



**New York State Department of
Environmental Conservation**

Pre-design Investigation Report

Chemical Sales Corporation OU#1
Town of Gates, New York
Site # 8-28-086

Work Assignment # D-004439-28

June 2012

Pre-design Investigation Report

Chemical Sales Corporation
OU#1

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New York State Department of
Environmental Conservation

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1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) tasked ARCADIS/Malcolm Pirnie, Inc. (Malcolm Pirnie) to perform a Remedial Design at the Chemical Sales Corporation Operable Unit 1 (OU #1) (site) in the Town of Gates, New York (Figure 1). The nature and extent of soil contamination within OU#1 was not fully delineated during the Remedial Investigation. As such, pre-design studies were conducted prior to designing the remedy to supplement the findings of earlier site investigations and feasibility studies conducted at the site.

This Pre-design Investigation Report summarizes the results of the field activities conducted to produce a site basemap and identify and characterize the overall distribution of contaminants in on- and near-site soil. The pre-design study results will be used to design the remedy for site, which includes the demolition and removal of on-site structures and excavation and off-site disposal of approximately 11,000 cubic yards of soil.

2. Background

The site (NYSDEC site number 828086) is located on an approximately 0.86-acre parcel at 190 Lee Road in an urban area in the Town of Gates, Monroe County, New York (Figure 1). The site is landlocked by a larger 6.6-acre parcel. Residential, industrial, and commercial properties are located directly to the west and south of the site. The New York State Erie Barge Canal (the canal) and bike path are located just east and north of the site.

2.1 Site History

The site is the location of a former solvent repackaging company that operated at this location from 1976 to approximately 1997. Assorted chemicals, primarily flammable and chlorinated solvents, were purchased in bulk and repackaged into smaller containers for resale. These operations resulted in the release of chlorinated solvents and non-halogenated solvents at the site, some of which migrated from the site to surrounding areas, including groundwater east of the canal.

The results of a Remedial Investigation (URS, 2000) indicated that there is contamination present in the site soil, in the shallow unsaturated bedrock, and in groundwater beneath the site. Site contaminants include volatile organic compounds, including chlorinated solvents, some petroleum-related contaminants, as well as some non-halogenated solvents.

In January 2000, the NYSDEC determined that contamination from the Chemical Sales site should be addressed in two operable units. OU #1 includes the area west of the canal, consisting of the Chemical Sales property, contaminated portions of the surrounding property, groundwater west of the canal, and a drainage ditch between the site and the canal. Operable Unit 2 (OU #2) consists of groundwater beneath the off-site area east of OU #1 and the canal.

Based on the results of a feasibility study (NYSDEC, 2000), the NYSDEC issued a Record of Decision (ROD) for OU#1 in March 2000 with a remedy that included installation of approximately 180 steam injection and extraction wells and operation of a steam stripping system to recover contaminants from the groundwater, soil and bedrock. Based on an evaluation of the steam stripping vendor proposal, NYSDEC determined that, due to the high estimated cost for the implementation of a full-scale remediation system, steam stripping was not feasible. As such, a revised Feasibility Study Report (Malcolm Pirnie, 2009) was prepared as a basis for revising the OU#1

ROD. The amended OU#1 ROD was developed in February 2010 (NYSDEC, 2010). The selected remedy includes:

- Excavation and off-site disposal of approximately 11,000 cubic yards of soil impacted with greater than 10 parts per million (ppm) total volatile organic compounds (VOCs);
- Demolition of the on-site building prior to excavation and the removal of the building slab during excavation activities;
- Placement of a demarcation layer and one-foot cover in areas where residual soil contamination is present at concentrations greater than 10 ppm total VOCs;
- Installation of a groundwater extraction and treatment system; and
- Imposition of an environmental easement on the site.

2.2 Site Geology and Hydrogeology

The following geologic units underlie the site from the surface down: miscellaneous and scattered surface debris (fill); tight to very tight till consisting of poorly sorted silt, sand, clay and gravel; and bedrock. The till contacts a glaciated bedrock surface at approximately 3 to 8 feet below ground surface (bgs). The bedrock, to depths of approximately 175 feet, consists of the Lockport Dolomite and Rochester Shale Formations. The bedrock is divided into the Penfield and DeCew Members of the Lockport Formation, and the Gates Dolomite and Rochester Shale of the Rochester Shale Formation. The rock units vary in thickness around the site but, in general, the Lockport Formation is approximately 29 to 39 feet thick, and the Rochester Formation is reported to be approximately 150 feet thick.

The primary hydrogeologic unit identified near the site is an unconfined aquifer present in the Lockport and Upper Rochester Shale Formations. Locally, a perched water table is present in some of the thin overburden soil. At most well and boring locations, the water table is within the bedrock zone. No confining soil unit was identified during the remedial investigation (RI). Groundwater in the bedrock flows through secondary porosity features in the rock including fractures, joints, solution cavities, and bedding planes. Both the Lockport and Rochester Formations have little primary porosity, so

groundwater flow is controlled by the distribution and magnitude of these secondary porosities in the rock.

The bedrock groundwater regime in the vicinity of the site is dynamic and is affected by depth, distance from, and stage of the canal. Groundwater monitoring wells were installed in shallow, intermediate, and deep portions of the bedrock aquifer corresponding to depths of approximately 20 to 35 feet bgs, 35 to 65 feet bgs, and 80 to 95 feet bgs, respectively. The shallow bedrock zone appears to have a lower hydraulic conductivity than the intermediate zone. This variation in hydraulic conductivity results in a perched shallow water condition when the canal is lowered in the autumn. This occurs because the more transmissive intermediate zone is well connected with the canal and reacts more rapidly to changes in the canal water level. The canal's influence on the shallow bedrock also appears to generate a flux of water either in or out of the bedrock, depending on the seasonal stage of the canal. The intermediate bedrock zone appears to be hydraulically influenced by the seasonal nature of the canal that results in a steepening of the hydraulic gradient during high water conditions and a flattening of the gradient during low water conditions.

3. Field Activities

The pre-design investigation field activities included a site survey and collection of sub-surface soil samples for VOC analysis. The results of these activities will be used to design the remedy for site. The site survey and soil sample collection is summarized below.

3.1 Site Survey

YEC, Inc. conducted a site survey in April 2012 and produced the basemap included in Appendix A. The site survey included:

- Developing base mapping for the site and some adjacent areas showing relevant surface and subsurface features and surface topography;
- Determining, and including on the base mapping, the horizontal and vertical locations of existing monitoring wells and soil sampling points; and
- Providing horizontal and vertical control on the site by establishing a permanent measuring point on the site.

3.2 Soil Borings

On October 10 and 11, 2011, Nature's Way Environmental Consultants and Contractors, Inc. (Nature's Way) used direct-push methods to collect subsurface soil samples at 20 locations. A truck mounted Simco Earth Probe 200 was used to collect continuous macrocore soil samples. Due to the steep and uneven ground surface conditions, three additional soil samples in a drainage ditch to the east of the site (SB-21, SB-22, and SB-23) were collected using a hand auger. An air knife was used to visually and physically clear each location near probable existing utilities prior to drilling. Soil boring locations are shown on Figure 2 and boring logs are provided in Appendix B.

The borings were advanced to refusal, which is assumed to be the top of bedrock. At each boring location, the macrocore was cut along its length and the soil was logged by an on-site geologist and screened using a photoionization detector (PID). At each boring location, up to two soil samples were collected and shipped to Chemtech

Environmental Laboratory for VOC analysis by United States Environmental Protection Agency (USEPA) Method 8260B. In general, one soil sample per boring was collected from a depth less than 3.5' bgs and a second soil sample was collected from a depth greater than 3.5' bgs. A total of 43 soil samples from borings advanced in October 2011 were selected for laboratory analysis from intervals of elevated PID measurements.

Recovered soil not sent for laboratory analysis was placed into the borehole. The remaining open borehole was filled with bentonite.

Additional soil samples were collected on December 14, 2011 by Nature's Way using direct-push drilling methods to further delineate the area where total VOC concentrations in soil exceed 10 parts per million. Four soil borings (SB-24 through SB-27) were advanced to the northwest of the site building and soil borings SB04, SB05, & SB06. Two soil samples from each of these four borings were analyzed for VOCs by USEPA Method 8260B. Seven additional borings (SB-28 through SB-34) were advanced to the south of the site building to assess the depth to bedrock in these locations.

4. Results

Information on the site survey, the depth to bedrock, and VOC concentrations in soil are provided below.

4.1 Site Survey

A basemap produced by YEC, Inc. based on the April 2012 site survey is provided in Appendix A. The coordinates and elevations of the 2011 soil borings and monitoring wells located in the immediate vicinity of the site are shown in Table 1. In addition to the monitoring well and soil borings, the location of concrete slabs, a waterline maintenance easement, site property ingress and egress easement, and underground electrical and gas lines were surveyed. The survey also included ground surface topography with a 1' contour interval. The site survey will be used as the basemap for the Remedial Design drawings.

Between December 2011 and April 2012, a fence was constructed along the boundary between 210 Lee Road (the property surrounding the site property) and 30 Person Place, which is located east of the site and between the canal and the 210 Lee Road parcel. The new fence crosses over a drainage ditch that is just inside of and parallels the western and northern edge of the 30 Person Place parcel. This fence is shown on the site survey.

4.2 Depth to Bedrock

Soil borings advanced on or near the site since 1999 are shown on Figure 2. The boring refusal depth at each boring, assumed to be the top of bedrock, is shown on Figure 3. Refusal depth ranged from 1.5 to 9.0 feet below ground surface (bgs). As shown in Figure 3, the depth of unconsolidated materials is generally greater to the north, northwest, and southeast of the site building and less in the center of the site property and in the drainage ditch to the east of the site.

4.3 Analytical Results

The VOC analytical data from the 51 soil samples collected from the site in October and December 2011 are presented in Table 2. Laboratory data packages are provided in Appendix C. Concentrations of VOCs in the October and December 2011 soil samples were compared to New York State Department of Environmental

Conservation (NYSDEC) 6 NYCRR Part 375 Soil Cleanup objectives (SCOs) and the 10 ppm total VOC limit of proposed soil excavation.

4.3.1 Analytical Results Relative to SCOs

Residential SCOs were not exceeded in the soil samples with the exception of one VOC in one soil sample (tetrachloroethene collected from 3.5 feet bgs at SB-05). At least one VOC was detected at a concentration greater than the corresponding unrestricted use SCO in 12 of the 51 soil samples. VOC concentrations did not exceed unrestricted use SCOs in the remaining 39 samples or in samples collected from 19 of the 27 soil borings where soil was analyzed for VOCs (SB-01 through SB-03, SB-07 through SB-21, SB-23). With the exception of one sample collected from the drainage ditch to the east of the site (SB-22), the samples containing VOCs at concentrations greater than unrestricted use SCOs were collected from borings to the northwest of the site building. More than one VOC was detected at a concentration greater than a corresponding unrestricted use SCO in only four soil samples (3.5 feet bgs at SB-04, 3.5 feet bgs at SB-05, and 1 and 5.5 feet bgs at SB-06).

Below is a summary of VOCs that were present at concentrations exceeding the respective unrestricted use SCOs.

- 1,1,1-trichloroethane (1,1,1-TCA) was present at a concentration greater than the respective unrestricted use SCO of 680 micrograms per kilogram ($\mu\text{g}/\text{kg}$) in one of the soil samples collected from SB-04, SB-06, SB-24, and SB-25. The 1,1,1-TCA concentration in these four samples ranged from 2,800 $\mu\text{g}/\text{kg}$ at SB-25 (3.5 feet bgs) to 49,000 $\mu\text{g}/\text{kg}$ at SB-04 (3.5 feet bgs).
- *Cis*-1,2-dichloroethene (*cis*-1,2-DCE) was detected at concentrations greater than the respective unrestricted use SCO of 250 $\mu\text{g}/\text{kg}$ in at least one soil sample collected from SB-04, SB-05, SB-06, SB-22, and SB-25. *Cis*-1,2-DCE concentrations in these samples ranged from 440 $\mu\text{g}/\text{kg}$ at SB-25 (6 feet bgs) to 18,000 $\mu\text{g}/\text{kg}$ at SB-05 (3.5 feet bgs).
- Tetrachloroethene (PCE) was present at concentrations greater than the unrestricted use SCO of 1300 $\mu\text{g}/\text{kg}$ in soil samples from borings SB-04 (3.5 feet bgs), SB-05 (7.5 feet bgs) and SB-06 (1 foot bgs). The PCE concentration in soil sampled from 3.5 feet bgs at SB-05 (31,000 $\mu\text{g}/\text{kg}$) was greater than the residential SCO of 5,500 $\mu\text{g}/\text{kg}$.

- Trichloroethene (TCE) was detected in soil sampled from 3.5 feet bgs at SB-04 (860 $\mu\text{g/kg}$) at a concentration greater than the corresponding unrestricted use SCO (470 $\mu\text{g/kg}$).
- 1,1-dichloroethane (1,1-DCA) and/or 1,1-dichloroethene (1,1-DCE) were detected at concentrations greater than the respective unrestricted use SCOs of 270 and 330 $\mu\text{g/kg}$ in soil samples from SB-04 and SB-06.
- Acetone and toluene were reported at concentrations greater than the unrestricted use SCOs of 50 and 700 $\mu\text{g/kg}$, respectively, in at least one of the soil samples collected from SB-06.

4.3.2 Total VOC Results

The total VOC concentrations in the higher concentration soil sample from each boring are shown on Figure 4. Total VOC soil concentrations were evaluated to delineate the soil to be excavated and disposed of off-site as part of the remedy for the site.

Total VOC concentrations exceeded 10 ppm in four soil samples collected in October 2011 (3.5 feet bgs at SB-04, 3.5 feet bgs at SB-05, and 1 and 5.5 feet bgs at SB-06). As shown on Figure 4, soil samples from an additional 13 borings advanced in 1998 and 1999 as part of the Remedial Investigation contained total VOC concentrations greater than 10 ppm. Following the October 2011 sampling event, soil at and near the site containing greater than 10 ppm of total VOCs was delineated with the exception of a small area to the northwest of borings SB-04, SB-05, and SB-06 and the site building. Total VOC concentrations in soil sampled from the four soil borings advanced in December 2011 (SB-24 through SB-27) to the northwest of SB-04, SB-05, and SB-06 were less than 10 ppm. Based on the results of the Remedial Investigation and pre-design studies, soil containing total VOCs greater than 10 ppm is present on much of the site property and limited areas to the southeast and northwest of the site property. The approximate 10 ppm soil total VOC contour line and proposed excavation area are shown on Figure 4.

5. Conclusions

As part of pre-design investigations, a site survey was conducted in April 2012 and soil samples were collected from direct-push soil borings in October and December 2011 and analyzed for VOCs. Based on direct-push drilling refusal, the depth of unconsolidated materials at the site ranges from 1.5 to 9.0 feet and is generally greater to the north, northwest, and southeast of the site building and less in the center of the site property and in the drainage ditch to the east of the site.

The 2011 analytical results included the following:

- VOCs present in the soil samples at the highest concentrations were PCE, 1,1,1-TCA, and *cis*-1,2-DCE;
- Only one VOC in one soil sample (tetrachloroethene collected from 3.5 feet bgs at SB-05) was present at a concentration that exceeded the respective residential use SCOs;
- Eight VOCs (1,1,1-TCE, *cis*-1,2-DCE, 1,1-DCA, 1,1-DCE, PCE, TCE, acetone and toluene) were detected in soil samples at concentrations greater than unrestricted use SCOs; and
- VOC concentrations did not exceed unrestricted use SCOs in 19 of the 27 soil borings where soil was collected and analyzed for VOCs.

The approximate horizontal and vertical extent of soil at and near the site containing greater than 10 ppm total VOCs has been delineated and is present on much of the site property and limited areas to the southeast and northwest of the site property.

