	"	"	
Dibromomethane	ND	1.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.8	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.8	"	"	"	"	"	"	
Isopropylbenzene	ND	1.8	"	"	"	"	"	"	
Methylene Chloride	ND	1.8	"	"	"	"	"	"	
Naphthalene	ND	1.8	"	"	"	"	"	"	
n-Butylbenzene	ND	1.8	"	"	"	"	"	"	
n-Propylbenzene	ND	1.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Styrene	ND	1.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Tetrachloroethene	**33**	1.8	"	"	"	"	"	"	
Toluene	ND	1.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Trichloroethene	**6.9**	1.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.8	"	"	"	"	"	"	
Vinyl Chloride	ND	1.8	"	"	"	"	"	"	
Xylenes (total)	ND	5.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.3 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-10 (2A12102-08) Soil Sampled: 01/21/11 08:19 Analyzed: 01/24/11 14:51									
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
Benzene	ND	2.1	"	"	"	"	"	"	
Bromobenzene	ND	2.1	"	"	"	"	"	"	
Bromochloromethane	ND	2.1	"	"	"	"	"	"	
Bromodichloromethane	ND	2.1	"	"	"	"	"	"	
Bromoform	ND	2.1	"	"	"	"	"	"	
Bromomethane	ND	2.1	"	"	"	"	"	"	
Carbon disulfide	ND	2.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"	
Chlorobenzene	ND	2.1	"	"	"	"	"	"	
Chloroethane	ND	2.1	"	"	"	"	"	"	
Chloroform	ND	2.1	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-10 (2A12102-08) Soil Sampled: 01/21/11 08:19 Analyzed: 01/24/11 14:51									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	**2.1**	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.2	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.7 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.2 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-20 (2A12102-09) Soil Sampled: 01/21/11 08:27 Analyzed: 01/24/11 15:18									
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2501	01/2[illegible]	[illegible]/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
Benzene	ND	2.1	"	"	"	"	"	"	
Bromobenzene	ND	2.1	"	"	"	"	"	"	
Bromochloromethane	ND	2.1	"	"	"	"	"	"	
Bromodichloromethane	ND	2.1	"	"	"	"	"	"	
Bromoform	ND	2.1	"	"	"	"	"	"	
Bromomethane	ND	2.1	"	"	"	"	"	"	
Carbon disulfide	ND	2.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"	
Chlorobenzene	ND	2.1	"	"	"	"	"	"	
Chloroethane	ND	2.1	"	"	"	"	"	"	
Chloroform	ND	2.1	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-20 (2A12102-09) Soil Sampled: 01/21/11 08:27 Analyzed: 01/24/11 15:18									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2501	01/2[illegible]	[illegible]24/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	**2.6**	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.2	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.4 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.2 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-30 (2A12102-10) Soil Sampled: 01/21/11 08:36 Analyzed: 01/24/11 15:44									
1,1,1,2-Tetrachloroethane	ND	1.8	ug/kg	1	21A2501	01/2[illegible]	[illegible]24/11	EPA 8260B	
1,1,1-Trichloroethane	**4.5**	1.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.8	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.8	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.8	"	"	"	"	"	"	
Benzene	ND	1.8	"	"	"	"	"	"	
Bromobenzene	ND	1.8	"	"	"	"	"	"	
Bromochloromethane	ND	1.8	"	"	"	"	"	"	
Bromodichloromethane	ND	1.8	"	"	"	"	"	"	
Bromoform	ND	1.8	"	"	"	"	"	"	
Bromomethane	ND	1.8	"	"	"	"	"	"	
Carbon disulfide	ND	1.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.8	"	"	"	"	"	"	
Chlorobenzene	ND	1.8	"	"	"	"	"	"	
Chloroethane	ND	1.8	"	"	"	"	"	"	
Chloroform	ND	1.8	"	"	"	"	"	"	
Chloromethane	ND	1.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-30 (2A12102-10) Soil Sampled: 01/21/11 08:36 Analyzed: 01/24/11 15:44									
cis-1,3-Dichloropropene	ND	1.8	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	1.8	"	"	"	"	"	"	
Dibromomethane	ND	1.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.8	"	"	"	"	"	"	
Ethylbenzene	ND	1.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.8	"	"	"	"	"	"	
Isopropylbenzene	ND	1.8	"	"	"	"	"	"	
Methylene Chloride	ND	1.8	"	"	"	"	"	"	
Naphthalene	ND	1.8	"	"	"	"	"	"	
n-Butylbenzene	ND	1.8	"	"	"	"	"	"	
n-Propylbenzene	ND	1.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Styrene	ND	1.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.8	"	"	"	"	"	"	
Tetrachloroethene	**22**	1.8	"	"	"	"	"	"	
Toluene	ND	1.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.8	"	"	"	"	"	"	
Trichloroethene	**2.6**	1.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.8	"	"	"	"	"	"	
Vinyl Chloride	ND	1.8	"	"	"	"	"	"	
Xylenes (total)	ND	5.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.8 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.6 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-40 (2A12102-11) Soil Sampled: 01/21/11 08:50 Analyzed: 01/24/11 16:11									
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
Bromobenzene	ND	2.0	"	"	"	"	"	"	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-40 (2A12102-11) Soil Sampled: 01/21/11 08:50 Analyzed: 01/24/11 16:11									
cis-1,3-Dichloropropene	ND	2.0	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.0	"	"	"	"	"	"	
Methylene Chloride	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	**3.7**	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
Vinyl Chloride	ND	2.0	"	"	"	"	"	"	
Xylenes (total)	ND	6.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.8 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-50 (2A12102-12) Soil Sampled: 01/21/11 08:57 Analyzed: 01/24/11 16:40									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-50 (2A12102-12) Soil Sampled: 01/21/11 08:57 Analyzed: 01/24/11 16:40									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2501	01/2[illegible]1	[illegible]/24/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	**2.7**	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.7	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*76.0 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*99.2 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.5 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-60 (2A12102-13) Soil Sampled: 01/21/11 09:09 Analyzed: 01/24/11 17:08									
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
Benzene	ND	2.2	"	"	"	"	"	"	
Bromobenzene	ND	2.2	"	"	"	"	"	"	
Bromochloromethane	ND	2.2	"	"	"	"	"	"	
Bromodichloromethane	ND	2.2	"	"	"	"	"	"	
Bromoform	ND	2.2	"	"	"	"	"	"	
Bromomethane	ND	2.2	"	"	"	"	"	"	
Carbon disulfide	ND	2.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"	
Chlorobenzene	ND	2.2	"	"	"	"	"	"	
Chloroethane	ND	2.2	"	"	"	"	"	"	
Chloroform	ND	2.2	"	"	"	"	"	"	
Chloromethane	ND	2.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-60 (2A12102-13) Soil Sampled: 01/21/11 09:09 Analyzed: 01/24/11 17:08									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.8 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.7 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-70 (2A12102-14) Soil Sampled: 01/21/11 09:20 Analyzed: 01/24/11 17:35									
1,1,1,2-Tetrachloroethane	ND	2.3	ug/kg	1	21A2501	01/2[illegible]	[illegible]/24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.3	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
Benzene	ND	2.3	"	"	"	"	"	"	
Bromobenzene	ND	2.3	"	"	"	"	"	"	
Bromochloromethane	ND	2.3	"	"	"	"	"	"	
Bromodichloromethane	ND	2.3	"	"	"	"	"	"	
Bromoform	ND	2.3	"	"	"	"	"	"	
Bromomethane	ND	2.3	"	"	"	"	"	"	
Carbon disulfide	ND	2.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.3	"	"	"	"	"	"	
Chlorobenzene	ND	2.3	"	"	"	"	"	"	
Chloroethane	ND	2.3	"	"	"	"	"	"	
Chloroform	ND	2.3	"	"	"	"	"	"	
Chloromethane	ND	2.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-70 (2A12102-14) Soil Sampled: 01/21/11 09:20 Analyzed: 01/24/11 17:35									
cis-1,3-Dichloropropene	ND	2.3	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	2.3	"	"	"	"	"	"	
Dibromomethane	ND	2.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.3	"	"	"	"	"	"	
Ethylbenzene	ND	2.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.3	"	"	"	"	"	"	
Isopropylbenzene	ND	2.3	"	"	"	"	"	"	
Methylene Chloride	ND	2.3	"	"	"	"	"	"	
Naphthalene	ND	2.3	"	"	"	"	"	"	
n-Butylbenzene	ND	2.3	"	"	"	"	"	"	
n-Propylbenzene	ND	2.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Styrene	ND	2.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Tetrachloroethene	**5.3**	2.3	"	"	"	"	"	"	
Toluene	ND	2.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
Trichloroethene	ND	2.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.3	"	"	"	"	"	"	
Vinyl Chloride	ND	2.3	"	"	"	"	"	"	
Xylenes (total)	ND	6.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.0 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-80 (2A12102-15) Soil Sampled: 01/21/11 09:30 Analyzed: 01/24/11 18:03									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2501	01/2[illegible]	[illegible]24/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	**1.9**	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW03-80 (2A12102-15) Soil Sampled: 01/21/11 09:30 Analyzed: 01/24/11 18:03									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2501	01/24/11	01/24/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	**7.6**	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*75-125*		"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
Blank (21A2101-BLK1)				Prepared & Analyzed: 01/21/11						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
1,1,2-Trichloro-trifluoroethane	ND	2.0	"							
1,1-Dichloroethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
1,1-Dichloropropene	ND	2.0	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	2.0	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	2.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichlorobenzene	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
1,3,5-Trimethylbenzene	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,3-Dichloropropane	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
2,2-Dichloropropane	ND	2.0	"							
2-Chlorotoluene	ND	2.0	"							
4-Chlorotoluene	ND	2.0	"							
Benzene	ND	2.0	"							
Bromobenzene	ND	2.0	"							
Bromochloromethane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	2.0	"							
Bromomethane	ND	2.0	"							
Carbon disulfide	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Chlorobenzene	ND	2.0	"							

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
Blank (21A2101-BLK1)				Prepared & Analyzed: 01/21/11						
Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorodifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	*43.2*		"	*50.0*		*86.4*	*75-125*			
Surrogate: Toluene-d8	*50.4*		"	*50.0*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*43.9*		"	*50.0*		*87.8*	*75-125*			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS (21A2101-BS1)				Prepared & Analyzed: 01/21/11						
1,1,1,2-Tetrachloroethane	50.1	2.0	ug/kg	50.0		100	[illegible]-129			
1,1,1-Trichloroethane	48.2	2.0	"	50.0		96.5	81-124			
1,1,2,2-Tetrachloroethane	55.9	2.0	"	50.0		11[illegible]	61-125			
1,1,2-Trichloroethane	43.2	2.0	"	50.0		86.4	77-118			
1,1,2-Trichloro-trifluoroethane	38.3	2.0	"	50.0		76.5	85-115			QL-H1
1,1-Dichloroethane	47.6	2.0	"	50.0		95.3	83-117			
1,1-Dichloroethene	44.9	2.0	"	50.0		89.7	85-116			
1,1-Dichloropropene	41.1	2.0	"	50.0		82.2	80-116			
1,2,3-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-118			
1,2,3-Trichloropropane	44.9	2.0	"	50.0		89.8	64-122			
1,2,4-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-115			
1,2,4-Trimethylbenzene	65.9	2.0	"	50.0		132	85-115			QL-H
1,2-Dibromo-3-chloropropane	40.8	2.0	"	50.0		81.6	36-148			
1,2-Dibromoethane	66.9	2.0	"	50.0		134	85-115			QL-H
1,2-Dichlorobenzene	[illegible]	2.0	"	50.0		129	85-115			QL-H
1,2-Dichloroethane	40.7	2.0	"	50.0		81.4	82-118			QL-H
1,2-Dichloropropane	[illegible].5	2.0	"	50.0		99.0	85-115			
1,3,5-Trimethylbenzene	70.[illegible]	2.0	"	50.0		140	85-115			QL-H
1,3-Dichlorobenzene	69.[illegible]	2.0	"	50.0		139	85-115			QL-H
1,3-Dichloropropane	46.5	2.0	"	50.0		93.0	83-116			
1,4-Dichlorobenzene	64.1	2.0	"	50.0		128	85-115			QL-H
2,2-Dichloropropane	41.6	2.0	"	50.0		83.2	71-144			
2-Chlorotoluene	48.0	2.0	"	50.0		96.0	85-115			
4-Chlorotoluene	72.3	2.0	"	50.0		145	85-115			QL-H
Benzene	44.6	2.0	"	50.0		89.2	85-115			
Bromobenzene	58.1	2.0	"	50.0		116	85-115			QL-H
Bromochloromethane	53.6	2.0	"	50.0		107	81-117			
Bromodichloromethane	50.1	2.0	"	50.0		100	80-121			
Bromoform	50.7	2.0	"	50.0		101	53-145			
Bromomethane	42.9	2.0	"	50.0		85.8	75-123			
Carbon disulfide	43.7	2.0	"	50.0		87.4	78-125			
Carbon tetrachloride	49.4	2.0	"	50.0		98.8	83-125			
Chlorobenzene	46.0	2.0	"	50.0		91.9	85-115			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS (21A2101-BS1)				Prepared & Analyzed: 01/21/11						
Chloroethane	54.9	2.0	ug/kg	50.0		110	145			
Chloroform	47.3	2.0	"	50.0		94.6	82-120			
Chloromethane	56.7	2.0	"	50.0		113	71-128			
cis-1,2-Dichloroethene	47.8	2.0	"	50.0		95.5	81-122			
cis-1,3-Dichloropropene	53.6	2.0	"	50.0		107	85-116			
Dibromochloromethane	50.0	2.0	"	50.0		100	76-116			
Dibromomethane	43.3	2.0	"	50.0		86.6	83-117			
Dichlorodifluoromethane	43.2	2.0	"	50.0		86.5	75-118			
Ethylbenzene	44.5	2.0	"	50.0		89.0	83-115			
Hexachlorobutadiene	76.5	2.0	"	50.0		153	84-131			QL-H
Isopropylbenzene	49.0	2.0	"	50.0		98.0	85-115			
Methylene Chloride	52.1	2.0	"	50.0		104	85-119			
Naphthalene	58.4	2.0	"	50.0		117	58-121			
n-Butylbenzene	35.2	2.0	"	50.0		70.3	85-117			QL-H
n-Propylbenzene	41.9	2.0	"	50.0		83.8	85-115			QL-H
p-Isopropyltoluene	63.9	2.0	"	50.0		128	85-115			QL-H
sec-Butylbenzene	69.3	2.0	"	50.0		139	85-115			QL-H
Styrene	54.0	2.0	"	50.0		109	85-115			
tert-Butylbenzene	68.7	2.0	"	50.0		138	85-115			QL-H
Tetrachloroethene	47.0	2.0	"	50.0		94.0	70-139			
Toluene	46.3	2.0	"	50.0		92.7	77-115			
trans-1,2-Dichloroethene	48.7	2.0	"	50.0		97.4	85-115			
trans-1,3-Dichloropropene	51.6	2.0	"	50.0		103	77-121			
Trichloroethene	47.2	2.0	"	50.0		94.4	79-123			
Trichlorofluoromethane	57.7	2.0	"	50.0		115	63-151			
Vinyl Chloride	50.6	2.0	"	50.0		101	85-116			
Xylenes (total)	124	6.0	"	150		82.9	79-115			
Surrogate: Dibromofluoromethane	*47.2*		"	*50.0*		*94.4*	*75-125*			
Surrogate: Toluene-d8	*55.8*		"	*50.0*		*112*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*40.3*		"	*50.0*		*80.6*	*75-125*			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS Dup (21A2101-BSD1)				Prepared & Analyzed: 1/21/11						
1,1,1,2-Tetrachloroethane	52.1	2.0	ug/kg	50.0		104	129	3.88	20	
1,1,1-Trichloroethane	47.1	2.0	"	50.0		94.2	81-124	2.43	20	
1,1,2,2-Tetrachloroethane	63.0	2.0	"	50.0		126	61-125	12.0	20	QL-H
1,1,2-Trichloroethane	51.1	2.0	"	50.0		102	77-118	16.8	20	
1,1,2-Trichloro-trifluoroethane	49.6	2.0	"	50.0		99.2	85-115	25.8	20	QR-04
1,1-Dichloroethane	47.6	2.0	"	50.0		95.2	83-117	0.0420	20	
1,1-Dichloroethene	46.9	2.0	"	50.0		93.9	85-116	4.53	20	
1,1-Dichloropropene	43.8	2.0	"	50.0		87.5	80-116	6.22	20	
1,2,3-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-118	3.09	20	
1,2,3-Trichloropropane	50.8	2.0	"	50.0		102	64-122	12.4	20	
1,2,4-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-115	3.09	20	
1,2,4-Trimethylbenzene	68.4	2.0	"	50.0		137	85-115	3.81	20	QL-H
1,2-Dibromo-3-chloropropane	50.6	2.0	"	50.0		101	36-148	21.6	20	QL-H
1,2-Dibromoethane	73.2	2.0	"	50.0		146	85-115	9.08	20	QL-H
1,2-Dichlorobenzene	65.5	2.0	"	50.0		131	85-115	1.17	20	QL-H
1,2-Dichloroethane	42.8	2.0	"	50.0		85.6	82-118	4.98	20	
1,2-Dichloropropane	49.7	2.0	"	50.0		99.4	85-115	0.363	20	
1,3,5-Trimethylbenzene	72.9	2.0	"	50.0		146	85-115	3.81	20	QL-H
1,3-Dichlorobenzene	68.2	2.0	"	50.0		136	85-115	1.69	20	QL-H
1,3-Dichloropropane	51.4	2.0	"	50.0		103	83-116	10.1	20	
1,4-Dichlorobenzene	65.2	2.0	"	50.0		130	85-115	1.64	20	QL-H
2,2-Dichloropropane	45.8	2.0	"	50.0		91.7	71-144	9.65	20	
2-Chlorotoluene	48.4	2.0	"	50.0		96.7	85-115	0.706	20	
4-Chlorotoluene	71.4	2.0	"	50.0		143	85-115	1.28	20	QL-H
Benzene	42.7	2.0	"	50.0		85.4	85-115	4.35	20	
Bromobenzene	57.8	2.0	"	50.0		116	85-115	0.518	20	QL-H
Bromochloromethane	55.3	2.0	"	50.0		111	81-117	3.12	20	
Bromodichloromethane	48.4	2.0	"	50.0		96.7	80-121	3.61	20	
Bromoform	58.5	2.0	"	50.0		117	53-145	14.2	20	
Bromomethane	43.8	2.0	"	50.0		87.5	75-123	2.03	20	
Carbon disulfide	44.9	2.0	"	50.0		89.8	78-125	2.71	20	
Carbon tetrachloride	53.4	2.0	"	50.0		107	83-125	7.90	20	
Chlorobenzene	46.1	2.0	"	50.0		92.3	85-115	0.391	20	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS Dup (21A2101-BSD1)				Prepared & Analyzed: 1/21/11						
Chloroethane	52.7	2.0	ug/kg	50.0		105	43-145	4.09	20	
Chloroform	47.7	2.0	"	50.0		95.3	82-120	0.758	20	
Chloromethane	48.7	2.0	"	50.0		97.[illegible]	71-128	15.3	20	
cis-1,2-Dichloroethene	49.9	2.0	"	50.0		99.8	81-122	4.42	20	
cis-1,3-Dichloropropene	52.5	2.0	"	50.0		105	85-116	2.04	20	
Dibromochloromethane	55.8	2.0	"	50.0		112	76-116	10.9	20	
Dibromomethane	49.6	2.0	"	50.0		99.1	83-117	13.4	20	
Dichlorodifluoromethane	41.3	2.0	"	50.0		82.6	75-118	4.54	20	
Ethylbenzene	44.9	2.0	"	50.0		89.7	83-115	0.806	20	
Hexachlorobutadiene	78.5	2.0	"	50.0		157	84-131	2.56	20	QL-H
Isopropylbenzene	48.7	2.0	"	50.0		97.5	85-115	0.573	20	
Methylene Chloride	50.4	2.0	"	50.0		101	85-119	3.32	20	
Naphthalene	66.5	2.0	"	50.0		133	58-121	12.9	20	QL-H
n-Butylbenzene	36.6	[illegible]	[illegible]	50.0		73.1	85-117	3.90	20	QL-H
n-Propylbenzene	[illegible]	2.0	"	50.0		85.2	85-115	1.70	20	
p-Isopropyltoluene	66.5	2.0	"	50.0		133	85-115	3.90	20	QL-H
sec-Butylbenzene	[illegible]	2.0	"	50.0		142	85-115	2.14	20	QL-H
Styrene	54.[illegible]	2.0	"	50.0		109	85-115	0.293	20	
tert-Butylbenzene	[illegible]	2.0	"	50.0		145	85-115	4.98	20	QL-H
Tetrachloroethene	50.2	2.0	"	50.0		100	70-139	6.55	20	
Toluene	46.5	2.0	"	50.0		92.9	77-115	0.259	20	
trans-1,2-Dichloroethene	48.8	2.0	"	50.0		97.7	85-115	0.328	20	
trans-1,3-Dichloropropene	53.8	2.0	"	50.0		108	77-121	4.17	20	
Trichloroethene	46.0	2.0	"	50.0		92.0	79-123	2.58	20	
Trichlorofluoromethane	59.1	2.0	"	50.0		118	63-151	2.43	20	
Vinyl Chloride	47.8	2.0	"	50.0		95.7	85-116	5.57	20	
Xylenes (total)	124	6.0	"	150		82.7	79-115	0.209	20	
Surrogate: Dibromofluoromethane	*48.1*		"	*50.0*		*96.2*	*75-125*			
Surrogate: Toluene-d8	*55.4*		"	*50.0*		*111*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*40.8*		"	*50.0*		*81.6*	*75-125*			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2501 - Volatiles										
Blank (21A2501-BLK1)				Prepared & Analyzed: 1/24/11						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
1,1,2-Trichloro-trifluoroethane	ND	2.0	"							
1,1-Dichloroethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
1,1-Dichloropropene	ND	2.0	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	2.0	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	2.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichlorobenzene	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
1,3,5-Trimethylbenzene	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,3-Dichloropropane	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
2,2-Dichloropropane	ND	2.0	"							
2-Chlorotoluene	ND	2.0	"							
4-Chlorotoluene	ND	2.0	"							
Benzene	ND	2.0	"							
Bromobenzene	ND	2.0	"							
Bromochloromethane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	2.0	"							
Bromomethane	ND	2.0	"							
Carbon disulfide	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Chlorobenzene	ND	2.0	"							