6. References

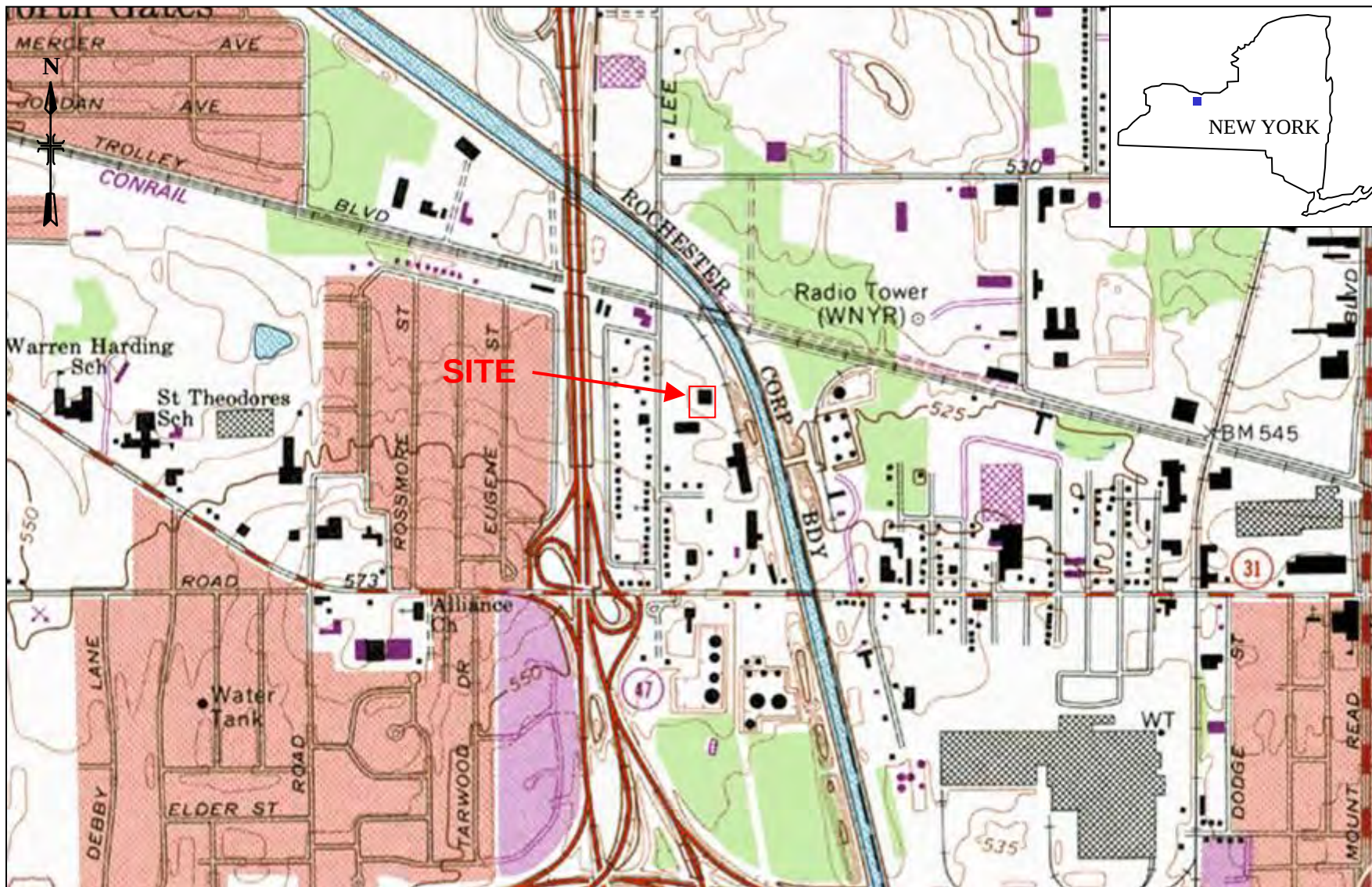
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Superfund Project, Town of Gates, Monroe County New York, Site Number
828086

Figures



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC SERIES, ROCHESTER WEST QUADRANGLE 1971 PHOTOREVISED 1978

APPROXIMATE SCALE IN FEET

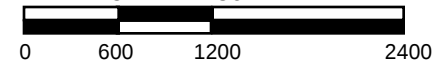


Figure 2
Boring Locations
Chemical Sales Corp. OU-1
Town of Gates, New York

0 50 100 200 Feet



Legend

- 1998 Boring
- 1998 Monitoring Well
- 1999 Boring
- 2011 Boring
- Electrical Line
- Gas Line
- Site Property Line
- Approximate Tax Parcel

Figure 3
Depth to Bedrock
In Feet Below Ground Surface
Chemical Sales Corp. OU-1
Town of Gates, New York

0 50 100 200 Feet



Figure 4
Total VOC Soil Concentrations (ppm)
and Proposed Excavation Area
Chemical Sales Corp. OU-1
Town of Gates, New York



Tables

Table 1
Survey Data
Chemical Sales OU-1
Town of Gates, New York

ID	Northing (Y)	Easting (X)	Ground Surface Elevation (ft. AMSL)	Casing Elevation (ft. AMSL)	PVC Elevation (ft. AMSL)
MW-1D	1156186.00	1389139.26	535.89	538.06	
MW-1S	1156178.10	1389139.15	535.87	538.03	
MW-26	1156078.19	1389615.26	529.75		
MW-29	1156203.12	1389492.28	532.28	533.27	533.09
MW-2D	1156055.43	1389497.64	534.73		537.21
MW-2S	1156049.89	1389501.95	535.34		537.76
MW-31	1156124.33	1389335.72	536.88	538.16	538.15
MW-3D	1155764.10	1389406.80	537.42		539.72
MW-3S	1155759.41	1389396.75	537.66		
MW-4D	1155822.95	1389595.31	535.10		537.06
MW-4S	1155812.49	1389594.04	535.13		
OMW-1	1155975.37	1389376.08	536.83	533.55	
OMW-2	1155799.62	1389519.38	535.30	534.97	
OBW-2	1155802.86	1389558.59	535.05	534.91	
OBW-1	1155803.02	1389524.12	535.03	533.55	
OBW-3	1155803.92	1389578.82	534.89	534.29	
OBW-4	1156046.03	1389508.57	535.31	536.26	
OBW-5	1156004.10	1389539.62	533.06		
PW-2	1156067.14	1389496.96	533.80		535.19
PZ-1	1155800.41	1389583.75	534.96	534.85	
SB-01	1156100.77	1389421.64	535.30		
SB-02	1156034.98	1389494.03	536.02		
SB-03	1156059.94	1389451.81	534.83		
SB-04	1156063.52	1389395.79	536.38		
SB-05	1156063.50	1389357.53	537.14		
SB-06	1156008.13	1389347.69	537.44		
SB-07	1155969.67	1389361.25	536.81		
SB-08	1156032.79	1389546.55	533.34		
SB-09	1156000.48	1389557.06	533.37		
SB-10	1155926.65	1389555.62	531.04		
SB-11	1156048.55	1389605.79	529.83		
SB-12	1156005.08	1389605.29	530.81		
SB-13	1155906.58	1389570.24	534.11		
SB-15	1155756.72	1389520.05	535.73		
SB-16	1155763.00	1389476.33	536.82		
SB-17	1155822.60	1389605.32	534.25		
SB-18	1155816.10	1389382.14	535.09		
SB-19	1155877.48	1389381.80	534.19		
SB-20	1155927.42	1389379.96	535.52		
SB-21	1155822.88	1389623.15	528.01		
SB-22	1155967.31	1389620.08	528.50		
SB-23	1155998.71	1389663.41	528.00		
SB-24	1156025.40	1389331.86	537.60		
SB-25	1156081.81	1389343.41	537.19		
SB-26	1156013.56	1389317.87	537.59		
SB-27	1155973.16	1389336.46	536.84		
SB-28	1155916.74	1389454.56	533.36		
SB-29	1155899.47	1389496.93	533.29		
SB-30	1155896.37	1389416.14	533.95		
SB-31	1155876.83	1389438.60	533.90		
SB-32	1155868.54	1389472.41	533.71		
SB-33	1155825.77	1389512.03	533.76		
SB-34	1155803.37	1389548.94	534.62		

Notes:

- 1) DATE OF FIELD SURVEY: APRIL 16, 2012
- 2) HORIZONTAL DATUM: NAD 83 FROM GPS OBSERVATIONS
- 3) VERTICAL DATUM: NAVD 88 FROM GPS OBSERVATIONS
- 4) COORDINATES IN NEW YORK STATE PLANE, FEET, WEST ZONE

TABLE 2
SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS
CHEMICAL SALES (SITE #828086)
TOWN OF GATES, NEW YORK

Sample ID Sample Depth (feet) Sampling Date Sample Location Matrix Unit		6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Residential Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Commercial Soil Cleanup Objective ug/kg	SB-01 1.5 10/11/2011 North of building SOIL ug/Kg	SB-01 6 10/11/2011 North of building SOIL ug/Kg	SB-02 3.5 10/11/2011 North of building SOIL ug/Kg	SB-02RE 3.5 10/11/2011 North of building SOIL ug/Kg	SB-02 7 10/11/2011 North of building SOIL ug/Kg	SB-03 1.5 10/11/2011 North of building SOIL ug/Kg	SB-03RE 1.5 10/11/2011 North of building SOIL ug/Kg	SB-03 6 10/11/2011 North of building SOIL ug/Kg	SB-04 3.5 10/11/2011 NW of building SOIL ug/Kg	SB-04 6 10/11/2011 NW of building SOIL ug/Kg	SB-05 3.5 10/11/2011 NW of building SOIL ug/Kg	SB-05 7.5 10/11/2011 NW of building SOIL ug/Kg	SB-06 1 10/11/2011 West of Building SOIL ug/Kg	SB-06 5.5 10/11/2011 West of Building SOIL ug/Kg	SB-07 1 10/11/2011 West of Building SOIL ug/Kg
Volatile Organic Compounds (VOCs)																			
1,1,1-Trichloroethane	71-55-6	680	100,000	500,000	13	6.2 U	18	14	6.3 U	6.1	4.8 J	6.1 U	49000 D	6.2 U	58	23	1600 D	96	14
1,1,2,2-Tetrachloroethane	79-34-5				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	2.7 J	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,1,2-Trichloroethane	79-00-5				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	47	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,1,2-Trichlorotrifluoroethane	76-13-1				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,1-Dichloroethane	75-34-3	270	19,000	240,000	5.4 U	13	3.1 J	2.9 J	6.3 U	4.1 J	3.2 J	6.1 U	760 D	6.2 U	18	8.6	1100 D	75	5.1 U
1,1-Dichloroethene	75-35-4	330	100,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	760 D	6.2 U	5.5 U	5.6 U	15	10	5.1 U
1,2,4-Trichlorobenzene	120-82-1				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,2-Dibromo-3-Chloropropane	96-12-8				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	2.3 J	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,2-Dibromoethane	106-93-4				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,2-Dichlorobenzene	95-50-1	1,100	100,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,2-Dichloroethane	107-06-2	20	2,300	30,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 J	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,2-Dichloropropane	78-87-5				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,3-Dichlorobenzene	541-73-1	2,400	17,000	280,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
1,4-Dichlorobenzene	106-46-7	1,800	9,800	130,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
2-Butanone	78-93-3	120	100,000	500,000	27 U	31 U	26 U	26 U	31 U	26 U	26 U	30 U	27 U	31 U	28 U	28 U	34 U	33 U	26 U
2-Hexanone	591-78-6				27 U	31 U	26 U	26 U	31 U	26 U	26 U	30 U	27 U	31 U	28 U	28 U	34 U	33 U	26 U
4-Methyl-2-Pentanone	108-10-1				27 U	31 U	26 U	26 U	31 U	26 U	26 U	30 U	27 U	31 U	28 U	28 U	34 U	33 U	26 U
Acetone	67-64-1	50	100,000	500,000	27 U	31 U	26 U	26 U	31 U	26 U	26 U	30 U	27 U	20 J	28 U	28 U	25 J	99	26 U
Benzene	71-43-2	60	2,900	44,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Bromodichloromethane	75-27-4				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Bromoform	75-25-2				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Bromomethane	74-83-9				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Carbon Disulfide	75-15-0		100,000 ^a		5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	4.4 J	5.1 U
Carbon Tetrachloride	56-23-5	760	1,400	22,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Chlorobenzene	108-90-7	1100	100,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Chloroethane	75-00-3				5.4 U	6.2	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	700 D	40	5.1 U
Chloroform	67-66-3	370	10,000	350,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Chloromethane	74-87-3				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
cis-1,2-Dichloroethene	156-59-2	250	59,000	500,000	9.2	21	10	9.1	6.3 U	9.9	7.9	6.1 U	10000 D	6.2 U	18000 D	110	2300 D	730 D	3.2 J
cis-1,3-Dichloropropene	10061-01-5				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Cyclohexane	110-82-7				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	9800 D	7100 D	5.1 U
Dibromochloromethane	124-48-1				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Dichlorodifluoromethane	75-71-8				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Ethyl Benzene	100-41-4	1000	30,000	390,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	31	5.6 U	14	30	5.1 U
Isopropylbenzene	98-82-8				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	11	26	5.1 U
m/p-Xylenes	179601-23-1	260	100,000	500,000	11 U	12 U	11 U	10 U	13 U	11 U	10 U	12 U	11 U	12 U	70	11 U	26	55	10 U
Methyl Acetate	79-20-9				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Methyl tert-butyl Ether	1634-04-4		62,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Methylcyclohexane	108-87-2				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	8700 D	6700 D	5.1 U
Methylene Chloride	75-09-2	50	51,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	3.5 J	6.2 U	2.8 J	2.7 J	24	13	5.1 U
o-Xylene	95-47-6	260	100,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5600 U	5.6 U	31	59	5.1 U
Styrene	100-42-5				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	3.9 J	5.6 U	6.7 U	6.6 U	5.1 U
t-1,3-Dichloropropene	10061-02-6				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Tetrachloroethene	127-18-4	1300	5,500	150,000	350 D	6.2 U	51	54	6.3 U	44	39	6.1 U	2900 D	6.2 U	31000 D	4900 D	1400 D	70	4.6 J
Toluene	108-88-3	700	100,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	27	6.2 U	6.6	5.6 U	3100 D	3600 D	5.1 U
trans-1,2-Dichloroethene	156-60-5	190	100,000	500,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	17	6.2 U	6.8	5.6 U	23	9.8	5.1 U
Trichloroethene	79-01-6	470	10,000	200,000	5.4 U	6.2 U	16	13	6.3 U	66	59	6.1 U	860 D	6.2 U	51	18	8.5	4.7 J	5.1 U
Trichlorofluoromethane	75-69-4				5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	6.7 U	6.6 U	5.1 U
Vinyl Chloride	75-01-4	20	210	13,000	5.4 U	6.2 U	5.3 U	5.2 U	6.3 U	5.3 U	5.2 U	6.1 U	5.4 U	6.2 U	5.5 U	5.6 U	4 J	7.7	5.1 U
Total VOCs (parts per billion)					372.2	40.2	98.1	93	0	130.1	113.9	0	64,382.60	20	49,248.10	5,062.30	28,881.50	18,729.60	21.8
Total VOCs (parts per million)					0.3722	0.0402	0.0981	0.093	0	0.1301	0.1139	0	64.3826	0.02	49.2481	5.0623	28.8815	18.7296	0.0218

NOTES:
J: Estimated value.
U: Not detected. Reporting limit shown.
B: The analyte was detected in an associated blank.
D: Result of analysis of diluted sample
^a: CP-51 Supplemental Soil Cleanup Objective

Exceeds Unrestricted Use Soil Cleanup Objective

Exceeds Unrestricted and Residential Use Soil Cleanup Objectives

Exceeds Unrestricted, Residential, and Commercial Use Soil Cleanup Objectives

Exceeds 10 parts per million total volatile organic compounds

Non-detect results with a reporting limit greater than the respective SCO are not highlighted.
If a compound was present at a concentration between the SCO and the reporting limit it would have been reported at an estimated concentration.