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2501 - Volatiles										
Blank (21A2501-BLK1)				Prepared & Analyzed: 01/24/11						
Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorodifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	*43.8*		*"*	*50.0*		*87.7*	*75-125*			
Surrogate: Toluene-d8	*52.8*		*"*	*50.0*		*106*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*46.4*		*"*	*50.0*		*92.7*	*75-125*			

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360 Goddard, Irvine, California 92618
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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2501 - Volatiles										
LCS (21A2501-BS1)				Prepared & Analyzed: 1/24/11						
1,1,1,2-Tetrachloroethane	51.0	2.0	ug/kg	50.0		102	[illegible]-129			
1,1,1-Trichloroethane	47.1	2.0	"	50.0		[illegible]4.1	81-124			
1,1,2,2-Tetrachloroethane	62.7	2.0	"	50.0		12[illegible]	61-125			
1,1,2-Trichloroethane	48.8	2.0	"	50.0		97.7	77-118			
1,1,2-Trichloro-trifluoroethane	49.8	2.0	"	50.0		99.6	85-115			
1,1-Dichloroethane	45.5	2.0	"	50.0		91.0	83-117			
1,1-Dichloroethene	46.7	2.0	"	50.0		93.4	85-116			
1,1-Dichloropropene	45.8	2.0	"	50.0		91.7	80-116			
1,2,3-Trichlorobenzene	48.2	2.0	"	50.0		96.4	85-118			
1,2,3-Trichloropropane	58.2	2.0	"	50.0		116	64-122			
1,2,4-Trichlorobenzene	48.2	2.0	"	50.0		96.4	85-115			
1,2,4-Trimethylbenzene	67.6	2.0	"	50.0		135	85-115			QL-H
1,2-Dibromo-3-chloropropane	66.0	2.0	"	50.0		132	36-148			
1,2-Dibromoethane	85.7	[illegible]	[illegible]	50.0		171	85-115			QL-H
1,2-Dichlorobenzene	[illegible]	2.0	"	50.0		131	85-115			QL-H
1,2-Dichloroethane	46.6	2.0	"	50.0		93.3	82-118			
1,2-Dichloropropane	[illegible]5.5	2.0	"	50.0		107	85-115			
1,3,5-Trimethylbenzene	70.[illegible]	2.0	"	50.0		141	85-115			QL-H
1,3-Dichlorobenzene	67.[illegible]	2.0	"	50.0		136	85-115			QL-H
1,3-Dichloropropane	51.6	2.0	"	50.0		103	83-116			
1,4-Dichlorobenzene	64.5	2.0	"	50.0		129	85-115			QL-H
2,2-Dichloropropane	42.3	2.0	"	50.0		84.5	71-144			
2-Chlorotoluene	47.0	2.0	"	50.0		94.0	85-115			
4-Chlorotoluene	70.1	2.0	"	50.0		140	85-115			QL-H
Benzene	45.4	2.0	"	50.0		90.9	85-115			
Bromobenzene	56.0	2.0	"	50.0		112	85-115			
Bromochloromethane	53.1	2.0	"	50.0		106	81-117			
Bromodichloromethane	51.4	2.0	"	50.0		103	80-121			
Bromoform	61.0	2.0	"	50.0		122	53-145			
Bromomethane	36.6	2.0	"	50.0		73.1	75-123			QL-H1
Carbon disulfide	45.8	2.0	"	50.0		91.5	78-125			
Carbon tetrachloride	51.8	2.0	"	50.0		104	83-125			
Chlorobenzene	45.8	2.0	"	50.0		91.6	85-115			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2501 - Volatiles										
LCS (21A2501-BS1)				Prepared & Analyzed: 01/24/11						
Chloroethane	57.0	2.0	ug/kg	50.0		114	143			
Chloroform	48.0	2.0	"	50.0		96.0	82-120			
Chloromethane	65.4	2.0	"	50.0		130	71-128			QL-H
cis-1,2-Dichloroethene	48.2	2.0	"	50.0		96.4	81-122			
cis-1,3-Dichloropropene	59.0	2.0	"	50.0		118	85-116			QL-H
Dibromochloromethane	54.1	2.0	"	50.0		108	76-116			
Dibromomethane	51.5	2.0	"	50.0		103	83-117			
Dichlorodifluoromethane	46.4	2.0	"	50.0		92.8	75-118			
Ethylbenzene	45.4	2.0	"	50.0		90.9	83-115			
Hexachlorobutadiene	78.1	2.0	"	50.0		156	84-131			QL-H
Isopropylbenzene	51.1	2.0	"	50.0		102	85-115			
Methylene Chloride	54.8	2.0	"	50.0		110	85-119			
Naphthalene	68.5	2.0	"	50.0		137	58-121			QL-H
n-Butylbenzene	37.1	2.0	"	50.0		74.3	85-117			QL-H1
n-Propylbenzene	42.9	2.0	"	50.0		85.7	85-115			
p-Isopropyltoluene	67.8	2.0	"	50.0		136	85-115			QL-H
sec-Butylbenzene	71.6	2.0	"	50.0		143	85-115			QL-H
Styrene	55.5	2.0	"	50.0		111	85-115			
tert-Butylbenzene	70.0	2.0	"	50.0		140	85-115			QL-H
Tetrachloroethene	49.3	2.0	"	50.0		98.6	70-139			
Toluene	45.6	2.0	"	50.0		91.2	77-115			
trans-1,2-Dichloroethene	47.8	2.0	"	50.0		95.6	85-115			
trans-1,3-Dichloropropene	55.2	2.0	"	50.0		110	77-121			
Trichloroethene	49.8	2.0	"	50.0		99.6	79-123			
Trichlorofluoromethane	20.3	2.0	"	50.0		40.7	63-151			QL-H1
Vinyl Chloride	52.2	2.0	"	50.0		104	85-116			
Xylenes (total)	126	6.0	"	150		83.9	79-115			
Surrogate: Dibromofluoromethane	*46.0*		"	*50.0*		*92.0*	*75-125*			
Surrogate: Toluene-d8	*53.3*		"	*50.0*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*42.0*		"	*50.0*		*84.1*	*75-125*			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2501 - Volatiles										
LCS Dup (21A2501-BSD1)				Prepared & Analyzed: 1/24/11						
1,1,1,2-Tetrachloroethane	51.3	2.0	ug/kg	50.0		103	[illegible]-129	0.587	20	
1,1,1-Trichloroethane	46.0	2.0	"	50.0		[illegible]2.1	81-124	2.19	20	
1,1,2,2-Tetrachloroethane	62.0	2.0	"	50.0		12[illegible]	61-125	1.06	20	
1,1,2-Trichloroethane	44.5	2.0	"	50.0		89.0	77-118	9.30	20	
1,1,2-Trichloro-trifluoroethane	49.3	2.0	"	50.0		98.6	85-115	0.969	20	
1,1-Dichloroethane	47.6	2.0	"	50.0		95.2	83-117	4.56	20	
1,1-Dichloroethene	48.1	2.0	"	50.0		96.2	85-116	3.00	20	
1,1-Dichloropropene	48.6	2.0	"	50.0		97.1	80-116	5.76	20	
1,2,3-Trichlorobenzene	47.6	2.0	"	50.0		95.2	85-118	1.34	20	
1,2,3-Trichloropropane	52.1	2.0	"	50.0		104	64-122	11.1	20	
1,2,4-Trichlorobenzene	47.6	2.0	"	50.0		95.2	85-115	1.34	20	
1,2,4-Trimethylbenzene	78.0	2.0	"	50.0		156	85-115	14.3	20	QL-H
1,2-Dibromo-3-chloropropane	66.8	2.0	"	50.0		134	36-148	1.14	20	
1,2-Dibromoethane	80.0	2.0	"	50.0		160	85-115	6.85	20	QL-H
1,2-Dichlorobenzene	[illegible]	2.0	"	50.0		128	85-115	2.07	20	QL-H
1,2-Dichloroethane	39.8	2.0	"	50.0		79.6	82-118	15.8	20	QL-H1
1,2-Dichloropropane	[illegible]1.9	2.0	"	50.0		89.8	85-115	17.4	20	
1,3,5-Trimethylbenzene	83.[illegible]	2.0	"	50.0		167	85-115	16.8	20	QL-H
1,3-Dichlorobenzene	[illegible]	2.0	"	50.0		139	85-115	2.36	20	QL-H
1,3-Dichloropropane	46.2	2.0	"	50.0		92.4	83-116	11.1	20	
1,4-Dichlorobenzene	[illegible]6.3	2.0	"	50.0		133	85-115	2.75	20	QL-H
2,2-Dichloropropane	48.7	2.0	"	50.0		97.3	71-144	14.1	20	
2-Chlorotoluene	53.3	2.0	"	50.0		107	85-115	12.6	20	
4-Chlorotoluene	76.1	2.0	"	50.0		152	85-115	8.29	20	QL-H
Benzene	43.2	2.0	"	50.0		86.4	85-115	5.10	20	
Bromobenzene	57.5	2.0	"	50.0		115	85-115	2.78	20	
Bromochloromethane	47.4	2.0	"	50.0		94.8	81-117	11.3	20	
Bromodichloromethane	47.2	2.0	"	50.0		94.4	80-121	8.60	20	
Bromoform	54.8	2.0	"	50.0		110	53-145	10.8	20	
Bromomethane	37.7	2.0	"	50.0		75.4	75-123	3.07	20	
Carbon disulfide	49.1	2.0	"	50.0		98.2	78-125	7.08	20	
Carbon tetrachloride	61.6	2.0	"	50.0		123	83-125	17.3	20	
Chlorobenzene	46.7	2.0	"	50.0		93.4	85-115	1.95	20	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 2020 East Orangethorpe Avenue, Fullerton Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:43

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2501 - Volatiles										
LCS Dup (21A2501-BSD1)				Prepared & Analyzed: 1/24/11						
Chloroethane	53.1	2.0	ug/kg	50.0		106	65-145	7.01	20	
Chloroform	45.8	2.0	"	50.0		91.5	82-120	4.74	20	
Chloromethane	51.5	2.0	"	50.0		103	71-128	23.7	20	QR-04
cis-1,2-Dichloroethene	44.5	2.0	"	50.0		89.1	81-122	7.85	20	
cis-1,3-Dichloropropene	48.1	2.0	"	50.0		96.1	85-116	20.5	20	QR-04
Dibromochloromethane	53.6	2.0	"	50.0		107	76-116	0.817	20	
Dibromomethane	45.9	2.0	"	50.0		91.9	83-117	11.5	20	
Dichlorodifluoromethane	43.5	2.0	"	50.0		87.0	75-118	6.45	20	
Ethylbenzene	48.2	2.0	"	50.0		96.3	83-115	5.81	20	
Hexachlorobutadiene	94.3	2.0	"	50.0		189	84-131	18.9	20	QL-H
Isopropylbenzene	53.4	2.0	"	50.0		107	85-115	4.40	20	
Methylene Chloride	45.9	2.0	"	50.0		91.9	85-119	17.5	20	
Naphthalene	70.2	2.0	"	50.0		140	58-121	2.45	20	QL-H
n-Butylbenzene	45.2	2.0	"	50.0		90.4	85-117	19.6	20	
n-Propylbenzene	50.0	2.0	"	50.0		100	85-115	15.8	20	
p-Isopropyltoluene	80.6	2.0	"	50.0		161	85-115	17.2	20	QL-H
sec-Butylbenzene	87.5	2.0	"	50.0		175	85-115	20.0	20	QL-H
Styrene	52.9	2.0	"	50.0		106	85-115	4.95	20	
tert-Butylbenzene	84.0	2.0	"	50.0		168	85-115	18.2	20	QL-H
Tetrachloroethene	52.4	2.0	"	50.0		105	70-139	6.13	20	
Toluene	50.2	2.0	"	50.0		100	77-115	9.68	20	
trans-1,2-Dichloroethene	49.6	2.0	"	50.0		99.1	85-115	3.57	20	
trans-1,3-Dichloropropene	52.2	2.0	"	50.0		104	77-121	5.58	20	
Trichloroethene	46.1	2.0	"	50.0		92.1	79-123	7.84	20	
Trichlorofluoromethane	64.4	2.0	"	50.0		129	63-151	104	20	QR-04
Vinyl Chloride	51.4	2.0	"	50.0		103	85-116	1.47	20	
Xylenes (total)	129	6.0	"	150		86.3	79-115	2.82	20	
Surrogate: Dibromofluoromethane	*42.5*		"	*50.0*		*85.0*	*75-125*			
Surrogate: Toluene-d8	*59.3*		"	*50.0*		*119*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*39.8*		"	*50.0*		*79.6*	*75-125*			

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Notes and Definitions

QR-04	The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
QL-H1	The spike recovery was out high for the LCS and/or the LCSD; however the analyte in CCV is within QC acceptance limits.
QL-H	The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed samples.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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January 27, 2011

Mr. Michael Marello
Environmental Support Technologies
360 Goddard
Irvine, California 92618

RE: 1850 E. Orangethorpe Ave, Fullerton CA.

Enclosed are the results of analyses for soil samples received by Environmental Support Technologies laboratory on 01/21/11 08:04. The analyses were performed according to the prescribed method as outlined by EPA 8260B. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

Dien Nguyen

Dien Nguyen
Senior Chemist

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Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 1996, 2511, and 2767.