TABLE 2
SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS
CHEMICAL SALES (SITE #828086)
TOWN OF GATES, NEW YORK

Sample ID Sample Depth (feet) Sampling Date Sample Location Matrix Unit		6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Residential Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Commercial Soil Cleanup Objective ug/kg	SB-07 5.5 10/11/2011 West of Building SOIL ug/Kg	SB-08 1.5 10/11/2011 East of Building SOIL ug/Kg	SB-08 6 10/11/2011 East of Building SOIL ug/Kg	SB-09 1.5 10/11/2011 East of Building SOIL ug/Kg	SB-09 4.5 10/11/2011 East of Building SOIL ug/Kg	SB-10 1 10/11/2011 East of Building SOIL ug/Kg	SB-10 3 10/11/2011 East of Building SOIL ug/Kg	SB-11 1 10/11/2011 East of Building SOIL ug/Kg	SB-11 3 10/11/2011 East of Building SOIL ug/Kg	SB-12 1.5 10/11/2011 East of Building SOIL ug/Kg	SB-12 4 10/11/2011 East of Building SOIL ug/Kg	SB-13 3.5 10/11/2011 East of Building SOIL ug/Kg	SB-13 6 10/11/2011 East of Building SOIL ug/Kg	SB-14 1.5 10/12/2011 S. Property Line SOIL ug/Kg	SB-14 6.5 10/12/2011 S. Property Line SOIL ug/Kg
Volatile Organic Compounds (VOCs)																			
1,1,1-Trichloroethane	71-55-6	680	100,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,1,2,2-Tetrachloroethane	79-34-5				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,1,2-Trichloroethane	79-00-5				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,1,2-Trichlorotrifluoroethane	76-13-1				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,1-Dichloroethane	75-34-3	270	19,000	240,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,1-Dichloroethene	75-35-4	330	100,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,2,4-Trichlorobenzene	120-82-1				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,2-Dibromo-3-Chloropropane	96-12-8				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,2-Dibromoethane	106-93-4				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,2-Dichlorobenzene	95-50-1	1,100	100,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,2-Dichloroethane	107-06-2	20	2,300	30,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,2-Dichloropropane	78-87-5				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,3-Dichlorobenzene	541-73-1	2,400	17,000	280,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
1,4-Dichlorobenzene	106-46-7	1,800	9,800	130,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
2-Butanone	78-93-3	120	100,000	500,000	32 U	30 U	31 U	29 U	30 U	31 U	26 U	34 U	29 U	31 U	29 U	28 U	29 U	29 U	28 U
2-Hexanone	591-78-6				32 U	30 U	31 U	29 U	30 U	31 U	26 U	34 U	29 U	31 U	29 U	28 U	29 U	29 U	28 U
4-Methyl-2-Pentanone	108-10-1				32 U	30 U	31 U	29 U	30 U	31 U	26 U	34 U	29 U	31 U	29 U	28 U	29 U	29 U	28 U
Acetone	67-64-1	50	100,000	500,000	32 U	30 U	31 U	29 U	30 U	31 U	26 U	34 U	29 U	31 U	29 U	28 U	29 U	29 U	28 U
Benzene	71-43-2	60	2,900	44,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Bromodichloromethane	75-27-4				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Bromoform	75-25-2				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Bromomethane	74-83-9				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Carbon Disulfide	75-15-0		100,000 ^a		6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Carbon Tetrachloride	56-23-5	760	1,400	22,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Chlorobenzene	108-90-7	1100	100,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Chloroethane	75-00-3				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Chloroform	67-66-3	370	10,000	350,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Chloromethane	74-87-3				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
cis-1,2-Dichloroethene	156-59-2	250	59,000	500,000	6.3 U	6 U	5.2 J	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
cis-1,3-Dichloropropene	10061-01-5				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Cyclohexane	110-82-7				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Dibromochloromethane	124-48-1				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Dichlorodifluoromethane	75-71-8				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Ethyl Benzene	100-41-4	1000	30,000	390,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Isopropylbenzene	98-82-8				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
m/p-Xylenes	179601-23-1	260	100,000	500,000	13 U	12 U	12 U	11 U	12 U	12 U	11 U	14 U	12 U	12 U	12 U	11 U	12 U	12 U	11 U
Methyl Acetate	79-20-9				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Methyl tert-butyl Ether	1634-04-4		62,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Methylcyclohexane	108-87-2				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Methylene Chloride	75-09-2	50	51,000	500,000	6.3 U	6 U	6.1 U	5.7 U	2.6 J	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
o-Xylene	95-47-6	260	100,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Styrene	100-42-5				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
t-1,3-Dichloropropene	10061-02-6				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Tetrachloroethene	127-18-4	1300	5,500	150,000	6.3 U	6 U	17	5.7 U	6 U	22	56 D	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	18	5.6 U
Toluene	108-88-3	700	100,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
trans-1,2-Dichloroethene	156-60-5	190	100,000	500,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Trichloroethene	79-01-6	470	10,000	200,000	6.3 U	6 U	12	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	6.1	5.6 U
Trichlorofluoromethane	75-69-4				6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Vinyl Chloride	75-01-4	20	210	13,000	6.3 U	6 U	6.1 U	5.7 U	6 U	6.2 U	5.3 U	6.8 U	5.8 U	6.2 U	5.9 U	5.6 U	5.8 U	5.9 U	5.6 U
Total VOCs (parts per billion)					0	0	34.2	0	2.6	22	56	0	0	0	0	2.8	0	24.1	0
Total VOCs (parts per million)					0	0	0.0342	0	0.0026	0.022	0.056	0	0	0	0	0.0028	0	0.0241	0

NOTES:
J: Estimated value.
U: Not detected. Reporting limit shown.
B: The analyte was detected in an associated blank.
D: Result of analysis of diluted sample
^a: CP-51 Supplemental Soil Cleanup Objective

Exceeds Unrestricted Use Soil Cleanup Objective

Exceeds Unrestricted and Residential Use Soil Cleanup Objectives

Exceeds Unrestricted, Residential, and Commercial Use Soil Cleanup Objectives

Exceeds 10 parts per million total volatile organic compounds

Non-detect results with a reporting limit greater than the respective SCO are not highlighted.
If a compound was present at a concentration between the SCO and the reporting limit it would have been reported at an estimated concentration.

TABLE 2
SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS
CHEMICAL SALES (SITE #828086)
TOWN OF GATES, NEW YORK

Sample ID Sample Depth (feet) Sampling Date Sample Location Matrix Unit		6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Residential Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Commercial Soil Cleanup Objective ug/kg	SB-15 3.5 10/12/2011 S. Property Line SOIL ug/Kg	SB-15 6.5 10/12/2011 S. Property Line SOIL ug/Kg	SB-16 3.5 10/12/2011 S. Property Line SOIL ug/Kg	SB-16 6 10/12/2011 S. Property Line SOIL ug/Kg	SB-17 3.5 10/12/2011 Drainage Ditch SOIL ug/Kg	SB-17 6 10/12/2011 Drainage Ditch SOIL ug/Kg	SB-18 1 10/12/2011 W. of Concrete Pad SOIL ug/Kg	SB-18 3 10/12/2011 W. of Concrete Pad SOIL ug/Kg	SB-19 1 10/12/2011 W. of Concrete Pad SOIL ug/Kg	SB-19 2.8 10/12/2011 W. of Concrete Pad SOIL ug/Kg	SB-20 1.5 10/12/2011 West of Building SOIL ug/Kg	SB-20 4 10/12/2011 West of Building SOIL ug/Kg	SB-21 1 10/12/2011 Drainage Ditch SOIL ug/Kg	SB-22 1 10/12/2011 Drainage Ditch SOIL ug/Kg	SB-23 1 10/12/2011 Drainage Ditch SOIL ug/Kg
Volatile Organic Compounds (VOCs)																			
1,1,1-Trichloroethane	71-55-6	680	100,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	16	1.1 U	1.8 U	50	1.5 U
1,1,2,2-Tetrachloroethane	79-34-5				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.49 U	0.57 U	0.94 U	1 U	0.8 U
1,1,2-Trichloroethane	79-00-5				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.96 U	1.1 U	1.8 U	2 U	1.6 U
1,1,2-Trichlorotrifluoroethane	76-13-1				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.4 U	1.7 U	2.7 U	2.9 U	2.3 U
1,1-Dichloroethane	75-34-3	270	19,000	240,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1 U	1.2 U	1.9 U	140	26
1,1-Dichloroethene	75-35-4	330	100,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.6 U	1.8 U	3 U	5.5 J	2.6 U
1,2,4-Trichlorobenzene	120-82-1				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.75 U	0.87 U	1.4 U	1.5 U	1.2 U
1,2-Dibromo-3-Chloropropane	96-12-8				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.93 U	1.1 U	1.8 U	1.9 U	1.5 U
1,2-Dibromoethane	106-93-4				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.68 U	0.8 U	1.3 U	1.4 U	1.1 U
1,2-Dichlorobenzene	95-50-1	1,100	100,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.66 U	0.77 U	1.3 U	1.4 U	1.1 U
1,2-Dichloroethane	107-06-2	20	2,300	30,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.68 U	0.8 U	1.3 U	1.4 U	1.1 U
1,2-Dichloropropane	78-87-5				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.28 U	0.32 U	0.53 U	0.57 U	0.45 U
1,3-Dichlorobenzene	541-73-1	2,400	17,000	280,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.4 U	0.46 U	0.76 U	0.81 U	0.65 U
1,4-Dichlorobenzene	106-46-7	1,800	9,800	130,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.44 U	0.51 U	0.84 U	0.9 U	0.72 U
2-Butanone	78-93-3	120	100,000	500,000	31 U	27 U	31 U	33 U	31 U	29 U	29 U	29 U	26 U	28 U	3.3 U	5.6 J	6.4 U	6.8 U	5.4 U
2-Hexanone	591-78-6				31 U	27 U	31 U	33 U	31 U	29 U	29 U	29 U	26 U	28 U	4.2 U	4.9 U	8 U	8.6 U	6.8 U
4-Methyl-2-Pentanone	108-10-1				31 U	27 U	31 U	33 U	31 U	29 U	29 U	29 U	26 U	28 U	3.1 U	3.6 U	6 U	6.4 U	5.1 U
Acetone	67-64-1	50	100,000	500,000	31 U	27 U	31 U	33 U	31 U	29 U	29 U	29 U	26 U	28 U	3.2 U	46	6.2 U	6.6 U	5.3 U
Benzene	71-43-2	60	2,900	44,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.41 U	0.47 U	0.78 U	0.83 U	0.66 U
Bromodichloromethane	75-27-4				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.66 U	0.77 U	1.3 U	1.4 U	1.1 U
Bromoform	75-25-2				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.79 U	0.92 U	1.5 U	1.6 U	1.3 U
Bromomethane	74-83-9				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	2.6 U	3.1 U	5 U	5.3 U	4.3 U
Carbon Disulfide	75-15-0		100,000 ^a		6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.1 U	1.3 U	2.2 U	2.3 U	1.9 U
Carbon Tetrachloride	56-23-5	760	1,400	22,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.1 U	1.2 U	2 U	2.2 U	1.7 U
Chlorobenzene	108-90-7	1100	100,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.53 U	0.62 U	1 U	1.1 U	0.87 U
Chloroethane	75-00-3				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.5 U	1.7 U	2.9 U	3.1 U	2.4 U
Chloroform	67-66-3	370	10,000	350,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.79 U	0.92 U	1.5 U	1.6 U	1.3 U
Chloromethane	74-87-3				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.92 U	1.1 U	1.8 U	1.9 U	1.5 U
cis-1,2-Dichloroethene	156-59-2	250	59,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	42	35	7.4	5.6 U	0.95 U	1.1 U	4.1 J	680 D	180 D
cis-1,3-Dichloropropene	10061-01-5				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.77 U	0.9 U	1.5 U	1.6 U	1.3 U
Cyclohexane	110-82-7				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.1 U	1.3 U	2.1 U	2.2 U	1.8 U
Dibromochloromethane	124-48-1				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.58 U	0.67 U	1.1 U	1.2 U	0.94 U
Dichlorodifluoromethane	75-71-8				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.7 U	0.81 U	1.3 U	1.4 U	1.1 U
Ethyl Benzene	100-41-4	1000	30,000	390,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.66 U	6.3	1.3 U	1.4 U	1.1 U
Isopropylbenzene	98-82-8				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.51 U	0.6 U	0.98 U	1 U	0.84 U
m/p-Xylenes	179601-23-1	260	100,000	500,000	12 U	16	12 U	13 U	13 U	12 U	11 U	12 U	10 U	11 J	0.77 U	5.1 J	1.5 U	1.6 U	1.3 U
Methyl Acetate	79-20-9				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.6 U	1.9 U	3.1 U	3.3 U	2.6 U
Methyl tert-butyl Ether	1634-04-4		62,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1 U	1.2 U	2 U	2.1 U	1.7 U
Methylcyclohexane	108-87-2				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.1 U	1.3 U	2.2 U	2.3 U	1.9 U
Methylene Chloride	75-09-2	50	51,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.5 U	2.9 J	2.9 U	5.3 J	5.1 J
o-Xylene	95-47-6	260	100,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	4.4 J	0.73 U	4.7 J	1.4 U	1.5 U	1.2 U
Styrene	100-42-5				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.48 U	0.56 U	0.92 U	0.98 U	0.79 U
t-1,3-Dichloropropene	10061-02-6				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.85 U	0.99 U	1.6 U	1.7 U	1.4 U
Tetrachloroethene	127-18-4	1300	5,500	150,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	66	5.8 U	6.5	5.6 U	20	1.3 U	2.1 U	2.2 U	1.8 U
Toluene	108-88-3	700	100,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	2.2 J	0.68 U	3.4 J	1.3 U	1.4 U	1.1 U
trans-1,2-Dichloroethene	156-60-5	190	100,000	500,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	0.74 U	0.86 U	1.4 U	6.6 J	1.2 U
Trichloroethene	79-01-6	470	10,000	200,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	7.9	5.8 U	4.4 J	5.6 U	0.92 U	1.1 U	1.8 U	1.9 U	1.5 U
Trichlorofluoromethane	75-69-4				6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.4 U	1.6 U	2.7 U	8.6 J	9.7
Vinyl Chloride	75-01-4	20	210	13,000	6.1 U	5.5 U	6.1 U	6.5 U	6.3 U	5.8 U	5.7 U	5.8 U	5.1 U	5.6 U	1.3 U	1.5 U	2.5 U	2.7 U	2.1 U
Total VOCs (parts per billion)					0	16	0	0	0	0	115.9	35	18.3	17.6	36	74	4.1	896	220.8
Total VOCs (parts per million)					0	0.016	0	0	0	0	0.1159	0.035	0.0183	0.0176	0.036	0.074	0.0041	0.896	0.2208

NOTES:
J: Estimated value.
U: Not detected. Reporting limit shown.
B: The analyte was detected in an associated blank.
D: Result of analysis of diluted sample
^a: CP-51 Supplemental Soil Cleanup Objective

Exceeds Unrestricted Use Soil Cleanup Objective

Exceeds Unrestricted and Residential Use Soil Cleanup Objectives

Exceeds Unrestricted, Residential, and Commercial Use Soil Cleanup Objectives

Exceeds 10 parts per million total volatile organic compounds

Non-detect results with a reporting limit greater than the respective SCO are not highlighted.
If a compound was present at a concentration between the SCO and the reporting limit it would have been reported at an estimated concentration.

TABLE 2
SUBSURFACE SOIL VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS
CHEMICAL SALES (SITE #828086)
TOWN OF GATES, NEW YORK

Sample ID Sample Depth (feet) Sampling Date Sample Location Matrix Unit		6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Residential Soil Cleanup Objective ug/kg	6 NYCRR Part 375 Commercial Soil Cleanup Objective ug/kg	SB-24 1 12/14/2012 NW of building SOIL ug/Kg	SB-24 5 12/14/2012 NW of building SOIL ug/Kg	SB-25 3.5 12/14/2012 NW of building SOIL ug/Kg	SB-25 6 12/14/2012 NW of building SOIL ug/Kg	SB-26 1 12/14/2012 NW of building SOIL ug/Kg	SB-26 5.5 12/14/2012 NW of building SOIL ug/Kg	SB-26RE 5.5 12/14/2012 NW of building SOIL ug/Kg	SB-27 3.5 12/14/2012 NW of building SOIL ug/Kg	SB-27 5.5 12/14/2012 NW of building SOIL ug/Kg	SB-27RE 5.5 12/14/2012 NW of building SOIL ug/Kg
Volatile Organic Compounds (VOCs)														
1,1,1-Trichloroethane	71-55-6	680	100,000	500,000	24	3500 D	2800 D	30	110	16	8.1	540 D	5.8	13
1,1,2,2-Tetrachloroethane	79-34-5				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,1,2-Trichloroethane	79-00-5				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,1,2-Trichlorotrifluoroethane	76-13-1				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,1-Dichloroethane	75-34-3	270	19,000	240,000	5.3 U	150	150	28	5.5 U	3.2 J	6 U	8	5.5 U	5.6 U
1,1-Dichloroethene	75-35-4	330	100,000	500,000	5.3 U	55	65	6 U	5.5 U	5.9 U	6 U	7.4	5.5 U	5.6 U
1,2,4-Trichlorobenzene	120-82-1				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,2-Dibromo-3-Chloropropane	96-12-8				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,2-Dibromoethane	106-93-4				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,2-Dichlorobenzene	95-50-1	1,100	100,000	500,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,2-Dichloroethane	107-06-2	20	2,300	30,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,2-Dichloropropane	78-87-5				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,3-Dichlorobenzene	541-73-1	2,400	17,000	280,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
1,4-Dichlorobenzene	106-46-7	1,800	9,800	130,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
2-Butanone	78-93-3	120	100,000	500,000	26 U	28 U	32 U	30 U	28 U	30 U	30 U	27 U	28 U	28 U
2-Hexanone	591-78-6				26 U	28 U	32 U	30 U	28 U	30 U	30 U	27 U	28 U	28 U
4-Methyl-2-Pentanone	108-10-1				26 U	28 U	32 U	30 U	28 U	30 U	30 U	27 U	28 U	28 U
Acetone	67-64-1	50	100,000	500,000	62	12 J	12 J	39	64	25 J	110	72	37	100
Benzene	71-43-2	60	2,900	44,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Bromodichloromethane	75-27-4				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Bromoform	75-25-2				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Bromomethane	74-83-9				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Carbon Disulfide	75-15-0		100,000 ^a		5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Carbon Tetrachloride	56-23-5	760	1,400	22,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Chlorobenzene	108-90-7	1100	100,000	500,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Chloroethane	75-00-3				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Chloroform	67-66-3	370	10,000	350,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Chloromethane	74-87-3				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
cis-1,2-Dichloroethene	156-59-2	250	59,000	500,000	3.9 J	250 J	250	440 J	14	5.9 U	6 U	5.3 U	5.5 U	5.6 U
cis-1,3-Dichloropropene	10061-01-5				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Cyclohexane	110-82-7				5.3 U	5.7 U	6.4 U	6 U	5.5 U	8.1	6 U	5.3 U	5.5 U	5.6 U
Dibromochloromethane	124-48-1				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Dichlorodifluoromethane	75-71-8				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Ethyl Benzene	100-41-4	1000	30,000	390,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Isopropylbenzene	98-82-8				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
m/p-Xylenes	179601-23-1	260	100,000	500,000	11 U	11 U	13 U	12 U	11 U	12 U	12 U	11 U	11 U	11 U
Methyl Acetate	79-20-9				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Methyl tert-butyl Ether	1634-04-4		62,000	500,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Methylcyclohexane	108-87-2				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Methylene Chloride	75-09-2	50	51,000	500,000	3.5 J	2.3 J	2.8 J	6 U	3.8 J	5.9 U	6 U	2.6 J	5.5 U	5.5 J
o-Xylene	95-47-6	260	100,000	500,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	3.1 J	2.8 J	5.3 U	5.5 U	5.6 U
Styrene	100-42-5				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
t-1,3-Dichloropropene	10061-02-6				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Tetrachloroethene	127-18-4	1300	5,500	150,000	3.1 J	5.4 J	6.1 J	81	180 JD	6.4	4.5 J	340 D	8.4	7.5
Toluene	108-88-3	700	100,000	500,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
trans-1,2-Dichloroethene	156-60-5	190	100,000	500,000	5.3 U	3 J	3.3 J	10	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Trichloroethene	79-01-6	470	10,000	200,000	36	56	59	48	76	5.9 U	6 U	25	5.5 U	5.6 U
Trichlorofluoromethane	75-69-4				5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Vinyl Chloride	75-01-4	20	210	13,000	5.3 U	5.7 U	6.4 U	6 U	5.5 U	5.9 U	6 U	5.3 U	5.5 U	5.6 U
Total VOCs (parts per billion)					132.5	4033.7	3348.2	676	447.8	61.8	125.4	995	51.2	126
Total VOCs (parts per million)					0.1325	4.0337	3.3482	0.676	0.4478	0.0618	0.1254	0.995	0.0512	0.126

NOTES:
J: Estimated value.
U: Not detected. Reporting limit shown.
B: The analyte was detected in an associated blank.
D: Result of analysis of diluted sample
^a: CP-51 Supplemental Soil Cleanup Objective

Exceeds Unrestricted Use Soil Cleanup Objective

Exceeds Unrestricted and Residential Use Soil Cleanup Objectives

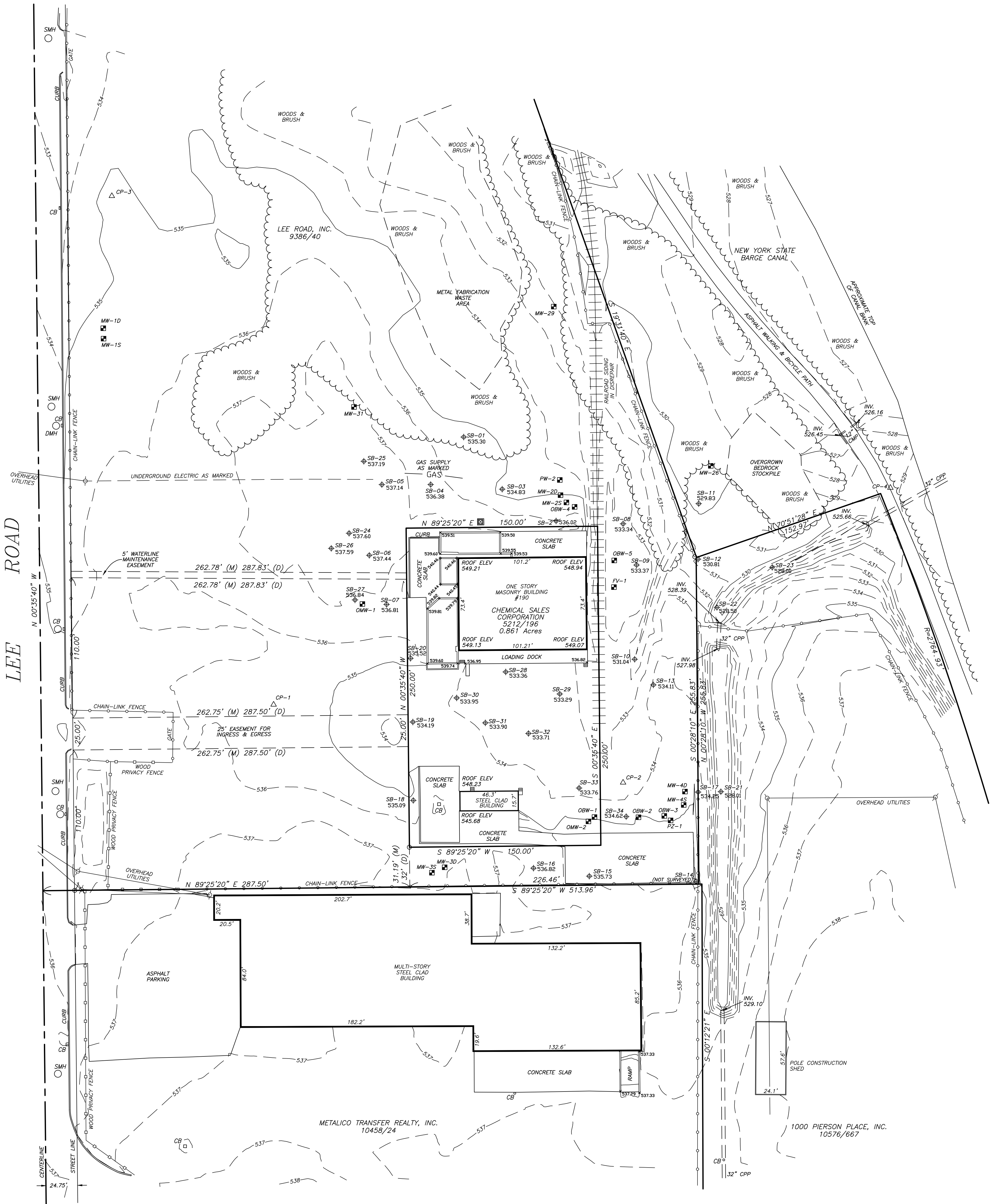
Exceeds Unrestricted, Residential, and Commercial Use Soil Cleanup Objectives

Exceeds 10 parts per million total volatile organic compounds

Non-detect results with a reporting limit greater than the respective SCO are not highlighted.
If a compound was present at a concentration between the SCO and the reporting limit it would have been reported at an estimated concentration.

Appendix A

Site Survey Basemap



WELL NOTES & DATA

- 1) MANY MONITORING WELLS WERE RECOVERED WITHIN THE SURVEY AREA. WELL DESIGNATIONS ARE SHOWN WHERE PROVIDED BY CLIENT OR MARKED IN THE FIELD. THE DESIGNATIONS OF SOME WELLS ARE UNKNOWN.
- 2) CLIENT PROVIDED YEC, Inc. WITH THE LOCATIONS OF FIVE WELLS REQUIRING ELEVATION DATA. THEY ARE DESIGNATED AS OMW-1, OMW-2, MW-2D, MW-3D AND MW-4D. WELL DESIGNATIONS WERE PROVIDED BY CLIENT UPON REVIEW OF SURVEY DRAWING ON MAY 17, 2012.

WELL DATA:

OMW-1	GROUND LEVEL RIM: 536.83	STAINLESS STEEL CASING: 536.33
OBW-1	GROUND LEVEL RIM: 535.03	STEEL CASING: 533.55
OMW-2	GROUND LEVEL RIM: 535.30	STEEL CASING: 534.97
PW-2	CONCRETE BASE: 533.80	PVC CASING: 535.19
MW-2D	CONCRETE BASE: 534.73	PVC CASING: 537.21
MW-2DS	CONCRETE BASE: 535.34	PVC CASING: 537.76
OBW-4	CONCRETE BASE: 535.37	STEEL CASING: 536.26
MW-3D	CONCRETE BASE: 537.42	PVC CASING: 539.72
MW-4D	CONCRETE BASE: 535.10	PVC CASING: 537.06

GENERAL NOTES

- 1) SURVEY COMPLETED WITHOUT BENEFIT OF ABSTRACT OF TITLE.
- 2) ONLY ABOVE GROUND EVIDENCE OF UTILITIES WAS MEASURED IN THE FIELD, SHOWN ON THIS MAP AND CERTIFIED TO.

THE UNDERSIGNED SURVEYOR HEREBY CERTIFIES THAT THIS MAP IS MADE FROM AN ACTUAL SURVEY MADE ON THE GROUND OF THE PROPERTY SHOWN HEREON COMPLETED APRIL 16, 2012.

JOHN S. DAMIANO LS
LS 050283

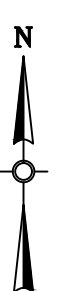
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

LEGEND

- IRON PIPE FOUND
- UTILITY POLE
- ELECTRIC TRANSFORMER
- MONITORING WELL
- SAMPLE BORING
- CATCH BASIN
- STORM MANHOLE
- SANITARY MANHOLE
- SURVEY CONTROL POINT

SURVEY CONTROL

- CP-1 8" SPIKE NAIL
N: 1155891.12
E: 1389272.71
ELEV: 535.66
- CP-2 8" SPIKE NAIL
N: 1155830.05
E: 1389546.52
ELEV: 533.57
- CP-3 8" SPIKE NAIL
N: 1156289.64
E: 1389145.96
ELEV: 535.32
- CP-4 8" SPIKE NAIL
N: 1156061.04
E: 1389755.95
ELEV: 528.68



MAP PREPARED IN NEW YORK STATE
PLANE COORDINATES IN FEET, WEST
ZONE, HORIZONTAL DATUM: NAD83,
VERTICAL DATUM: NAVD83.

SCALE IN FEET

40 20 0 40 FT.



VALLEY COTTAGE

YEC, INC.

NEW YORK

BOUNDARY & TOPOGRAPHIC MAP OF
CHEMICAL SALES CORPORATION
PART of LOT 92 in the 20,000 ACRE TRACT TOWN of GATES
MONROE COUNTY, NEW YORK

DATE: APRIL 20, 2012

SCALE: 1" = 40

DRAWN BY: JSD

CHECKED BY: JSD

JOB NO.: A0441

REVISIONS

No.	DATE	DESCRIPTION
1	5/23/12	UPDATED WELL DESIGNATIONS PER CLIENT

Appendix B

Boring Logs

TEST BORING LOG

BORING No.SB-02

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	536.0
PURPOSE				GROUND ELEV.	536.0
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE		DATE STARTED	10/11/11
DRILL RIG TYPE	Geoprobe	TYPE		DATE FINISHED	10/11/11
GROUND WATER DEPTH	5.0'	DIA.	"	DRILLER	
MEASURING POINT		WEIGHT	#	PIRNE STAFF	D. Symonds
DATE OF MEASUREMENT	10/11/11	FALL	"		

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	3.5		3.9		Organic Soil	535.5		
			22		Medium brown/dark gray SAND and GRAVEL, angular, ~0.8" diameter, some black sand banding at 2' and 4' (loose, dry)	0.5		
			28					
			39		Brown SAND and trace Silt (wet to saturated)	532.0		Soil Sample (SB-02) collected for VOC analysis @ 3.5'
4			0			4.0		▼
	3.0		0					
6			0					
			4.9			528.7		Soil Sample (SB-02) collected for VOC analysis @ 7'
						7.3		Refusal at 7.3'

TEST BORING LOG

BORING No.SB-03

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	534.8
PURPOSE				GROUND ELEV.	534.8
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	6.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
			3		Organic Soil	534.3		
			3.5		Bright orange brown SAND and GRAVEL, ~0.5" diameter (dry)	0.5 533.3		
2	3.5		0		Gray GRAVEL, ~1" diameter (dry)	1.5 532.3		Soil Sample (SB-03) collected for VOC analysis @ 1.5'
			0		Brown SAND, trace Silt (moist)	2.5 530.8		
4			0		Brown SAND and GRAVEL (moist)	4.0 528.8		
			0		Gray GRAVEL (wet), gray Gravel/black Sand with trace Gravel @ 7'	6.0 527.8		▼ Soil Sample (SB-03) collected for VOC analysis @ 6.0'
6			0			7.0		Refusal at 7.0'

TEST BORING LOG

BORING No.SB-04

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	536.4
PURPOSE				GROUND ELEV.	536.4
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	6.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	4		3.5		Organic Soil	535.9		
			9999		Gray and brown ~0.5" diameter GRAVEL and SAND (loose, dry)	0.5		
4			7800			532.9		PID Headspace: 9999
			33		Black/dark gray GRAVEL, ~0.2" diameter (moist)	3.5		Soil Sample (SB-04) collected for VOC analysis @ 3.5'
			40		Gray/brown ~0.5" diameter GRAVEL and SAND (moist)	532.4		
6	3		109		Brown and gray SAND and SILT (saturated), black bands/ orange brown bands	4.0		▼ Soil Sample (SB-04) collected for VOC analysis @ 6.0'
			110			530.4		
						528.9		
						7.5		Refusal at 7.5'

TEST BORING LOG

BORING No.SB-05

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	537.1
PURPOSE				GROUND ELEV.	537.1
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	8.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	3.0		13.9		Gray GRAVEL, ~0.5" diameter (loose, dry)	537.0		
			79.9		Brown/black/gray SAND and GRAVEL with trace Silt. (dry)	0.1 536.8		
					Black/dark gray GRAVEL and SAND (moist)	0.3		
			55					
			73					
4			44		Gray GRAVEL, ~0.9" diameter	533.1 4.0 532.1		Soil Sample (SB-05) collected for VOC analysis @ 3.5'
6	4		15		Brown and gray SAND and SILT. Black and orange bands (moist to wet)	5.0		
			15					
			0					
8			89		Brown and gray Silty SAND (saturated)	529.1 8.0		Soil Sample (SB-05) collected for VOC analysis @ 7.5'
			43					Refusal at 8.5'
			3.1			528.6 8.5		

TEST BORING LOG

BORING No.SB-06

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	537.4
PURPOSE				GROUND ELEV.	537.4
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	6.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	3		109		Brown/gray ~0.5" diameter GRAVEL and SAND mixed bands (dry)			
			88					
			95			534.9		
			9999		Brown/black Silty SAND and GRAVEL, ~0.2" diameter	2.5		
4			9999			533.4		
			889		Brown/gray Silty SAND and GRAVEL mixed layers, black staining (moist; saturated at 7")	4.0		
			9999					
6	3.5		880					
			190			529.9		
			190			7.5		
								Odor present PID Headspace: 9999 Soil Sample (SB-04) collected for VOC analysis @ 4'; Strong odor present PID Headspace: 9999 Soil Sample (SB-06) collected for VOC analysis @ 5.5' Refusal at 7.5'

TEST BORING LOG

BORING No.SB-07

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	536.8
PURPOSE				GROUND ELEV.	536.8
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	5.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	1		120		Brown and gray ~0.8" diameter GRAVEL and SAND (dry, loose)			Soil Sample (SB-07) collected for VOC analysis @ 1'
			0			533.8		
			0		Brown SAND and GRAVEL (dry, loose)	3.0		
4			0			532.8		
			0		Black/brown/gray Silty SAND and GRAVEL, ~0.2" diameter; black staining (wet, saturated at 5')	4.0		
			0			531.3		▼
			0			5.5		Soil Sample (SB-07) collected for VOC analysis @ 5.5'; Refusal

TEST BORING LOG

BORING No.SB-08

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	533.3
PURPOSE				GROUND ELEV.	533.3
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	6.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
			0		Organics	532.8		
			30		Gray/brown, ~0.8" diameter GRAVEL and SAND (dry)	0.5		
2	4		0		Brown/orange Silty SAND (loose, dry)	531.3		Soil Sample (SB-08) collected for VOC analysis @ 1.5'
			0			2.0		
			0					
4			0		Brown/orange Silty SAND (loose, moist)	529.3		
			1.9			4.0		
						528.3		
			0		Gray weathered bedrock, trace Silty Sand (saturated)	5.0		
6			0			526.8		▼ Soil Sample (SB-08) collected for VOC analysis @ 6.0'
			0			6.5		Refusal at 6.5'

TEST BORING LOG

BORING No.SB-09

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	533.4
PURPOSE				GROUND ELEV.	533.4
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	4.5'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	4		0		Dark brown SAND and SILT, organics, trace ~0.2" diameter gravel (dry)	532.4		PID Headspace: 0 Soil Sample (SB-09) collected for VOC analysis @ 1.5'
			0		Medium brown Silty SAND, trace ~0.2" diameter gravel (dry)	1.0		
4	0.7		0			529.4		
			0		Medium brown Silty SAND and GRAVEL, ~1.0" diameter (wet, saturated at 4.5')	4.0		▼ Soil Sample (SB-09) collected for VOC anlysis @ 4.5', PID
			0			528.4		Headspace: 0
			0			5.0		Refusal at 5'

TEST BORING LOG

BORING No.SB-10

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	531.0
PURPOSE				GROUND ELEV.	531.0
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	3.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	2.5		0.3		Dark brown Silty SAND with trace small gravel and organics (dry to moist)	529.5		Soil Sample (SB-10) collected for VOC analysis @ 1.0'
			0			1.5		
			0		Medium brown fine SAND and trace gravel, bedrock at 3.5' (wet to saturated)	527.5		▼ The boring was placed in drainage trench at ~2.5' bgs
			490			3.5		Soil Sample (SB-10) collected for VOC analysis @ 3.0'
			550					