360 Goddard, Irvine, California 92618
Telephone: (949) 679-9500 Fax: (949) 679-9501

Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Analyzed
CM-GW04-10	2A12101-01	Soil	20-Jan-11 08:[illegible]	21-Jan-11 16:07
CM-GW04-20	2A12101-02	Soil	20-Jan-11 08:27	21-Jan-11 12:50
CM-GW04-30	2A12101-03	Soil	20-Jan-11 08:37	21-Jan-11 13:16
CM-GW04-40	2A12101-04	Soil	20-Jan-11 08:47	21-Jan-11 13:43
CM-GW04-50	2A12101-05	Soil	20-Jan-11 09:04	21-Jan-11 14:11
CM-GW04-60	2A12101-06	Soil	20-Jan-11 09:13	21-Jan-11 14:47
CM-GW04-70	2A12101-07	Soil	20-Jan-11 09:23	21-Jan-11 15:14
CM-GW04-80	2A12101-[illegible]	Soil	20-Jan-11 09:45	21-Jan-11 15:40

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-10 (2A12101-01) Soil Sampled: 01/20/11 08:15 Analyzed: 01/21/11 16:07									
1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Bromobenzene	ND	2.5	"	"	"	"	"	"	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
Carbon disulfide	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-10 (2A12101-01) Soil Sampled: 01/20/11 08:15 Analyzed: 01/21/11 16:07									
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
Methylene Chloride	ND	2.5	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
Vinyl Chloride	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	7.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86.2 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-20 (2A12101-02) Soil Sampled: 01/20/11 08:27 Analyzed: 01/21/11 12:50									
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
Benzene	ND	2.2	"	"	"	"	"	"	
Bromobenzene	ND	2.2	"	"	"	"	"	"	
Bromochloromethane	ND	2.2	"	"	"	"	"	"	
Bromodichloromethane	ND	2.2	"	"	"	"	"	"	
Bromoform	ND	2.2	"	"	"	"	"	"	
Bromomethane	ND	2.2	"	"	"	"	"	"	
Carbon disulfide	ND	2.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"	
Chlorobenzene	ND	2.2	"	"	"	"	"	"	
Chloroethane	ND	2.2	"	"	"	"	"	"	
Chloroform	ND	2.2	"	"	"	"	"	"	
Chloromethane	ND	2.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-20 (2A12101-02) Soil Sampled: 01/20/11 08:27 Analyzed: 01/21/11 12:50									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*85.3 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.1 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-30 (2A12101-03) Soil Sampled: 01/20/11 08:37 Analyzed: 01/21/11 13:16									
1,1,1,2-Tetrachloroethane	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.9	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.9	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.9	"	"	"	"	"	"	
Benzene	ND	1.9	"	"	"	"	"	"	
Bromobenzene	ND	1.9	"	"	"	"	"	"	
Bromochloromethane	ND	1.9	"	"	"	"	"	"	
Bromodichloromethane	ND	1.9	"	"	"	"	"	"	
Bromoform	ND	1.9	"	"	"	"	"	"	
Bromomethane	ND	1.9	"	"	"	"	"	"	
Carbon disulfide	ND	1.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.9	"	"	"	"	"	"	
Chlorobenzene	ND	1.9	"	"	"	"	"	"	
Chloroethane	ND	1.9	"	"	"	"	"	"	
Chloroform	ND	1.9	"	"	"	"	"	"	
Chloromethane	ND	1.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-30 (2A12101-03) Soil Sampled: 01/20/11 08:37 Analyzed: 01/21/11 13:16									
cis-1,3-Dichloropropene	ND	1.9	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.9	"	"	"	"	"	"	
Dibromomethane	ND	1.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.9	"	"	"	"	"	"	
Ethylbenzene	ND	1.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.9	"	"	"	"	"	"	
Isopropylbenzene	ND	1.9	"	"	"	"	"	"	
Methylene Chloride	ND	1.9	"	"	"	"	"	"	
Naphthalene	ND	1.9	"	"	"	"	"	"	
n-Butylbenzene	ND	1.9	"	"	"	"	"	"	
n-Propylbenzene	ND	1.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Styrene	ND	1.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.9	"	"	"	"	"	"	
Tetrachloroethene	ND	1.9	"	"	"	"	"	"	
Toluene	ND	1.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.9	"	"	"	"	"	"	
Trichloroethene	ND	1.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.9	"	"	"	"	"	"	
Vinyl Chloride	ND	1.9	"	"	"	"	"	"	
Xylenes (total)	ND	5.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.9 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-40 (2A12101-04) Soil Sampled: 01/20/11 08:47 Analyzed: 01/21/11 13:43									
1,1,1,2-Tetrachloroethane	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.2	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.2	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.2	"	"	"	"	"	"	
Benzene	ND	2.2	"	"	"	"	"	"	
Bromobenzene	ND	2.2	"	"	"	"	"	"	
Bromochloromethane	ND	2.2	"	"	"	"	"	"	
Bromodichloromethane	ND	2.2	"	"	"	"	"	"	
Bromoform	ND	2.2	"	"	"	"	"	"	
Bromomethane	ND	2.2	"	"	"	"	"	"	
Carbon disulfide	ND	2.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.2	"	"	"	"	"	"	
Chlorobenzene	ND	2.2	"	"	"	"	"	"	
Chloroethane	ND	2.2	"	"	"	"	"	"	
Chloroform	ND	2.2	"	"	"	"	"	"	
Chloromethane	ND	2.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-40 (2A12101-04) Soil Sampled: 01/20/11 08:47 Analyzed: 01/21/11 13:43									
cis-1,3-Dichloropropene	ND	2.2	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.2	"	"	"	"	"	"	
Dibromomethane	ND	2.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.2	"	"	"	"	"	"	
Ethylbenzene	ND	2.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.2	"	"	"	"	"	"	
Isopropylbenzene	ND	2.2	"	"	"	"	"	"	
Methylene Chloride	ND	2.2	"	"	"	"	"	"	
Naphthalene	ND	2.2	"	"	"	"	"	"	
n-Butylbenzene	ND	2.2	"	"	"	"	"	"	
n-Propylbenzene	ND	2.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Styrene	ND	2.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.2	"	"	"	"	"	"	
Tetrachloroethene	ND	2.2	"	"	"	"	"	"	
Toluene	ND	2.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.2	"	"	"	"	"	"	
Trichloroethene	ND	2.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.2	"	"	"	"	"	"	
Vinyl Chloride	ND	2.2	"	"	"	"	"	"	
Xylenes (total)	ND	6.6	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.8 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-50 (2A12101-05) Soil Sampled: 01/20/11 09:04 Analyzed: 01/21/11 14:11									
1,1,1,2-Tetrachloroethane	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.3	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.3	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.3	"	"	"	"	"	"	
Benzene	ND	2.3	"	"	"	"	"	"	
Bromobenzene	ND	2.3	"	"	"	"	"	"	
Bromochloromethane	ND	2.3	"	"	"	"	"	"	
Bromodichloromethane	ND	2.3	"	"	"	"	"	"	
Bromoform	ND	2.3	"	"	"	"	"	"	
Bromomethane	ND	2.3	"	"	"	"	"	"	
Carbon disulfide	ND	2.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.3	"	"	"	"	"	"	
Chlorobenzene	ND	2.3	"	"	"	"	"	"	
Chloroethane	ND	2.3	"	"	"	"	"	"	
Chloroform	ND	2.3	"	"	"	"	"	"	
Chloromethane	ND	2.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-50 (2A12101-05) Soil Sampled: 01/20/11 09:04 Analyzed: 01/21/11 14:11									
cis-1,3-Dichloropropene	ND	2.3	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.3	"	"	"	"	"	"	
Dibromomethane	ND	2.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.3	"	"	"	"	"	"	
Ethylbenzene	ND	2.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.3	"	"	"	"	"	"	
Isopropylbenzene	ND	2.3	"	"	"	"	"	"	
Methylene Chloride	ND	2.3	"	"	"	"	"	"	
Naphthalene	ND	2.3	"	"	"	"	"	"	
n-Butylbenzene	ND	2.3	"	"	"	"	"	"	
n-Propylbenzene	ND	2.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Styrene	ND	2.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.3	"	"	"	"	"	"	
Tetrachloroethene	ND	2.3	"	"	"	"	"	"	
Toluene	ND	2.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.3	"	"	"	"	"	"	
Trichloroethene	ND	2.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.3	"	"	"	"	"	"	
Vinyl Chloride	ND	2.3	"	"	"	"	"	"	
Xylenes (total)	ND	7.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-60 (2A12101-06) Soil Sampled: 01/20/11 09:13 Analyzed: 01/21/11 14:47									
1,1,1,2-Tetrachloroethane	ND	2.1	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.1	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.1	"	"	"	"	"	"	
1,2-Dibromoethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.1	"	"	"	"	"	"	
Benzene	ND	2.1	"	"	"	"	"	"	
Bromobenzene	ND	2.1	"	"	"	"	"	"	
Bromochloromethane	ND	2.1	"	"	"	"	"	"	
Bromodichloromethane	ND	2.1	"	"	"	"	"	"	
Bromoform	ND	2.1	"	"	"	"	"	"	
Bromomethane	ND	2.1	"	"	"	"	"	"	
Carbon disulfide	ND	2.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.1	"	"	"	"	"	"	
Chlorobenzene	ND	2.1	"	"	"	"	"	"	
Chloroethane	ND	2.1	"	"	"	"	"	"	
Chloroform	ND	2.1	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-60 (2A12101-06) Soil Sampled: 01/20/11 09:13 Analyzed: 01/21/11 14:47									
cis-1,3-Dichloropropene	ND	2.1	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	2.1	"	"	"	"	"	"	
Dibromomethane	ND	2.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.1	"	"	"	"	"	"	
Ethylbenzene	ND	2.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.1	"	"	"	"	"	"	
Isopropylbenzene	ND	2.1	"	"	"	"	"	"	
Methylene Chloride	ND	2.1	"	"	"	"	"	"	
Naphthalene	ND	2.1	"	"	"	"	"	"	
n-Butylbenzene	ND	2.1	"	"	"	"	"	"	
n-Propylbenzene	ND	2.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Styrene	ND	2.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.1	"	"	"	"	"	"	
Tetrachloroethene	ND	2.1	"	"	"	"	"	"	
Toluene	ND	2.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.1	"	"	"	"	"	"	
Trichloroethene	ND	2.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.1	"	"	"	"	"	"	
Vinyl Chloride	ND	2.1	"	"	"	"	"	"	
Xylenes (total)	ND	6.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*75-125*		"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

CONFIDENTIAL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-70 (2A12101-07) Soil Sampled: 01/20/11 09:23 Analyzed: 01/21/11 15:14									
1,1,1,2-Tetrachloroethane	ND	1.6	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.6	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.6	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.6	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.6	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.6	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.6	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.6	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.6	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.6	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.6	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.6	"	"	"	"	"	"	
Benzene	ND	1.6	"	"	"	"	"	"	
Bromobenzene	ND	1.6	"	"	"	"	"	"	
Bromochloromethane	ND	1.6	"	"	"	"	"	"	
Bromodichloromethane	ND	1.6	"	"	"	"	"	"	
Bromoform	ND	1.6	"	"	"	"	"	"	
Bromomethane	ND	1.6	"	"	"	"	"	"	
Carbon disulfide	**5.5**	1.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.6	"	"	"	"	"	"	
Chlorobenzene	ND	1.6	"	"	"	"	"	"	
Chloroethane	ND	1.6	"	"	"	"	"	"	
Chloroform	ND	1.6	"	"	"	"	"	"	
Chloromethane	ND	1.6	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-70 (2A12101-07) Soil Sampled: 01/20/11 09:23 Analyzed: 01/21/11 15:14									
cis-1,3-Dichloropropene	ND	1.6	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.6	"	"	"	"	"	"	
Dibromomethane	ND	1.6	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.6	"	"	"	"	"	"	
Ethylbenzene	ND	1.6	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.6	"	"	"	"	"	"	
Isopropylbenzene	ND	1.6	"	"	"	"	"	"	
Methylene Chloride	ND	1.6	"	"	"	"	"	"	
Naphthalene	ND	1.6	"	"	"	"	"	"	
n-Butylbenzene	ND	1.6	"	"	"	"	"	"	
n-Propylbenzene	ND	1.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.6	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.6	"	"	"	"	"	"	
Styrene	ND	1.6	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.6	"	"	"	"	"	"	
Tetrachloroethene	ND	1.6	"	"	"	"	"	"	
Toluene	ND	1.6	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.6	"	"	"	"	"	"	
Trichloroethene	ND	1.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.6	"	"	"	"	"	"	
Vinyl Chloride	ND	1.6	"	"	"	"	"	"	
Xylenes (total)	ND	4.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.9 %*		*75-125*		"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*		*75-125*		"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-80 (2A12101-08) Soil Sampled: 01/20/11 09:45 Analyzed: 01/21/11 15:40									
1,1,1,2-Tetrachloroethane	ND	1.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
1,1,1-Trichloroethane	ND	1.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.7	"	"	"	"	"	"	
1,1,2-Trichloro-trifluoroethane	ND	1.7	"	"	"	"	"	"	
1,1-Dichloroethane	**2.3**	1.7	"	"	"	"	"	"	
1,1-Dichloroethene	**35**	1.7	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.7	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.7	"	"	"	"	"	"	
1,2-Dibromoethane	ND	1.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.7	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.7	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.7	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.7	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.7	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.7	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.7	"	"	"	"	"	"	
Benzene	ND	1.7	"	"	"	"	"	"	
Bromobenzene	ND	1.7	"	"	"	"	"	"	
Bromochloromethane	ND	1.7	"	"	"	"	"	"	
Bromodichloromethane	ND	1.7	"	"	"	"	"	"	
Bromoform	ND	1.7	"	"	"	"	"	"	
Bromomethane	ND	1.7	"	"	"	"	"	"	
Carbon disulfide	ND	1.7	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.7	"	"	"	"	"	"	
Chlorobenzene	ND	1.7	"	"	"	"	"	"	
Chloroethane	ND	1.7	"	"	"	"	"	"	
Chloroform	ND	1.7	"	"	"	"	"	"	
Chloromethane	ND	1.7	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4.2**	1.7	"	"	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CM-GW04-80 (2A12101-08) Soil Sampled: 01/20/11 09:45 Analyzed: 01/21/11 15:40									
cis-1,3-Dichloropropene	ND	1.7	ug/kg	1	21A2101	01/21/11	01/21/11	EPA 8260B	
Dibromochloromethane	ND	1.7	"	"	"	"	"	"	
Dibromomethane	ND	1.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.7	"	"	"	"	"	"	
Ethylbenzene	ND	1.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.7	"	"	"	"	"	"	
Isopropylbenzene	ND	1.7	"	"	"	"	"	"	
Methylene Chloride	ND	1.7	"	"	"	"	"	"	
Naphthalene	ND	1.7	"	"	"	"	"	"	
n-Butylbenzene	ND	1.7	"	"	"	"	"	"	
n-Propylbenzene	ND	1.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Styrene	ND	1.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.7	"	"	"	"	"	"	
Tetrachloroethene	**7.2**	1.7	"	"	"	"	"	"	
Toluene	ND	1.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.7	"	"	"	"	"	"	
Trichloroethene	**1.1**	1.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.7	"	"	"	"	"	"	
Vinyl Chloride	ND	1.7	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.9 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.7 %*		*75-125*	"	"	"	"	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
Blank (21A2101-BLK1)				Prepared & Analyzed: 01/21/11						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	"							
1,1,2,2-Tetrachloroethane	ND	2.0	"							
1,1,2-Trichloroethane	ND	2.0	"							
1,1,2-Trichloro-trifluoroethane	ND	2.0	"							
1,1-Dichloroethane	ND	2.0	"							
1,1-Dichloroethene	ND	2.0	"							
1,1-Dichloropropene	ND	2.0	"							
1,2,3-Trichlorobenzene	ND	2.0	"							
1,2,3-Trichloropropane	ND	2.0	"							
1,2,4-Trichlorobenzene	ND	2.0	"							
1,2,4-Trimethylbenzene	ND	2.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane	ND	2.0	"							
1,2-Dichlorobenzene	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
1,2-Dichloropropane	ND	2.0	"							
1,3,5-Trimethylbenzene	ND	2.0	"							
1,3-Dichlorobenzene	ND	2.0	"							
1,3-Dichloropropane	ND	2.0	"							
1,4-Dichlorobenzene	ND	2.0	"							
2,2-Dichloropropane	ND	2.0	"							
2-Chlorotoluene	ND	2.0	"							
4-Chlorotoluene	ND	2.0	"							
Benzene	ND	2.0	"							
Bromobenzene	ND	2.0	"							
Bromochloromethane	ND	2.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	2.0	"							
Bromomethane	ND	2.0	"							
Carbon disulfide	ND	2.0	"							
Carbon tetrachloride	ND	2.0	"							
Chlorobenzene	ND	2.0	"							

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
Blank (21A2101-BLK1)				Prepared & Analyzed: 1/21/11						
Chloroethane	ND	2.0	ug/kg							
Chloroform	ND	2.0	"							
Chloromethane	ND	2.0	"							
cis-1,2-Dichloroethene	ND	2.0	"							
cis-1,3-Dichloropropene	ND	2.0	"							
Dibromochloromethane	ND	2.0	"							
Dibromomethane	ND	2.0	"							
Dichlorodifluoromethane	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
Hexachlorobutadiene	ND	2.0	"							
Isopropylbenzene	ND	2.0	"							
Methylene Chloride	ND	2.0	"							
Naphthalene	ND	2.0	"							
n-Butylbenzene	ND	2.0	"							
n-Propylbenzene	ND	2.0	"							
p-Isopropyltoluene	ND	2.0	"							
sec-Butylbenzene	ND	2.0	"							
Styrene	ND	2.0	"							
tert-Butylbenzene	ND	2.0	"							
Tetrachloroethene	ND	2.0	"							
Toluene	ND	2.0	"							
trans-1,2-Dichloroethene	ND	2.0	"							
trans-1,3-Dichloropropene	ND	2.0	"							
Trichloroethene	ND	2.0	"							
Trichlorofluoromethane	ND	2.0	"							
Vinyl Chloride	ND	2.0	"							
Xylenes (total)	ND	6.0	"							
Surrogate: Dibromofluoromethane	*43.2*		"	*50.0*		*86.4*	*75-125*			
Surrogate: Toluene-d8	*50.4*		"	*50.0*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*43.9*		"	*50.0*		*87.8*	*75-125*			