TEST BORING LOG

BORING No.SB-12

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	530.8
PURPOSE				GROUND ELEV.	530.8
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	4.0'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
			0		Organic Soil	530.3		
			0		Dark brown Silty SAND (dry)	0.5 529.3		
2	3.5		0		Medium brown fine SAND, trace ~0.2" diameter gravel, trace red silty sand (wet to saturated)	1.5		Soil Sample (SB-12) collected for VOC analysis @ 1.5'
4			0			526.3 4.5		▼ Soil Sample (SB-12) collected for VOC analysis @ 4.0' Refusal at 4.5'

TEST BORING LOG

BORING No.SB-13

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	534.1
PURPOSE				GROUND ELEV.	534.1
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/11/11
GROUND WATER DEPTH	'	DIA.	"		DATE FINISHED 10/11/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/11/11	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	4		50		Organic soil with dark brown silty sand (dry)	533.6		
			80		Medium brown fine SAND with trace fine gravel (dry)	0.5		
			220					
			540			530.6		
4	2		80		Dark brown/ black fine SAND with trace fine gravel (dry)	3.5		Soil Sample (SB-13) collected for VOC analysis @ 3.5'
			50		Medium brown fine SAND, trace ~0.9" diameter gravel. Green/orange/red/black staining (loose, moist to wet)	530.1		
			399			4.0		
6			441			528.1		
						6.0		Refusal at 6', SB-13 @ 6.0'

TEST BORING LOG

BORING No.SB-14

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	
PURPOSE				GROUND ELEV.	
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	7.0'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
			13.1		Organic soil (dry)			
			14.1			0.5		
2	1.5		2.8		Mixed layered medium/dark brown Silty SAND with layers of ~0.8" diameter gravel. Trace red silty sand and gravel (loose, dry)			Soil Sample (SB-14) collected for VOC analysis @ 1.5'
			4.3					
			6.8					
4			2.3		Medium brown Silty SAND and GRAVEL (moist to saturated)	4.0		
	3.0		10.9					
			78					
6			78		Silt	6.0		Soil Sample (SB-14) collected for VOC analysis @ 6.5', Headspace PID: 220 Refusal at 7'
			321					
			198			7.0		

TEST BORING LOG

BORING No.SB-15

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	535.7
PURPOSE				GROUND ELEV.	535.7
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
			5.8		Concrete	535.2		
					Tan SAND and GRAVEL, ~0.5" diameter (dry)	0.5 534.2		
2	4		12.8		Dark gray/brown Silty SAND with trace ~0.1" diameter gravel, slight dark gray/black stain (dry)	1.5		
			12.5					
			17.8					
4			50					Soil Sample (SB-15) collected for VOC analysis @ 3.5'
			50					
			50					
6			225			529.7		
			531		Tan/gray fine SAND and GRAVEL, ~1.0" diameter (dry)	6.0 529.2		Soil Sample (SB-15) collected for VOC analysis @ 6.5'
			109		Dark gray/brown Silty SAND and GRAVEL (moist to saturated to wet)	6.5 528.2		Refusal at 7.6'
			109			7.5		

TEST BORING LOG

BORING No.SB-16

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	536.8
PURPOSE				GROUND ELEV.	536.8
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	4.0		0		Organic soil and medium/dark brown Silty SAND (dry)	536.3		
			0		Gray GRAVEL, trace sand (dry)	0.5		
			2.1		Medium/dark brown and tan Silty SAND and GRAVEL, ~0.8" diameter (dry)	535.8		
			0			1.0		
			2.1					
4					Medium brown/tan/black discoloration Silty SAND with trace gravel (wet)	532.8		Soil Sample (SB-16) collected for VOC analysis @ 3.5'
	2.5		0			4.0		
			0					
6			2.1			530.3		Soil Sample (SB-16) collected for VOC analysis @ 6.0'
			3.1			6.5		Refusal at 6.3'

TEST BORING LOG

BORING No.SB-17

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	534.3
PURPOSE				GROUND ELEV.	534.3
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
0			0		Organic Soil	533.8		
0			0		Medium brown Silty SAND with gravel, bands of gray and red ~0.9" diameter gravel (dry)	0.5		
2	4		2.1					
4			0			530.3		Soil Sample (SB-17) collected for VOC analysis @ 3.5'
4			0		Medium brown/tan/gray Silty SAND and GRAVEL (loose, moist)	4.0		
5.1			5.1					
5.1			5.1					
5.8			5.8			528.3		Soil Sample (SB-17) collected for VOC analysis @ 6.0'
6			4.8			6.0		Refusal at 6.1'

TEST BORING LOG
BORING No.SB-18

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	535.1
PURPOSE				GROUND ELEV.	535.1
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE		CORE	
DRILL RIG TYPE	Geoprobe	TYPE			
GROUND WATER DEPTH	'	DIA.	"		
MEASURING POINT		WEIGHT	#		
DATE OF MEASUREMENT	10/12/2011	FALL	"		
				PIRNE STAFF	D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	3		735		Organic soil (wet, saturated)	534.6		Soil Sample (SB-18) collected for VOC analysis @ 1.0'
			700		Medium brown Silty SAND and GRAVEL, ~ 0.8" diameter (wet to moist)	0.5		
			3800					
			5555			531.6		Soil Sample (SB-18) collected for VOC analysis @ 3.0'
						3.5		Refusal at 3.5'

TEST BORING LOG

BORING No.SB-19

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	534.2
PURPOSE				GROUND ELEV.	534.2
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE	CORE	CASING	
DRILL RIG TYPE	Geoprobe	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	2.8		50 50 2800 2800 4300		Gray/light tan fine SAND and GRAVEL, trace fine silt (dry, loose)	531.4 2.8		Soil Sample (SB-19) collected for VOC analysis @ 1.0' Refusal at 2.8', Soil Sample (SB-19) collected for VOC analysis @ 2.8'

TEST BORING LOG

BORING No.SB-21

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	528.0
PURPOSE				GROUND ELEV.	528.0
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)		SAMPLE	CORE	CASING	
DRILL RIG TYPE	Shovel	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	0.3'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
	1.5		3.9		Organic soil, mixed wet vegetation (saturated) Brown/black SAND and GRAVEL, sheen and odor (saturated)	527.5 0.5 526.5 1.5		Standing water present Soil Sample (SB-21) collected for VOC analysis @ 1.0' Refusal at 1.5'

TEST BORING LOG
BORING No.SB-22

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	528.5
PURPOSE				GROUND ELEV.	528.5
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)		SAMPLE	CORE	CASING	
DRILL RIG TYPE	Shovel	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	0.3'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
	1.5		10.1		Organic soil/ mixed wet vegetation Brown/black SAND and GRAVEL, sheen and odor present (saturated)	528.0 0.5 527.0 1.5		Standing water present Soil Sample (SB-22) collected for VOC analysis @ 1.0' Refusal at 1.5'

TEST BORING LOG
BORING No.SB-23

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	528
PURPOSE				GROUND ELEV.	528.0
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)		SAMPLE	CORE	CASING	
DRILL RIG TYPE	Shovel	TYPE			DATE STARTED 10/12/11
GROUND WATER DEPTH	0.3'	DIA.	"		DATE FINISHED 10/12/11
MEASURING POINT		WEIGHT	#		DRILLER
DATE OF MEASUREMENT	10/12/2011	FALL	"		PIRNIE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
	1.5		9.9		Organic soil/ wet vegetation	527.5		▼ Standing water present
					Brown/black SAND and GRAVEL, sheen and odor present (saturated)	0.5 526.5		Soil Sample (SB-23) collected for VOC analysis @ 1.0'
						1.5		Refusal at 1.5'

TEST BORING LOG

BORING No.SB-24

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	537.6
PURPOSE				GROUND ELEV.	537.6
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE		DATE STARTED	12/14/11
DRILL RIG TYPE	Geoprobe	TYPE		DATE FINISHED	12/14/11
GROUND WATER DEPTH	'	DIA.	"	DRILLER	
MEASURING POINT		WEIGHT	#	PIRNE STAFF	D. Symonds
DATE OF MEASUREMENT	12/14/2011	FALL	"		

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	2.5		1.2		Medium brown/gray SAND and GRAVEL, ~0.5" diameter (moist)	536.6		Soil Sample (SB-24) collected for VOC analysis @ 1.0'
			3.4					
			3.6		Large GRAVEL, ~1" diameter; low recovery (dry)	1.0		
			5.4					
			6.7					
			3.0					
			1.2					
4			3.5		Medium brown SAND and GRAVEL (dry to moist)	4.0		Soil Sample (SB-24) collected for VOC analysis @ 5.0'
			36.5			532.6		
			1.1		Black SAND/ "coal ash" (dry to moist), SILT/CLAY to bedrock at 7' (loose, dry)	5.0		
6			1.2					
			0			530.6		
						7.0		Refusal at 7'

TEST BORING LOG
BORING No.SB-26

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	537.6
PURPOSE				GROUND ELEV.	537.6
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE		DATE STARTED	12/14/11
DRILL RIG TYPE	Geoprobe	TYPE		DATE FINISHED	12/14/11
GROUND WATER DEPTH	5.5'	DIA.	"	DRILLER	
MEASURING POINT		WEIGHT	#	PIRNE STAFF	D. Symonds
DATE OF MEASUREMENT	12/14/2011	FALL	"		

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	3		2		Medium brown SAND and trace gravel (loose, dry)	536.6		Soil Sample (SB-26) collected for VOC analysis @ 1.0'
			4		Coarse GRAVEL, ~1" diameter (dry)	1.0		
			3.1			534.6		
			0					
4			1.2		Medium brown SAND and trace silt and gravel (dry)	3.0		
					Medium brown SAND and trace gravel and silt (loose, dry)	4.0		
			2		Coarse GRAVEL, ~1.0" diameter (loose, dry)	532.6		
6	3.8		2			5.0		▼ Soil Sample (SB-26) collected for VOC analysis @ 5.5'
			22.1		Medium brown/gray fine Silty SAND (saturated), bedrock at 7.8'	532.1		
			3			5.5		
			3					
			1.1			529.8		
						7.8		Refusal at 7.8'

TEST BORING LOG
BORING No.SB-27

PROJECT	Chemical Sales (828086)	LOCATION	Gates, NY	SHEET	1 OF 1
CLIENT	New York State Department of Environmental Conservation			PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way			MEAS. PT. ELEV.	536.8
PURPOSE				GROUND ELEV.	536.8
WELL MATERIAL	NA			DATUM	
DRILLING METHOD(S)	Direct Push	SAMPLE		DATE STARTED	12/14/11
DRILL RIG TYPE	Geoprobe	TYPE		DATE FINISHED	12/14/11
GROUND WATER DEPTH	'	DIA.	"	DRILLER	
MEASURING POINT		WEIGHT	#	PIRNE STAFF	D. Symonds
DATE OF MEASUREMENT	12/14/2011	FALL	"		

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2	4		0		Brick, Sand and Gravel	535.8		
			4		Coarse GRAVEL, ~1" diameter (loose, dry)	1.0 534.3		
			0		Black SAND (foundry sand) (dry)	2.5 533.3		
4					Medium brown/gray/ black SAND (dry)	3.5		
			2.1		Medium brown SAND and GRAVEL, ~1" diameter (moist)	532.8 4.0		Soil Sample (SB-27) collected for VOC analysis @ 3.5'
6					Medium brown/gray Silty fine SAND (saturated)	531.3 5.5 530.3		Soil Sample (SB-27) collected for VOC analysis @ 5.5'
						6.5		Refusal at 6.5'

TEST BORING LOG
BORING No.SB-28

PROJECT	Chemical Sales (828086)	LOCATION			Gates, NY	SHEET	1	OF	1
CLIENT	New York State Department of Environmental Conservation					PROJECT No.	0266393.0000		
DRILLING CONTRACTOR	Nature's Way					MEAS. PT. ELEV.	533.4		
PURPOSE						GROUND ELEV.	533.4		
WELL MATERIAL	NA					DATUM			
DRILLING METHOD(S)	Direct Push		SAMPLE	CORE	CASING	DATE STARTED	12/14/11		
DRILL RIG TYPE	Geoprobe	TYPE				DATE FINISHED	12/14/11		
GROUND WATER DEPTH	'	DIA.	"			DRILLER			
MEASURING POINT		WEIGHT	#			PIRNIE STAFF	D. Symonds		
DATE OF MEASUREMENT	12/14/2011	FALL	"						

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2								Boring advanced to evaluated depth to bedrock Bedrock Refusal @ 3'

TEST BORING LOG

BORING No.SB-28a

PROJECT	Chemical Sales (828086)		LOCATION	Gates, NY		SHEET	1	OF	1
CLIENT	New York State Department of Environmental Conservation					PROJECT No.	0266393.0000		
DRILLING CONTRACTOR	Nature's Way					MEAS. PT. ELEV.			
PURPOSE						GROUND ELEV.			
WELL MATERIAL	NA					DATUM			
DRILLING METHOD(S)	Direct Push		SAMPLE	CORE	CASING	DATE STARTED	12/14/11		
DRILL RIG TYPE	Geoprobe	TYPE				DATE FINISHED	12/14/11		
GROUND WATER DEPTH	'	DIA.	"			DRILLER			
MEASURING POINT		WEIGHT	#			PIRNIE STAFF	D. Symonds		
DATE OF MEASUREMENT	12/14/2011	FALL	"						

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2								Boring advanced to evaluated depth to bedrock Bedrock Refusal @ 3.3'

TEST BORING LOG
BORING No.SB-30

PROJECT	Chemical Sales (828086)		LOCATION	Gates, NY		SHEET	1 OF 1	
CLIENT	New York State Department of Environmental Conservation						PROJECT No.	0266393.0000
DRILLING CONTRACTOR	Nature's Way						MEAS. PT. ELEV.	534.0
PURPOSE							GROUND ELEV.	534.0
WELL MATERIAL	NA						DATUM	
DRILLING METHOD(S)	Direct Push		SAMPLE		CORE		CASING	
DRILL RIG TYPE	Geoprobe		TYPE					DATE STARTED 12/14/11
GROUND WATER DEPTH	'		DIA.	"				DATE FINISHED 12/14/11
MEASURING POINT			WEIGHT	#				DRILLER
DATE OF MEASUREMENT	12/14/2011		FALL	"				PIRNE STAFF D. Symonds

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2								Boring advanced to evaluated depth to bedrock Bedrock Refusal @ 2.1'

TEST BORING LOG

BORING No.SB-31

PROJECT	Chemical Sales (828086)		LOCATION	Gates, NY		SHEET	1	OF	1
CLIENT	New York State Department of Environmental Conservation					PROJECT No.	0266393.0000		
DRILLING CONTRACTOR	Nature's Way					MEAS. PT. ELEV.	534		
PURPOSE						GROUND ELEV.	533.9		
WELL MATERIAL	NA					DATUM			
DRILLING METHOD(S)	Direct Push		SAMPLE	CORE	CASING	DATE STARTED	12/14/11		
DRILL RIG TYPE	Geoprobe	TYPE				DATE FINISHED	12/14/11		
GROUND WATER DEPTH	'	DIA.	"			DRILLER			
MEASURING POINT		WEIGHT	#			PIRNIE STAFF	D. Symonds		
DATE OF MEASUREMENT	12/14/2011	FALL	"						

DEPTH FT.	SAMPLE TYPE, RECOVERY, NUMBER	BLOWS ON SAMPLE SPOON PER 6"	PID	GRAPHIC LOG	GEOLOGIC DESCRIPTION KEY - Color, Major, Minor Moisture, Etc.	ELEV. DEPTH	WELL Constr.	REMARKS
2								Boring advanced to evaluated depth to bedrock Bedrock Refusal @ 3.5'

Appendix C

Laboratory Data Packages

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : CHEMICAL SALES SITE

**ARCADIS INC.
855 Route 146, Suite 210**

**Clifton Park , NY - 12065
Phone No: 5182507300**

**ORDER ID : C4129
ATTENTION : Mark Flusche**

Cover Page

Order ID : C4129

Project ID : Chemical Sales site

Client : Arcadis Inc.

Lab Sample Number

C4129-01
C4129-02
C4129-03
C4129-04
C4129-05
C4129-06
C4129-07
C4129-08
C4129-09
C4129-10
C4129-11
C4129-12
C4129-13
C4129-14
C4129-15
C4129-16
C4129-17
C4129-18
C4129-19
C4129-20

Client Sample Number

SB01-1.5
SB01-6.0
SB02-3.5
SB02-7.0
SB03-1.5
SB03-6.0
SB04-3.5
SB04-6.0
SB05-3.5
SB05-7.5
SB06-1.0
SB06-5.5
SB07-1.0
SB07-5.5
SB08-1.5
SB08-6.0
SB09-1.5
SB09-4.5
SB10-1.0
SB10-3.0

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB01-1.5	C4129-01	8260B					Chemtech -SOP
SB01-6.0	C4129-02	8260B					Chemtech -SOP
SB02-3.5	C4129-03	8260B					Chemtech -SOP
SB02-7.0	C4129-04	8260B					Chemtech -SOP
SB03-1.5	C4129-05	8260B					Chemtech -SOP
SB03-6.0	C4129-06	8260B					Chemtech -SOP
SB04-3.5	C4129-07	8260B					Chemtech -SOP
SB04-6.0	C4129-08	8260B					Chemtech -SOP
SB05-3.5	C4129-09	8260B					Chemtech -SOP
SB05-7.5	C4129-10	8260B					Chemtech -SOP
SB06-1.0	C4129-11	8260B					Chemtech -SOP
SB06-5.5	C4129-12	8260B					Chemtech -SOP
SB07-1.0	C4129-13	8260B					Chemtech -SOP
SB07-5.5	C4129-14	8260B					Chemtech -SOP
SB08-1.5	C4129-15	8260B					Chemtech -SOP
SB08-6.0	C4129-16	8260B					Chemtech -SOP
SB09-1.5	C4129-17	8260B					Chemtech -SOP
SB09-4.5	C4129-18	8260B					Chemtech -SOP

SB10-1.0	C4129-19	8260B					Chemtech -SOP
SB10-3.0	C4129-20	8260B					Chemtech -SOP

**NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**

FORM S-IIb

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C4129-01	SOIL	10/11/11	10/13/11		10/18/11
C4129-02	SOIL	10/11/11	10/13/11		10/19/11
C4129-03	SOIL	10/11/11	10/13/11		10/18/11
C4129-04	SOIL	10/11/11	10/13/11		10/20/11
C4129-05	SOIL	10/11/11	10/13/11		10/20/11
C4129-06	SOIL	10/11/11	10/13/11		10/20/11
C4129-07	SOIL	10/11/11	10/13/11		10/21/11
C4129-08	SOIL	10/11/11	10/13/11		10/21/11
C4129-09	SOIL	10/11/11	10/13/11		10/20/11
C4129-10	SOIL	10/11/11	10/13/11		10/20/11
C4129-11	SOIL	10/11/11	10/13/11		10/20/11
C4129-12	SOIL	10/11/11	10/13/11		10/21/11
C4129-13	SOIL	10/11/11	10/13/11		10/20/11
C4129-14	SOIL	10/11/11	10/13/11		10/21/11
C4129-15	SOIL	10/11/11	10/13/11		10/20/11
C4129-16	SOIL	10/11/11	10/13/11		10/20/11
C4129-17	SOIL	10/11/11	10/13/11		10/20/11
C4129-18	SOIL	10/11/11	10/13/11		10/20/11
C4129-19	SOIL	10/11/11	10/13/11		10/20/11
C4129-20	SOIL	10/11/11	10/13/11		10/20/11

* Details For Test :VOC-TCLVOA-10

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-III

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C4129-01	Solid	8260B	5035		
C4129-02	Solid	8260B	5035		
C4129-03	Solid	8260B	5035		
C4129-04	Solid	8260B	5035		
C4129-05	Solid	8260B	5035		
C4129-06	Solid	8260B	5035		
C4129-07	Solid	8260B	5035		
C4129-08	Solid	8260B	5035		
C4129-09	Solid	8260B	5035		
C4129-10	Solid	8260B	5035		
C4129-11	Solid	8260B	5035		
C4129-12	Solid	8260B	5035		
C4129-13	Solid	8260B	5035		
C4129-14	Solid	8260B	5035		
C4129-15	Solid	8260B	5035		
C4129-16	Solid	8260B	5035		
C4129-17	Solid	8260B	5035		
C4129-18	Solid	8260B	5035		
C4129-19	Solid	8260B	5035		
C4129-20	Solid	8260B	5035		

FedEx **NEW Package**
Express **US Airbill**

FedEx Tracking Number **8757 2177 0253**

Form **0200** in the

FedEx Retrieval Copy

1 From **Date** **Sender's FedEx Account Number**
10/11/11 1065 14269

Sender's Name **Company**
Ducet Syreuds Hucadis

Address
SSS RT. 146

City **State** **ZIP**
Cliff Park NY 12065

2 Your Internal Billing Reference

3 To **Recipient's Name** **Phone**
Cheu Tech

Company
Cheu Tech

Address
284 Sheffield St.

City **State** **ZIP**
Mahwah NJ 07092

HOLD Monday
HOLD Saturday
HOLD Sunday



0727 0477 0253

4 Express Package Service **Rate** **Service order has changed. Please select carefully.**

01 FedEx First Overnight **02 FedEx Priority Overnight** **03 FedEx Standard Overnight** **04 FedEx 2Day** **05 FedEx Express Saver**

06 FedEx Priority Overnight **07 FedEx Standard Overnight** **08 FedEx 2Day** **09 FedEx Express Saver**

01 FedEx Priority Overnight **02 FedEx Standard Overnight** **03 FedEx 2Day** **04 FedEx Express Saver**

05 FedEx Standard Overnight **06 FedEx 2Day** **07 FedEx Express Saver**

01 FedEx Priority Overnight **02 FedEx Standard Overnight** **03 FedEx 2Day** **04 FedEx Express Saver**

05 FedEx Standard Overnight **06 FedEx 2Day** **07 FedEx Express Saver**

01 FedEx Priority Overnight **02 FedEx Standard Overnight** **03 FedEx 2Day** **04 FedEx Express Saver**

05 FedEx Standard Overnight **06 FedEx 2Day** **07 FedEx Express Saver**

01 FedEx Priority Overnight **02 FedEx Standard Overnight** **03 FedEx 2Day** **04 FedEx Express Saver**

05 FedEx Standard Overnight **06 FedEx 2Day** **07 FedEx Express Saver**

01 FedEx Priority Overnight **02 FedEx Standard Overnight** **03 FedEx 2Day** **04 FedEx Express Saver**

05 FedEx Standard Overnight **06 FedEx 2Day** **07 FedEx Express Saver**

01 FedEx Priority Overnight **02 FedEx Standard Overnight** **03 FedEx 2Day** **04 FedEx Express Saver**

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **C4129**
QUOTE NO.
COC Number **020014**

CLIENT INFORMATION			CLIENT PROJECT INFORMATION			CLIENT BILLING INFORMATION		
REPORT TO BE SENT TO: COMPANY: <u>Arcadis</u> ADDRESS: <u>855 Rt. 146</u> CITY: <u>Clifton Park</u> STATE: <u>NY</u> ZIP: <u>12065</u> ATTENTION: <u>Mark Fische</u> PHONE: <u>518-250-7300</u> FAX: <u>518-250-7301</u>			PROJECT NAME: <u>Chem Sales</u> PROJECT NO. <u>0026673</u> LOCATION: <u>Gates NY</u> PROJECT MANAGER: <u>Dan Long</u> e-mail: <u>dlong@Arcadis-us.com</u> PHONE: _____ FAX: _____			BILL TO: _____ PO#: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____		
DATA TURNAROUND INFORMATION FAX: _____ DAYS * HARD COPY: <u>Standard</u> DAYS * EDD: _____ DAYS * PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD FORMAT _____			ANALYSIS 1 2 3 4 5 6 7 8 9		
CHEMTECH SAMPLE ID PROJECT SAMPLE IDENTIFICATION			SAMPLE MATRIX SAMPLE TYPE SAMPLE COLLECTION # OF BOTTLES					
						PRESERVATIVES 1 2 3 4 5 6 7 8 9		
						COMMENTS ← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other		
1.	SB01	1.5'	So. 1	X	10/11/11	1100	1	X
2.	SB01	6.0'		X		1106	1	X
3.	SB02	3.5'		X		1130	1	X
4.	SB02	7.0'		X		1135	1	X
5.	SB03	1.5'		X		1206	1	X
6.	SB03	6.0'		X		1210	1	X
7.	SB04	3.5'		X		1215	1	X
8.	SB04	6.0'		X		1220	1	X
9.	SB05	3.5'		X		1300	1	X
10.	SB05	7.5'		X		1310	1	X
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY								
RELINQUISHED BY SAMPLER: 1. <u>D. Spurdick</u>			DATE/TIME: <u>10/12/11 1530</u>			RECEIVED BY: 1. <u>[Signature]</u>		
RELINQUISHED BY: 2. _____			DATE/TIME: _____			RECEIVED BY: 2. _____		
RELINQUISHED BY: 3. <u>Fed Ex</u>			DATE/TIME: <u>10/13/11 7:30</u>			RECEIVED FOR LAB BY: 3. <u>[Signature]</u>		
Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments: _____						Cooler Temp. <u>4°C</u> Ice in Cooler?: <u>yes</u>		
Page <u>1</u> of <u>5</u>						SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT		
						Shipment Complete: ☒ YES ☐ NO		

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

020007

C4129

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION											
REPORT TO BE SENT TO: COMPANY: <u>Arcadis</u> ADDRESS: <u>855 Rt. 146</u> CITY: <u>Clifton Park</u> STATE: <u>NY</u> ZIP: <u>12005</u> ATTENTION: <u>Mark Flusche</u> PHONE: <u>518-250-7300</u> FAX: <u>518-250-7301</u>				PROJECT NAME: <u>Chem Sales</u> PROJECT NO: <u>00206393</u> LOCATION: <u>Gates NY</u> PROJECT MANAGER: <u>Dan Lang</u> e-mail: <u>dlang@Arcadis-us.com</u> PHONE: _____ FAX: _____				BILL TO: _____ PO#: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____											
DATA TURNAROUND INFORMATION FAX: _____ DAYS * HARD COPY: <u>Standard</u> DAYS * EDD: _____ DAYS * PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD FORMAT _____				ANALYSIS 8260B TAL L131											
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other		
			COMP	GRAB	DATE	TIME		E	1	2	3	4	5	6	7	8		9	
11.	SB06 1.0'	Soil		X	10/11/11	1335	1	X											
12.	SB06 5.5'			X		1340	1	X											
13.	SB07 1.0'			X		1400	1	X											
14.	SB07 5.5'			X		1410	1	X											
15.	SB08 1.5'			X		1500	1	X											
16.	SB08 6.0'			X		1510	1	X											
17.	SB09 1.5'			X		1520	1	X											
18.	SB09 4.5'			X		1525	1	X											
19.	SB10 1.0'			X		1545	1	X											
20.	SB10 3.0'			X		1550	1	X											
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																			
RELINQUISHED BY SAMPLER: 1. <u>D. Spradlin</u> DATE/TIME: <u>10/12/11 1530</u>				RECEIVED BY: 1. _____				Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid.				Cooler Temp. <u>4°C</u> Ice in Cooler?: <u>Yes</u>							
RELINQUISHED BY: 2. _____ DATE/TIME: _____				RECEIVED BY: 2. _____				Comments: _____											
RELINQUISHED BY: 3. <u>Fed Ex</u> DATE/TIME: <u>7:30</u>				RECEIVED FOR LAB BY: 3. <u>Kar Kwano</u>				Page <u>2</u> of <u>5</u>				SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT							
												Shipment Complete: ☒ YES ☐ NO							

CASE NARRATIVE

Arcadis Inc.

Project Name: Chemical Sales site

Project # N/A

Chemtech Project # C4129

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 10/13/2011.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

Rtx-624SIL MS 30m 0.25mm 1.4um 872456The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for SB04-3.5

[Dibromofluoromethane - 45%], SB06-5.5 [1 and2-Dichloroethane-d4 - 150%].

The Internal Standards Areas met the acceptable requirements except for SB02-3.5, SB02-3.5RE, SB03-1.5, SB03-1.5RE, SB04-3.5, SB05-7.5, SB06-1.0, SB06-5.5 and SB10-3.0.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD recoveries met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID VF029039.D met the requirements except for 2-Hexanone and 1,2,4-Trichlorobenzene but they were not detected in any sample.The Continuous Calibration File ID VT000854.D met the requirements except for Carbon Disulfide but it was not detected in any sample..

The Tuning criteria met requirements.