CONFIDENTIAL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS (21A2101-BS1)				Prepared & Analyzed: 1/21/11						
1,1,1,2-Tetrachloroethane	50.1	2.0	ug/kg	50.0		100	129			
1,1,1-Trichloroethane	48.2	2.0	"	50.0		96.5	81-124			
1,1,2,2-Tetrachloroethane	55.9	2.0	"	50.0		11[illegible]	61-125			
1,1,2-Trichloroethane	43.2	2.0	"	50.0		86.4	77-118			
1,1,2-Trichloro-trifluoroethane	38.3	2.0	"	50.0		76.5	85-115			QL-H1
1,1-Dichloroethane	47.6	2.0	"	50.0		95.3	83-117			
1,1-Dichloroethene	44.9	2.0	"	50.0		89.7	85-116			
1,1-Dichloropropene	41.1	2.0	"	50.0		82.2	80-116			
1,2,3-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-118			
1,2,3-Trichloropropane	44.9	2.0	"	50.0		89.8	64-122			
1,2,4-Trichlorobenzene	45.3	2.0	"	50.0		90.6	85-115			
1,2,4-Trimethylbenzene	65.9	2.0	"	50.0		132	85-115			QL-H
1,2-Dibromo-3-chloropropane	40.8	2.0	"	50.0		81.6	36-148			
1,2-Dibromoethane	66.9	2.0	"	50.0		134	85-115			QL-H
1,2-Dichlorobenzene	[illegible]	2.0	"	50.0		129	85-115			QL-H
1,2-Dichloroethane	40.7	2.0	"	50.0		81.4	82-118			QL-H
1,2-Dichloropropane	[illegible].5	2.0	"	50.0		99.0	85-115			
1,3,5-Trimethylbenzene	70.[illegible]	2.0	"	50.0		140	85-115			QL-H
1,3-Dichlorobenzene	[illegible]	2.0	"	50.0		139	85-115			QL-H
1,3-Dichloropropane	46.5	2.0	"	50.0		93.0	83-116			
1,4-Dichlorobenzene	64.1	2.0	"	50.0		128	85-115			QL-H
2,2-Dichloropropane	41.6	2.0	"	50.0		83.2	71-144			
2-Chlorotoluene	48.0	2.0	"	50.0		96.0	85-115			
4-Chlorotoluene	72.3	2.0	"	50.0		145	85-115			QL-H
Benzene	44.6	2.0	"	50.0		89.2	85-115			
Bromobenzene	58.1	2.0	"	50.0		116	85-115			QL-H
Bromochloromethane	53.6	2.0	"	50.0		107	81-117			
Bromodichloromethane	50.1	2.0	"	50.0		100	80-121			
Bromoform	50.7	2.0	"	50.0		101	53-145			
Bromomethane	42.9	2.0	"	50.0		85.8	75-123			
Carbon disulfide	43.7	2.0	"	50.0		87.4	78-125			
Carbon tetrachloride	49.4	2.0	"	50.0		98.8	83-125			
Chlorobenzene	46.0	2.0	"	50.0		91.9	85-115			

CONFIDENTIAL

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton. CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS (21A2101-BS1)				Prepared & Analyzed: 1/21/11						
Chloroethane	54.9	2.0	ug/kg	50.0		110	145			
Chloroform	47.3	2.0	"	50.0		94.6	82-120			
Chloromethane	56.7	2.0	"	50.0		113	71-128			
cis-1,2-Dichloroethene	47.8	2.0	"	50.0		95.5	81-122			
cis-1,3-Dichloropropene	53.6	2.0	"	50.0		107	85-116			
Dibromochloromethane	50.0	2.0	"	50.0		100	76-116			
Dibromomethane	43.3	2.0	"	50.0		86.6	83-117			
Dichlorodifluoromethane	43.2	2.0	"	50.0		86.5	75-118			
Ethylbenzene	44.5	2.0	"	50.0		89.0	83-115			
Hexachlorobutadiene	76.5	2.0	"	50.0		153	84-131			QL-H
Isopropylbenzene	49.0	2.0	"	50.0		98.0	85-115			
Methylene Chloride	52.1	2.0	"	50.0		104	85-119			
Naphthalene	58.4	2.0	"	50.0		117	58-121			
n-Butylbenzene	35.2	2.0	"	50.0		70.3	85-117			QL-H
n-Propylbenzene	41.9	2.0	"	50.0		83.8	85-115			QL-H
p-Isopropyltoluene	63.9	2.0	"	50.0		128	85-115			QL-H
sec-Butylbenzene	69.3	2.0	"	50.0		139	85-115			QL-H
Styrene	54.5	2.0	"	50.0		109	85-115			
tert-Butylbenzene	68.9	2.0	"	50.0		138	85-115			QL-H
Tetrachloroethene	47.0	2.0	"	50.0		94.0	70-139			
Toluene	46.3	2.0	"	50.0		92.7	77-115			
trans-1,2-Dichloroethene	48.7	2.0	"	50.0		97.4	85-115			
trans-1,3-Dichloropropene	51.6	2.0	"	50.0		103	77-121			
Trichloroethene	47.2	2.0	"	50.0		94.4	79-123			
Trichlorofluoromethane	57.7	2.0	"	50.0		115	63-151			
Vinyl Chloride	50.6	2.0	"	50.0		101	85-116			
Xylenes (total)	124	6.0	"	150		82.9	79-115			
Surrogate: Dibromofluoromethane	*47.2*		*"*	*50.0*		*94.4*	*75-125*			
Surrogate: Toluene-d8	*55.8*		*"*	*50.0*		*112*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*40.3*		*"*	*50.0*		*80.6*	*75-125*			

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS Dup (21A2101-BSD1)				Prepared & Analyzed: 1/21/11						
1,1,1,2-Tetrachloroethane	52.1	2.0	ug/kg	50.0		104	[illegible]-129	3.88	20	
1,1,1-Trichloroethane	47.1	2.0	"	50.0		94.2	81-124	2.43	20	
1,1,2,2-Tetrachloroethane	63.0	2.0	"	50.0		12[illegible]	61-125	12.0	20	QL-H
1,1,2-Trichloroethane	51.1	2.0	"	50.0		102	77-118	16.8	20	
1,1,2-Trichloro-trifluoroethane	49.6	2.0	"	50.0		99.2	85-115	25.8	20	QR-04
1,1-Dichloroethane	47.6	2.0	"	50.0		95.2	83-117	0.0420	20	
1,1-Dichloroethene	46.9	2.0	"	50.0		93.9	85-116	4.53	20	
1,1-Dichloropropene	43.8	2.0	"	50.0		87.5	80-116	6.22	20	
1,2,3-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-118	3.09	20	
1,2,3-Trichloropropane	50.8	2.0	"	50.0		102	64-122	12.4	20	
1,2,4-Trichlorobenzene	46.7	2.0	"	50.0		93.4	85-115	3.09	20	
1,2,4-Trimethylbenzene	68.4	2.0	"	50.0		137	85-115	3.81	20	QL-H
1,2-Dibromo-3-chloropropane	50.6	2.0	"	50.0		101	36-148	21.6	20	QL-H
1,2-Dibromoethane	73.[illegible]	[illegible]	[illegible]	50.0		146	85-115	9.08	20	QL-H
1,2-Dichlorobenzene	[illegible]	2.0	"	50.0		131	85-115	1.17	20	QL-H
1,2-Dichloroethane	42.8	2.0	"	50.0		85.6	82-118	4.98	20	
1,2-Dichloropropane	[illegible]	2.0	"	50.0		99.4	85-115	0.363	20	
1,3,5-Trimethylbenzene	72.[illegible]	2.0	"	50.0		146	85-115	3.81	20	QL-H
1,3-Dichlorobenzene	[illegible]	2.0	"	50.0		136	85-115	1.69	20	QL-H
1,3-Dichloropropane	51.4	2.0	"	50.0		103	83-116	10.1	20	
1,4-Dichlorobenzene	65.2	2.0	"	50.0		130	85-115	1.64	20	QL-H
2,2-Dichloropropane	45.8	2.0	"	50.0		91.7	71-144	9.65	20	
2-Chlorotoluene	48.4	2.0	"	50.0		96.7	85-115	0.706	20	
4-Chlorotoluene	71.4	2.0	"	50.0		143	85-115	1.28	20	QL-H
Benzene	42.7	2.0	"	50.0		85.4	85-115	4.35	20	
Bromobenzene	57.8	2.0	"	50.0		116	85-115	0.518	20	QL-H
Bromochloromethane	55.3	2.0	"	50.0		111	81-117	3.12	20	
Bromodichloromethane	48.4	2.0	"	50.0		96.7	80-121	3.61	20	
Bromoform	58.5	2.0	"	50.0		117	53-145	14.2	20	
Bromomethane	43.8	2.0	"	50.0		87.5	75-123	2.03	20	
Carbon disulfide	44.9	2.0	"	50.0		89.8	78-125	2.71	20	
Carbon tetrachloride	53.4	2.0	"	50.0		107	83-125	7.90	20	
Chlorobenzene	46.1	2.0	"	50.0		92.3	85-115	0.391	20	