Samples SB01-1.5, SB04-3.5, SB04-3.5DL, SB05-3.5, SB05-7.5, SB06-1.0, SB06-5.5 and SB10-3.0 were diluted due to high concentrations.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000838.D	1		10/18/11	VT101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.4	U	0.7	5.4	ug/Kg
74-87-3	Chloromethane	5.4	U	0.93	5.4	ug/Kg
75-01-4	Vinyl Chloride	5.4	U	1.3	5.4	ug/Kg
74-83-9	Bromomethane	5.4	U	2.6	5.4	ug/Kg
75-00-3	Chloroethane	5.4	U	1.5	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	5.4	U	1.4	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U	1.4	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	5.4	U	1.6	5.4	ug/Kg
67-64-1	Acetone	27	U	3.3	27	ug/Kg
75-15-0	Carbon Disulfide	5.4	U	1.1	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.4	U	1	5.4	ug/Kg
79-20-9	Methyl Acetate	5.4	U	1.6	5.4	ug/Kg
75-09-2	Methylene Chloride	5.4	U	1.5	5.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.4	U	0.75	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	5.4	U	1	5.4	ug/Kg
110-82-7	Cyclohexane	5.4	U	1.1	5.4	ug/Kg
78-93-3	2-Butanone	27	U	3.4	27	ug/Kg
56-23-5	Carbon Tetrachloride	5.4	U	1.1	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	9.2		0.96	5.4	ug/Kg
67-66-3	Chloroform	5.4	U	0.8	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	13		0.95	5.4	ug/Kg
108-87-2	Methylcyclohexane	5.4	U	1.1	5.4	ug/Kg
71-43-2	Benzene	5.4	U	0.41	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.4	U	0.69	5.4	ug/Kg
79-01-6	Trichloroethene	5.4	U	0.93	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.4	U	0.28	5.4	ug/Kg
75-27-4	Bromodichloromethane	5.4	U	0.67	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27	U	3.2	27	ug/Kg
108-88-3	Toluene	5.4	U	0.69	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.4	U	0.85	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.4	U	0.78	5.4	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000838.D	1		10/18/11	VT101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.4	U	0.97	5.4	ug/Kg
591-78-6	2-Hexanone	27	U	4.2	27	ug/Kg
124-48-1	Dibromochloromethane	5.4	U	0.58	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	5.4	U	0.69	5.4	ug/Kg
127-18-4	Tetrachloroethene	250	E	1.1	5.4	ug/Kg
108-90-7	Chlorobenzene	5.4	U	0.54	5.4	ug/Kg
100-41-4	Ethyl Benzene	5.4	U	0.67	5.4	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.78	11	ug/Kg
95-47-6	o-Xylene	5.4	U	0.74	5.4	ug/Kg
100-42-5	Styrene	5.4	U	0.49	5.4	ug/Kg
75-25-2	Bromoform	5.4	U	0.8	5.4	ug/Kg
98-82-8	Isopropylbenzene	5.4	U	0.52	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U	0.5	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.4	U	0.4	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.4	U	0.44	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.4	U	0.67	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.4	U	0.94	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.4	U	0.76	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	44.7		67 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.6		33 - 141	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	523105	8.06			
540-36-3	1,4-Difluorobenzene	888911	8.96			
3114-55-4	Chlorobenzene-d5	465693	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	198441	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.08	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000838.D	1		10/18/11	VT101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-1.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-01DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	0.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029051.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	28	U	3.6	28	ug/Kg
74-87-3	Chloromethane	28	U	4.8	28	ug/Kg
75-01-4	Vinyl Chloride	28	U	6.9	28	ug/Kg
74-83-9	Bromomethane	28	U	14	28	ug/Kg
75-00-3	Chloroethane	28	U	7.8	28	ug/Kg
75-69-4	Trichlorofluoromethane	28	U	7.4	28	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	28	U	7.5	28	ug/Kg
75-35-4	1,1-Dichloroethene	28	U	8.2	28	ug/Kg
67-64-1	Acetone	140	U	17	140	ug/Kg
75-15-0	Carbon Disulfide	28	U	5.9	28	ug/Kg
1634-04-4	Methyl tert-butyl Ether	28	U	5.4	28	ug/Kg
79-20-9	Methyl Acetate	28	U	8.5	28	ug/Kg
75-09-2	Methylene Chloride	28	U	8	28	ug/Kg
156-60-5	trans-1,2-Dichloroethene	28	U	3.9	28	ug/Kg
75-34-3	1,1-Dichloroethane	28	U	5.3	28	ug/Kg
110-82-7	Cyclohexane	28	U	5.7	28	ug/Kg
78-93-3	2-Butanone	140	U	17	140	ug/Kg
56-23-5	Carbon Tetrachloride	28	U	5.6	28	ug/Kg
156-59-2	cis-1,2-Dichloroethene	13	JD	5	28	ug/Kg
67-66-3	Chloroform	28	U	4.1	28	ug/Kg
71-55-6	1,1,1-Trichloroethane	16	JD	4.9	28	ug/Kg
108-87-2	Methylcyclohexane	28	U	5.9	28	ug/Kg
71-43-2	Benzene	28	U	2.1	28	ug/Kg
107-06-2	1,2-Dichloroethane	28	U	3.6	28	ug/Kg
79-01-6	Trichloroethene	28	U	4.8	28	ug/Kg
78-87-5	1,2-Dichloropropane	28	U	1.5	28	ug/Kg
75-27-4	Bromodichloromethane	28	U	3.5	28	ug/Kg
108-10-1	4-Methyl-2-Pentanone	140	U	16	140	ug/Kg
108-88-3	Toluene	28	U	3.6	28	ug/Kg
10061-02-6	t-1,3-Dichloropropene	28	U	4.4	28	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	28	U	4	28	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-1.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-01DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	0.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029051.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	28	U	5	28	ug/Kg
591-78-6	2-Hexanone	140	U	22	140	ug/Kg
124-48-1	Dibromochloromethane	28	U	3	28	ug/Kg
106-93-4	1,2-Dibromoethane	28	U	3.6	28	ug/Kg
127-18-4	Tetrachloroethene	350	D	5.7	28	ug/Kg
108-90-7	Chlorobenzene	28	U	2.8	28	ug/Kg
100-41-4	Ethyl Benzene	28	U	3.5	28	ug/Kg
179601-23-1	m/p-Xylenes	56	U	4	56	ug/Kg
95-47-6	o-Xylene	28	U	3.8	28	ug/Kg
100-42-5	Styrene	28	U	2.5	28	ug/Kg
75-25-2	Bromoform	28	U	4.1	28	ug/Kg
98-82-8	Isopropylbenzene	28	U	2.7	28	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	28	U	2.6	28	ug/Kg
541-73-1	1,3-Dichlorobenzene	28	U	2.1	28	ug/Kg
106-46-7	1,4-Dichlorobenzene	28	U	2.3	28	ug/Kg
95-50-1	1,2-Dichlorobenzene	28	U	3.5	28	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	28	U	4.9	28	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	28	U	3.9	28	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	46.6		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		33 - 141	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	299124	4.39			
540-36-3	1,4-Difluorobenzene	442382	5.13			
3114-55-4	Chlorobenzene-d5	422045	9.34			
3855-82-1	1,4-Dichlorobenzene-d4	236213	12.26			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-1.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-01DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	0.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029051.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029049.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.2	U	0.8	6.2	ug/Kg
74-87-3	Chloromethane	6.2	U	1.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	6.2	U	1.5	6.2	ug/Kg
74-83-9	Bromomethane	6.2	U	3	6.2	ug/Kg
75-00-3	Chloroethane	6.2		1.7	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	6.2	U	1.6	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.2	U	1.6	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	6.2	U	1.8	6.2	ug/Kg
67-64-1	Acetone	31	U	3.7	31	ug/Kg
75-15-0	Carbon Disulfide	6.2	U	1.3	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.2	U	1.2	6.2	ug/Kg
79-20-9	Methyl Acetate	6.2	U	1.9	6.2	ug/Kg
75-09-2	Methylene Chloride	6.2	U	1.7	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.2	U	0.85	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	13		1.2	6.2	ug/Kg
110-82-7	Cyclohexane	6.2	U	1.2	6.2	ug/Kg
78-93-3	2-Butanone	31	U	3.8	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	1.2	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21		1.1	6.2	ug/Kg
67-66-3	Chloroform	6.2	U	0.91	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	1.3	6.2	ug/Kg
71-43-2	Benzene	6.2	U	0.47	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	6.2	U	0.79	6.2	ug/Kg
79-01-6	Trichloroethene	6.2	U	1.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	6.2	U	0.32	6.2	ug/Kg
75-27-4	Bromodichloromethane	6.2	U	0.76	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	6.2	U	0.79	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.2	U	0.97	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.2	U	0.89	6.2	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029049.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
591-78-6	2-Hexanone	31	U	4.8	31	ug/Kg
124-48-1	Dibromochloromethane	6.2	U	0.67	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	6.2	U	0.79	6.2	ug/Kg
127-18-4	Tetrachloroethene	6.2	U	1.2	6.2	ug/Kg
108-90-7	Chlorobenzene	6.2	U	0.62	6.2	ug/Kg
100-41-4	Ethyl Benzene	6.2	U	0.76	6.2	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.89	12	ug/Kg
95-47-6	o-Xylene	6.2	U	0.84	6.2	ug/Kg
100-42-5	Styrene	6.2	U	0.55	6.2	ug/Kg
75-25-2	Bromoform	6.2	U	0.91	6.2	ug/Kg
98-82-8	Isopropylbenzene	6.2	U	0.59	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	0.57	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.2	U	0.46	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.2	U	0.51	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.2	U	0.76	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	1.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.2	U	0.86	6.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.6		56 - 120	79%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	47.7		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271039	4.39			
540-36-3	1,4-Difluorobenzene	388150	5.13			
3114-55-4	Chlorobenzene-d5	375739	9.35			
3855-82-1	1,4-Dichlorobenzene-d4	230324	12.25			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB01-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5.01	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029049.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000840.D	1		10/18/11	VT101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.3	U	0.69	5.3	ug/Kg
74-87-3	Chloromethane	5.3	U	0.91	5.3	ug/Kg
75-01-4	Vinyl Chloride	5.3	U	1.3	5.3	ug/Kg
74-83-9	Bromomethane	5.3	U	2.6	5.3	ug/Kg
75-00-3	Chloroethane	5.3	U	1.5	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	5.3	U	1.4	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U	1.4	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	5.3	U	1.6	5.3	ug/Kg
67-64-1	Acetone	26	U	3.2	26	ug/Kg
75-15-0	Carbon Disulfide	5.3	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	1	5.3	ug/Kg
79-20-9	Methyl Acetate	5.3	U	1.6	5.3	ug/Kg
75-09-2	Methylene Chloride	5.3	U	1.5	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.3	U	0.73	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	3.1	J	0.99	5.3	ug/Kg
110-82-7	Cyclohexane	5.3	U	1.1	5.3	ug/Kg
78-93-3	2-Butanone	26	U	3.3	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	1	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	10		0.94	5.3	ug/Kg
67-66-3	Chloroform	5.3	U	0.78	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	18		0.93	5.3	ug/Kg
108-87-2	Methylcyclohexane	5.3	U	1.1	5.3	ug/Kg
71-43-2	Benzene	5.3	U	0.4	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	5.3	U	0.68	5.3	ug/Kg
79-01-6	Trichloroethene	16		0.91	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	0.27	5.3	ug/Kg
75-27-4	Bromodichloromethane	5.3	U	0.65	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3.1	26	ug/Kg
108-88-3	Toluene	5.3	U	0.68	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	0.83	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.3	U	0.76	5.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000840.D	1		10/18/11	VT101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.3	U	0.95	5.3	ug/Kg
591-78-6	2-Hexanone	26	U	4.1	26	ug/Kg
124-48-1	Dibromochloromethane	5.3	U	0.57	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	5.3	U	0.68	5.3	ug/Kg
127-18-4	Tetrachloroethene	51		1.1	5.3	ug/Kg
108-90-7	Chlorobenzene	5.3	U	0.53	5.3	ug/Kg
100-41-4	Ethyl Benzene	5.3	U	0.65	5.3	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.76	11	ug/Kg
95-47-6	o-Xylene	5.3	U	0.72	5.3	ug/Kg
100-42-5	Styrene	5.3	U	0.47	5.3	ug/Kg
75-25-2	Bromoform	5.3	U	0.78	5.3	ug/Kg
98-82-8	Isopropylbenzene	5.3	U	0.51	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	0.49	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.3	U	0.39	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.3	U	0.43	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.3	U	0.65	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	0.92	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.3	U	0.74	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	43.3		67 - 123	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	30		33 - 141	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	523456	8.05			
540-36-3	1,4-Difluorobenzene	882985	8.96			
3114-55-4	Chlorobenzene-d5	418552	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	141319	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	4.99	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000840.D	1		10/18/11	VT101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-3.5RE	SDG No.:	C4129
Lab Sample ID:	C4129-03RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029050.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.2	U	0.67	5.2	ug/Kg
74-87-3	Chloromethane	5.2	U	0.89	5.2	ug/Kg
75-01-4	Vinyl Chloride	5.2	U	1.3	5.2	ug/Kg
74-83-9	Bromomethane	5.2	U	2.5	5.2	ug/Kg
75-00-3	Chloroethane	5.2	U	1.5	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	5.2	U	1.4	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.2	U	1.4	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	5.2	U	1.5	5.2	ug/Kg
67-64-1	Acetone	26	U	3.1	26	ug/Kg
75-15-0	Carbon Disulfide	5.2	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.2	U	0.99	5.2	ug/Kg
79-20-9	Methyl Acetate	5.2	U	1.6	5.2	ug/Kg
75-09-2	Methylene Chloride	5.2	U	1.5	5.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.2	U	0.71	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	J	0.97	5.2	ug/Kg
110-82-7	Cyclohexane	5.2	U	1	5.2	ug/Kg
78-93-3	2-Butanone	26	U	3.2	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.2	U	1	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	9.1		0.92	5.2	ug/Kg
67-66-3	Chloroform	5.2	U	0.77	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	14		0.91	5.2	ug/Kg
108-87-2	Methylcyclohexane	5.2	U	1.1	5.2	ug/Kg
71-43-2	Benzene	5.2	U	0.39	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	5.2	U	0.66	5.2	ug/Kg
79-01-6	Trichloroethene	13		0.89	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	5.2	U	0.27	5.2	ug/Kg
75-27-4	Bromodichloromethane	5.2	U	0.64	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3	26	ug/Kg
108-88-3	Toluene	5.2	U	0.66	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.2	U	0.82	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.2	U	0.75	5.2	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-3.5RE	SDG No.:	C4129
Lab Sample ID:	C4129-03RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029050.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.2	U	0.93	5.2	ug/Kg
591-78-6	2-Hexanone	26	U	4.1	26	ug/Kg
124-48-1	Dibromochloromethane	5.2	U	0.56	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	5.2	U	0.66	5.2	ug/Kg
127-18-4	Tetrachloroethene	54		1	5.2	ug/Kg
108-90-7	Chlorobenzene	5.2	U	0.52	5.2	ug/Kg
100-41-4	Ethyl Benzene	5.2	U	0.64	5.2	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.75	10	ug/Kg
95-47-6	o-Xylene	5.2	U	0.7	5.2	ug/Kg
100-42-5	Styrene	5.2	U	0.47	5.2	ug/Kg
75-25-2	Bromoform	5.2	U	0.77	5.2	ug/Kg
98-82-8	Isopropylbenzene	5.2	U	0.5	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U	0.48	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.2	U	0.38	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.2	U	0.42	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.2	U	0.64	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U	0.9	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.2	U	0.73	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.2		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	43.3		67 - 123	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.9		33 - 141	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279700	4.38			
540-36-3	1,4-Difluorobenzene	419088	5.13			
3114-55-4	Chlorobenzene-d5	325231	9.34			
3855-82-1	1,4-Dichlorobenzene-d4	115666	12.26			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-3.5RE	SDG No.:	C4129
Lab Sample ID:	C4129-03RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029050.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-7.0	SDG No.:	C4129
Lab Sample ID:	C4129-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000857.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.3	U	0.81	6.3	ug/Kg
74-87-3	Chloromethane	6.3	U	1.1	6.3	ug/Kg
75-01-4	Vinyl Chloride	6.3	U	1.5	6.3	ug/Kg
74-83-9	Bromomethane	6.3	U	3.1	6.3	ug/Kg
75-00-3	Chloroethane	6.3	U	1.8	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	6.3	U	1.7	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.3	U	1.7	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	6.3	U	1.8	6.3	ug/Kg
67-64-1	Acetone	31	U	3.8	31	ug/Kg
75-15-0	Carbon Disulfide	6.3	U	1.3	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.3	U	1.2	6.3	ug/Kg
79-20-9	Methyl Acetate	6.3	U	1.9	6.3	ug/Kg
75-09-2	Methylene Chloride	6.3	U	1.8	6.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.3	U	0.86	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	6.3	U	1.2	6.3	ug/Kg
110-82-7	Cyclohexane	6.3	U	1.3	6.3	ug/Kg
78-93-3	2-Butanone	31	U	3.9	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.3	U	1.2	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.3	U	1.1	6.3	ug/Kg
67-66-3	Chloroform	6.3	U	0.93	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.3	U	1.1	6.3	ug/Kg
108-87-2	Methylcyclohexane	6.3	U	1.3	6.3	ug/Kg
71-43-2	Benzene	6.3	U	0.48	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	6.3	U	0.8	6.3	ug/Kg
79-01-6	Trichloroethene	6.3	U	1.1	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	6.3	U	0.33	6.3	ug/Kg
75-27-4	Bromodichloromethane	6.3	U	0.78	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.7	31	ug/Kg
108-88-3	Toluene	6.3	U	0.8	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.3	U	0.99	6.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.3	U	0.9	6.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-7.0	SDG No.:	C4129
Lab Sample ID:	C4129-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000857.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.3	U	1.1	6.3	ug/Kg
591-78-6	2-Hexanone	31	U	4.9	31	ug/Kg
124-48-1	Dibromochloromethane	6.3	U	0.68	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	6.3	U	0.8	6.3	ug/Kg
127-18-4	Tetrachloroethene	6.3	U	1.3	6.3	ug/Kg
108-90-7	Chlorobenzene	6.3	U	0.63	6.3	ug/Kg
100-41-4	Ethyl Benzene	6.3	U	0.78	6.3	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.9	13	ug/Kg
95-47-6	o-Xylene	6.3	U	0.85	6.3	ug/Kg
100-42-5	Styrene	6.3	U	0.56	6.3	ug/Kg
75-25-2	Bromoform	6.3	U	0.93	6.3	ug/Kg
98-82-8	Isopropylbenzene	6.3	U	0.6	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U	0.58	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.3	U	0.46	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.3	U	0.51	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.3	U	0.78	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.3	U	1.1	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.3	U	0.88	6.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	44.9		67 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		33 - 141	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	501956	8.05			
540-36-3	1,4-Difluorobenzene	863058	8.96			
3114-55-4	Chlorobenzene-d5	497889	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	288946	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB02-7.0	SDG No.:	C4129
Lab Sample ID:	C4129-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.99	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000857.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000858.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.3	U	0.69	5.3	ug/Kg
74-87-3	Chloromethane	5.3	U	0.91	5.3	ug/Kg