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Environmental Support Technologies 360 Goddard Irvine, California 92618	Project: 1850 E. Orangethorpe Ave, Fullerton CA. Project Number: EST2736 Project Manager: Mr. Michael Marello	**Reported:** 27-Jan-11 11:37

Volatile Organic Compounds - Quality Control

Environmental Support Technologies

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 21A2101 - Volatiles										
LCS Dup (21A2101-BSD1)				Prepared & Analyzed: 1/21/11						
Chloroethane	52.7	2.0	ug/kg	50.0		105	65-145	4.09	20	
Chloroform	47.7	2.0	"	50.0		95.3	82-120	0.758	20	
Chloromethane	48.7	2.0	"	50.0		97.[illegible]	71-128	15.3	20	
cis-1,2-Dichloroethene	49.9	2.0	"	50.0		99.8	81-122	4.42	20	
cis-1,3-Dichloropropene	52.5	2.0	"	50.0		105	85-116	2.04	20	
Dibromochloromethane	55.8	2.0	"	50.0		112	76-116	10.9	20	
Dibromomethane	49.6	2.0	"	50.0		99.1	83-117	13.4	20	
Dichlorodifluoromethane	41.3	2.0	"	50.0		82.6	75-118	4.54	20	
Ethylbenzene	44.9	2.0	"	50.0		89.7	83-115	0.806	20	
Hexachlorobutadiene	78.5	2.0	"	50.0		157	84-131	2.56	20	QL-H
Isopropylbenzene	48.7	2.0	"	50.0		97.5	85-115	0.573	20	
Methylene Chloride	50.4	2.0	"	50.0		101	85-119	3.32	20	
Naphthalene	66.5	2.0	"	50.0		133	58-121	12.9	20	QL-H
n-Butylbenzene	36.6	2.0	"	50.0		73.1	85-117	3.90	20	QL-H
n-Propylbenzene	[illegible]	2.0	"	50.0		85.2	85-115	1.70	20	
p-Isopropyltoluene	66.5	2.0	"	50.0		133	85-115	3.90	20	QL-H
sec-Butylbenzene	[illegible]	2.0	"	50.0		142	85-115	2.14	20	QL-H
Styrene	54.[illegible]	2.0	"	50.0		109	85-115	0.293	20	
tert-Butylbenzene	[illegible]	2.0	"	50.0		145	85-115	4.98	20	QL-H
Tetrachloroethene	50.2	2.0	"	50.0		100	70-139	6.55	20	
Toluene	46.5	2.0	"	50.0		92.9	77-115	0.259	20	
trans-1,2-Dichloroethene	48.8	2.0	"	50.0		97.7	85-115	0.328	20	
trans-1,3-Dichloropropene	53.8	2.0	"	50.0		108	77-121	4.17	20	
Trichloroethene	46.0	2.0	"	50.0		92.0	79-123	2.58	20	
Trichlorofluoromethane	59.1	2.0	"	50.0		118	63-151	2.43	20	
Vinyl Chloride	47.8	2.0	"	50.0		95.7	85-116	5.57	20	
Xylenes (total)	124	6.0	"	150		82.7	79-115	0.209	20	
Surrogate: Dibromofluoromethane	*48.1*		"	*50.0*		*96.2*	*75-125*			
Surrogate: Toluene-d8	*55.4*		"	*50.0*		*111*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*40.8*		"	*50.0*		*81.6*	*75-125*			

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Notes and Definitions

QR-04	The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
QL-H1	The spike recovery was out high for the LCS and/or the LCSD; however the analyte in CCV is within QC acceptance limits.
QL-H	The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed samples.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
360 Goddard, Irvine, CA 92618 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: EST
Address:
Project Manager: M. Marello

Sampler Name: M. Marello
EST Project#: EST 2736 - OCWD
Site Location: 2230 E Orangethorpe Ave. Fullerton
Phone: ( )
Email:

Page: 1 of 1

Turnaround Time: (Check one)

Normal ☐ Same Day ☐
24 Hours ☐ 48 Hours ☐
72 Hours ☐

Sample Integrity: (check)

Intact: Yes: ☐ No: ☐
Cooled: Yes: ☐ No: ☐
Warm: Yes: ☐ No: ☐

Sample Name	Sample Matrix	Container Type	# of Containers	Sampling Date	Sampling Time	Preservative Type	Analysis Required: VOCs EPA 8260B					Special Instructions
CM-GW01-10'	soil	VOA	3	1/19/11	8:45	5035 ICE	X					2x Sodium Bisulfate
CM-GW01-20'	↓	↓	↓	↓	8:55	↓	X					1x Methanol
CM-GW01-30'	↓	↓	↓	↓	9:09	↓	X					
CM-GW01-40'	↓	↓	↓	↓	9:19	↓	X					
CM-GW01-50'	↓	↓	↓	↓	9:27	↓	X					
CM-GW01-60'	↓	↓	↓	↓	9:43	↓	X					
CM-GW01-70'	↓	↓	↓	↓	9:58	↓	X					

Relinquished by: [signature]	Date/Time: 1/19/11 2:45P	Received by: [signature]	Date/Time: 1/19/10 1445
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Relinquished by:	Date/Time:	Received by:	Date/Time:

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CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
360 Goddard, Irvine, CA 92618 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: EST
Address:
Project Manager: M. Morello

Sampler Name: M. Morello
EST Project#: 2736
Site Location: 2020 E. Orangethorpe Ave., Fullerton
Phone: ( )
Email:

Page: 1 of 2

Turnaround Time: (Check one)

Normal ☒ Same Day ☐
24 Hours ☐ 48 Hours ☐
72 Hours ☐

Sample Integrity: (check)

Intact: Yes: ☑ No: ☐
Cooled: Yes: ☑ No: ☐
Warm: Yes: ☐ No: ☑

Sample Name	Sample Matrix	Container Type	# of Containers	Sampling Date	Sampling Time	Preservative Type	VOCs EPA 8260B					Special Instructions
CM-GW02-10'	Soil	VOA	3	1/21/11	7:45	5035 ICE	X					2x Sodium Bisulfite
CM-GW02-20'					7:52		X					1x Methanol
CM-GW02-30'					8:16		X					
CM-GW02-40'					8:23		X					
CM-GW02-50'					8:30		X					
CM-GW02-60'					8:40		X					
CM-GW02-70'					8:54		X					
~~CM-GW02-80'~~					~~9:00~~		~~X~~					
CM-GW03-10'					8:19		X					
CM-GW03-20'					8:27		X					
CM-GW03-30'					8:36		X					
CM-GW03-40'					8:50		X					
CM-GW03-50'					8:57		X					
CM-GW03-60'					9:09		X					
CM-GW03-70'					9:20		X					

Relinquished by: [signature] Date/Time: 1/21/11 2:35P
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CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
360 Goddard, Irvine, CA 92618 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: EST
Address:
Project Manager: M. Marello

Sampler Name: M. Marello
EST Project#: 2776 OCWD
Site Location: 2020 E. Orangethorpe Ave. Fullerton
Phone: ( )
Email:

Turnaround Time: (Check one)

Normal ☑ Same Day ☐
24 Hours ☐ 48 Hours ☐
72 Hours ☐

Sample Integrity: (check)

Intact: Yes: ☑ No: ☐
Cooled: Yes: ☑ No: ☐
Warm: Yes: ☐ No: ☑

Sample Name	Sample Matrix	Container Type	# of Containers	Sampling Date	Sampling Time	Preservative Type	VOCs EPA 8260D					Special Instructions
CM-GWOT-80f4	Soil	VOA	3	1/21/11	9:30	5035						

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Received by: Date/Time:

Relinquished by: Date/Time:
Received by: Date/Time:

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CHAIN-OF-CUSTODY RECORD

Environmental Support Technologies
360 Goddard, Irvine, CA 92618 · Tel (949) 679-9500 · Fax (949) 679-9501

Client: EST
Address:
Project Manager: M. Marello

Sampler Name: M. Marello
EST Project#: 2736-OCWA
Site Location: 1850 E. Orangethorpe, Fullerton
Phone: ( )
Email:

Page: 1 of 1

Turnaround Time: (Check one)

Normal ☑ Same Day ☐
24 Hours ☐ 48 Hours ☐
72 Hours ☐

Sample Integrity: (check)

Intact: Yes: ☑ No: ☐
Cooled: Yes: ☑ No: ☐
Warm: Yes: ☐ No: ☑

Sample Name	Sample Matrix	Container Type	# of Containers	Sampling Date	Sampling Time	Preservative Type	VOCs EPA 8260B					Special Instructions
CM-GW04-10'	Soil	VOA	3	1/20/11	[illegible]	ICE 5035						2x Sodium Bisulf
CM-GW04-20'	↓	↓	↓	↓	0827	↓						1x Methanol
CM-GW04-30'					0837							
CM-GW04-40'					0847							
CM-GW04-50'					0904							
CM-GW04-60'					~~0904~~	0913						
CM-GW04-70'					0923							
CM-GW04-80'	↓	↓	↓	↓	0945	↓						

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Received by: [signature] 1/20/11 Date/Time: 1540

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Received by: Date/Time:

Relinquished by: Date/Time:
Received by: Date/Time:

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Vista paint Corporation
2020 E. Orangethorpe Ave. Fullerton, CA 92831 714.680.3800

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