75-01-4	Vinyl Chloride	5.3	U	1.3	5.3	ug/Kg
74-83-9	Bromomethane	5.3	U	2.6	5.3	ug/Kg
75-00-3	Chloroethane	5.3	U	1.5	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	5.3	U	1.4	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U	1.4	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	5.3	U	1.6	5.3	ug/Kg
67-64-1	Acetone	26	U	3.2	26	ug/Kg
75-15-0	Carbon Disulfide	5.3	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	1	5.3	ug/Kg
79-20-9	Methyl Acetate	5.3	U	1.6	5.3	ug/Kg
75-09-2	Methylene Chloride	5.3	U	1.5	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.3	U	0.73	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	4.1	J	0.99	5.3	ug/Kg
110-82-7	Cyclohexane	5.3	U	1.1	5.3	ug/Kg
78-93-3	2-Butanone	26	U	3.3	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	1	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	9.9		0.94	5.3	ug/Kg
67-66-3	Chloroform	5.3	U	0.78	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.1		0.93	5.3	ug/Kg
108-87-2	Methylcyclohexane	5.3	U	1.1	5.3	ug/Kg
71-43-2	Benzene	5.3	U	0.4	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	5.3	U	0.68	5.3	ug/Kg
79-01-6	Trichloroethene	66		0.91	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	0.27	5.3	ug/Kg
75-27-4	Bromodichloromethane	5.3	U	0.66	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3.1	26	ug/Kg
108-88-3	Toluene	5.3	U	0.68	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	0.83	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.3	U	0.76	5.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000858.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.3	U	0.95	5.3	ug/Kg
591-78-6	2-Hexanone	26	U	4.1	26	ug/Kg
124-48-1	Dibromochloromethane	5.3	U	0.57	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	5.3	U	0.68	5.3	ug/Kg
127-18-4	Tetrachloroethene	44		1.1	5.3	ug/Kg
108-90-7	Chlorobenzene	5.3	U	0.53	5.3	ug/Kg
100-41-4	Ethyl Benzene	5.3	U	0.66	5.3	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.76	11	ug/Kg
95-47-6	o-Xylene	5.3	U	0.72	5.3	ug/Kg
100-42-5	Styrene	5.3	U	0.48	5.3	ug/Kg
75-25-2	Bromoform	5.3	U	0.78	5.3	ug/Kg
98-82-8	Isopropylbenzene	5.3	U	0.51	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	0.49	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.3	U	0.39	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.3	U	0.43	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.3	U	0.66	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	0.92	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.3	U	0.74	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		56 - 120	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51		57 - 135	102%	SPK: 50
2037-26-5	Toluene-d8	44		67 - 123	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.2		33 - 141	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	477318	8.05			
540-36-3	1,4-Difluorobenzene	821030	8.96			
3114-55-4	Chlorobenzene-d5	409035	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	146625	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	4.98	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000858.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-1.5RE	SDG No.:	C4129
Lab Sample ID:	C4129-05RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000880.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.2	U	0.68	5.2	ug/Kg
74-87-3	Chloromethane	5.2	U	0.9	5.2	ug/Kg
75-01-4	Vinyl Chloride	5.2	U	1.3	5.2	ug/Kg
74-83-9	Bromomethane	5.2	U	2.6	5.2	ug/Kg
75-00-3	Chloroethane	5.2	U	1.5	5.2	ug/Kg
75-69-4	Trichlorofluoromethane	5.2	U	1.4	5.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.2	U	1.4	5.2	ug/Kg
75-35-4	1,1-Dichloroethene	5.2	U	1.5	5.2	ug/Kg
67-64-1	Acetone	26	U	3.2	26	ug/Kg
75-15-0	Carbon Disulfide	5.2	U	1.1	5.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.2	U	1	5.2	ug/Kg
79-20-9	Methyl Acetate	5.2	U	1.6	5.2	ug/Kg
75-09-2	Methylene Chloride	5.2	U	1.5	5.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.2	U	0.72	5.2	ug/Kg
75-34-3	1,1-Dichloroethane	3.2	J	0.98	5.2	ug/Kg
110-82-7	Cyclohexane	5.2	U	1.1	5.2	ug/Kg
78-93-3	2-Butanone	26	U	3.2	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.2	U	1	5.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.9		0.93	5.2	ug/Kg
67-66-3	Chloroform	5.2	U	0.77	5.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.8	J	0.92	5.2	ug/Kg
108-87-2	Methylcyclohexane	5.2	U	1.1	5.2	ug/Kg
71-43-2	Benzene	5.2	U	0.4	5.2	ug/Kg
107-06-2	1,2-Dichloroethane	5.2	U	0.67	5.2	ug/Kg
79-01-6	Trichloroethene	59		0.9	5.2	ug/Kg
78-87-5	1,2-Dichloropropane	5.2	U	0.27	5.2	ug/Kg
75-27-4	Bromodichloromethane	5.2	U	0.65	5.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3	26	ug/Kg
108-88-3	Toluene	5.2	U	0.67	5.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.2	U	0.82	5.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.2	U	0.75	5.2	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-1.5RE	SDG No.:	C4129
Lab Sample ID:	C4129-05RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000880.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.2	U	0.94	5.2	ug/Kg
591-78-6	2-Hexanone	26	U	4.1	26	ug/Kg
124-48-1	Dibromochloromethane	5.2	U	0.56	5.2	ug/Kg
106-93-4	1,2-Dibromoethane	5.2	U	0.67	5.2	ug/Kg
127-18-4	Tetrachloroethene	39		1.1	5.2	ug/Kg
108-90-7	Chlorobenzene	5.2	U	0.52	5.2	ug/Kg
100-41-4	Ethyl Benzene	5.2	U	0.65	5.2	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.75	10	ug/Kg
95-47-6	o-Xylene	5.2	U	0.71	5.2	ug/Kg
100-42-5	Styrene	5.2	U	0.47	5.2	ug/Kg
75-25-2	Bromoform	5.2	U	0.77	5.2	ug/Kg
98-82-8	Isopropylbenzene	5.2	U	0.5	5.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U	0.48	5.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.2	U	0.39	5.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.2	U	0.43	5.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.2	U	0.65	5.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U	0.91	5.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.2	U	0.73	5.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.6		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	43		67 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.5		33 - 141	67%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	571335	8.06			
540-36-3	1,4-Difluorobenzene	919818	8.96			
3114-55-4	Chlorobenzene-d5	445758	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	168249	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-1.5RE	SDG No.:	C4129
Lab Sample ID:	C4129-05RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	5
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000880.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000859.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.1	U	0.79	6.1	ug/Kg
74-87-3	Chloromethane	6.1	U	1	6.1	ug/Kg
75-01-4	Vinyl Chloride	6.1	U	1.5	6.1	ug/Kg
74-83-9	Bromomethane	6.1	U	3	6.1	ug/Kg
75-00-3	Chloroethane	6.1	U	1.7	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	6.1	U	1.6	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	1.6	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	1.8	6.1	ug/Kg
67-64-1	Acetone	30	U	3.7	30	ug/Kg
75-15-0	Carbon Disulfide	6.1	U	1.3	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	1.2	6.1	ug/Kg
79-20-9	Methyl Acetate	6.1	U	1.8	6.1	ug/Kg
75-09-2	Methylene Chloride	6.1	U	1.7	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.1	U	0.84	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	6.1	U	1.1	6.1	ug/Kg
110-82-7	Cyclohexane	6.1	U	1.2	6.1	ug/Kg
78-93-3	2-Butanone	30	U	3.8	30	ug/Kg
56-23-5	Carbon Tetrachloride	6.1	U	1.2	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.1	U	1.1	6.1	ug/Kg
67-66-3	Chloroform	6.1	U	0.9	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
108-87-2	Methylcyclohexane	6.1	U	1.3	6.1	ug/Kg
71-43-2	Benzene	6.1	U	0.46	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	6.1	U	0.78	6.1	ug/Kg
79-01-6	Trichloroethene	6.1	U	1	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	6.1	U	0.32	6.1	ug/Kg
75-27-4	Bromodichloromethane	6.1	U	0.76	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	3.6	30	ug/Kg
108-88-3	Toluene	6.1	U	0.78	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.1	U	0.96	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.1	U	0.88	6.1	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000859.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
591-78-6	2-Hexanone	30	U	4.8	30	ug/Kg
124-48-1	Dibromochloromethane	6.1	U	0.66	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	6.1	U	0.78	6.1	ug/Kg
127-18-4	Tetrachloroethene	6.1	U	1.2	6.1	ug/Kg
108-90-7	Chlorobenzene	6.1	U	0.61	6.1	ug/Kg
100-41-4	Ethyl Benzene	6.1	U	0.76	6.1	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.88	12	ug/Kg
95-47-6	o-Xylene	6.1	U	0.83	6.1	ug/Kg
100-42-5	Styrene	6.1	U	0.55	6.1	ug/Kg
75-25-2	Bromoform	6.1	U	0.9	6.1	ug/Kg
98-82-8	Isopropylbenzene	6.1	U	0.59	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	0.56	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.1	U	0.45	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.1	U	0.5	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.1	U	0.76	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	1.1	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.1	U	0.85	6.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		56 - 120	101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	45.6		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		33 - 141	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	542762	8.05			
540-36-3	1,4-Difluorobenzene	946503	8.96			
3114-55-4	Chlorobenzene-d5	527702	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	296103	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB03-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5.06	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000859.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000887.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.4	U	0.71	5.4	ug/Kg
74-87-3	Chloromethane	5.4	U	0.94	5.4	ug/Kg
75-01-4	Vinyl Chloride	5.4	U	1.3	5.4	ug/Kg
74-83-9	Bromomethane	5.4	U	2.7	5.4	ug/Kg
75-00-3	Chloroethane	5.4	U	1.5	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	5.4	U	1.4	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.4	U	1.4	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	600	E	1.6	5.4	ug/Kg
67-64-1	Acetone	27	U	3.3	27	ug/Kg
75-15-0	Carbon Disulfide	5.4	U	1.2	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.4	U	1	5.4	ug/Kg
79-20-9	Methyl Acetate	5.4	U	1.6	5.4	ug/Kg
75-09-2	Methylene Chloride	3.5	J	1.5	5.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17		0.75	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	230	E	1	5.4	ug/Kg
110-82-7	Cyclohexane	5.4	U	1.1	5.4	ug/Kg
78-93-3	2-Butanone	27	U	3.4	27	ug/Kg
56-23-5	Carbon Tetrachloride	5.4	U	1.1	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2900	E	0.97	5.4	ug/Kg
67-66-3	Chloroform	5.4	U	0.81	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5800	E	0.96	5.4	ug/Kg
108-87-2	Methylcyclohexane	5.4	U	1.2	5.4	ug/Kg
71-43-2	Benzene	5.4	U	0.41	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.4	J	0.7	5.4	ug/Kg
79-01-6	Trichloroethene	200	E	0.94	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.4	U	0.28	5.4	ug/Kg
75-27-4	Bromodichloromethane	5.4	U	0.67	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27	U	3.2	27	ug/Kg
108-88-3	Toluene	27		0.7	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.4	U	0.86	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.4	U	0.78	5.4	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000887.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	47		0.98	5.4	ug/Kg
591-78-6	2-Hexanone	27	U	4.3	27	ug/Kg
124-48-1	Dibromochloromethane	5.4	U	0.59	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	5.4	U	0.7	5.4	ug/Kg
127-18-4	Tetrachloroethene	280	E	1.1	5.4	ug/Kg
108-90-7	Chlorobenzene	5.4	U	0.54	5.4	ug/Kg
100-41-4	Ethyl Benzene	5.4	U	0.67	5.4	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.78	11	ug/Kg
95-47-6	o-Xylene	5.4	U	0.74	5.4	ug/Kg
100-42-5	Styrene	5.4	U	0.49	5.4	ug/Kg
75-25-2	Bromoform	5.4	U	0.81	5.4	ug/Kg
98-82-8	Isopropylbenzene	5.4	U	0.52	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	J	0.5	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.4	U	0.4	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.4	U	0.45	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.4	U	0.67	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.3	J	0.95	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.4	U	0.76	5.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.6		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	22.5	*	57 - 135	45%	SPK: 50
2037-26-5	Toluene-d8	39.4		67 - 123	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.6		33 - 141	63%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	587250	8.06			
540-36-3	1,4-Difluorobenzene	913606	8.96			
3114-55-4	Chlorobenzene-d5	408039	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	157766	13.62			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	3.6	J		15.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.6	J		15.57	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000887.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-07DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043911.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	550	U	60	550	ug/Kg
74-87-3	Chloromethane	550	U	59	550	ug/Kg
75-01-4	Vinyl Chloride	550	U	37	550	ug/Kg
74-83-9	Bromomethane	550	U	68	550	ug/Kg
75-00-3	Chloroethane	550	U	72	550	ug/Kg
75-69-4	Trichlorofluoromethane	550	U	38	550	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	550	U	49	550	ug/Kg
75-35-4	1,1-Dichloroethene	760	D	52	550	ug/Kg
67-64-1	Acetone	2700	U	300	2700	ug/Kg
75-15-0	Carbon Disulfide	550	U	59	550	ug/Kg
1634-04-4	Methyl tert-butyl Ether	550	U	38	550	ug/Kg
79-20-9	Methyl Acetate	550	U	91	550	ug/Kg
75-09-2	Methylene Chloride	550	U	45	550	ug/Kg
156-60-5	trans-1,2-Dichloroethene	550	U	45	550	ug/Kg
75-34-3	1,1-Dichloroethane	760	D	39	550	ug/Kg
110-82-7	Cyclohexane	550	U	60	550	ug/Kg
78-93-3	2-Butanone	2700	U	140	2700	ug/Kg
56-23-5	Carbon Tetrachloride	550	U	68	550	ug/Kg
156-59-2	cis-1,2-Dichloroethene	10000	D	38	550	ug/Kg
67-66-3	Chloroform	550	U	37	550	ug/Kg
71-55-6	1,1,1-Trichloroethane	79000	ED	44	550	ug/Kg
108-87-2	Methylcyclohexane	550	U	75	550	ug/Kg
71-43-2	Benzene	550	U	35	550	ug/Kg
107-06-2	1,2-Dichloroethane	550	U	53	550	ug/Kg
79-01-6	Trichloroethene	860	D	31	550	ug/Kg
78-87-5	1,2-Dichloropropane	550	U	50	550	ug/Kg
75-27-4	Bromodichloromethane	550	U	39	550	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2700	U	230	2700	ug/Kg
108-88-3	Toluene	340	JD	41	550	ug/Kg
10061-02-6	t-1,3-Dichloropropene	550	U	32	550	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	550	U	34	550	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-07DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043911.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	550	U	42	550	ug/Kg
591-78-6	2-Hexanone	2700	U	210	2700	ug/Kg
124-48-1	Dibromochloromethane	550	U	57	550	ug/Kg
106-93-4	1,2-Dibromoethane	550	U	45	550	ug/Kg
127-18-4	Tetrachloroethene	2900	D	30	550	ug/Kg
108-90-7	Chlorobenzene	550	U	54	550	ug/Kg
100-41-4	Ethyl Benzene	550	U	58	550	ug/Kg
179601-23-1	m/p-Xylenes	1100	U	100	1100	ug/Kg
95-47-6	o-Xylene	550	U	47	550	ug/Kg
100-42-5	Styrene	550	U	39	550	ug/Kg
75-25-2	Bromoform	550	U	52	550	ug/Kg
98-82-8	Isopropylbenzene	550	U	49	550	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	550	U	34	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	47	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	35	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	550	U	49	550	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	550	U	50	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	550	U	68	550	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	51.4		67 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		33 - 141	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1059930	4.86			
540-36-3	1,4-Difluorobenzene	1681550	5.56			
3114-55-4	Chlorobenzene-d5	1568820	9.63			
3855-82-1	1,4-Dichlorobenzene-d4	995884	12.41			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-07DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043911.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5DL2	SDG No.:	C4129
Lab Sample ID:	C4129-07DL2	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043930.D	10		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5500	U	600	5500	ug/Kg
74-87-3	Chloromethane	5500	U	590	5500	ug/Kg
75-01-4	Vinyl Chloride	5500	U	370	5500	ug/Kg
74-83-9	Bromomethane	5500	U	680	5500	ug/Kg
75-00-3	Chloroethane	5500	U	720	5500	ug/Kg
75-69-4	Trichlorofluoromethane	5500	U	380	5500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5500	U	490	5500	ug/Kg
75-35-4	1,1-Dichloroethene	5500	U	520	5500	ug/Kg
67-64-1	Acetone	27000	U	3000	27000	ug/Kg
75-15-0	Carbon Disulfide	5500	U	590	5500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5500	U	380	5500	ug/Kg
79-20-9	Methyl Acetate	5500	U	910	5500	ug/Kg
75-09-2	Methylene Chloride	5500	U	450	5500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5500	U	450	5500	ug/Kg
75-34-3	1,1-Dichloroethane	5500	U	390	5500	ug/Kg
110-82-7	Cyclohexane	5500	U	600	5500	ug/Kg
78-93-3	2-Butanone	27000	U	1400	27000	ug/Kg
56-23-5	Carbon Tetrachloride	5500	U	680	5500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6700	D	380	5500	ug/Kg
67-66-3	Chloroform	5500	U	370	5500	ug/Kg
71-55-6	1,1,1-Trichloroethane	49000	D	440	5500	ug/Kg
108-87-2	Methylcyclohexane	5500	U	750	5500	ug/Kg
71-43-2	Benzene	5500	U	350	5500	ug/Kg
107-06-2	1,2-Dichloroethane	5500	U	530	5500	ug/Kg
79-01-6	Trichloroethene	5500	U	310	5500	ug/Kg
78-87-5	1,2-Dichloropropane	5500	U	500	5500	ug/Kg
75-27-4	Bromodichloromethane	5500	U	390	5500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27000	U	2300	27000	ug/Kg
108-88-3	Toluene	5500	U	410	5500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5500	U	320	5500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5500	U	340	5500	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5DL2	SDG No.:	C4129
Lab Sample ID:	C4129-07DL2	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043930.D	10		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5500	U	420	5500	ug/Kg
591-78-6	2-Hexanone	27000	U	2100	27000	ug/Kg
124-48-1	Dibromochloromethane	5500	U	570	5500	ug/Kg
106-93-4	1,2-Dibromoethane	5500	U	450	5500	ug/Kg
127-18-4	Tetrachloroethene	5500	U	300	5500	ug/Kg
108-90-7	Chlorobenzene	5500	U	540	5500	ug/Kg
100-41-4	Ethyl Benzene	5500	U	580	5500	ug/Kg
179601-23-1	m/p-Xylenes	11000	U	1000	11000	ug/Kg
95-47-6	o-Xylene	5500	U	470	5500	ug/Kg
100-42-5	Styrene	5500	U	390	5500	ug/Kg
75-25-2	Bromoform	5500	U	520	5500	ug/Kg
98-82-8	Isopropylbenzene	5500	U	490	5500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5500	U	340	5500	ug/Kg
541-73-1	1,3-Dichlorobenzene	5500	U	470	5500	ug/Kg
106-46-7	1,4-Dichlorobenzene	5500	U	350	5500	ug/Kg
95-50-1	1,2-Dichlorobenzene	5500	U	490	5500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5500	U	500	5500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5500	U	680	5500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	488		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	463		57 - 135	93%	SPK: 50
2037-26-5	Toluene-d8	517		67 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	558		33 - 141	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1089640	4.87			
540-36-3	1,4-Difluorobenzene	1754130	5.57			
3114-55-4	Chlorobenzene-d5	1722230	9.65			
3855-82-1	1,4-Dichlorobenzene-d4	1066220	12.42			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-3.5DL2	SDG No.:	C4129
Lab Sample ID:	C4129-07DL2	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043930.D	10		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-08	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000894.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.2	U	0.81	6.2	ug/Kg
74-87-3	Chloromethane	6.2	U	1.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	6.2	U	1.5	6.2	ug/Kg
74-83-9	Bromomethane	6.2	U	3	6.2	ug/Kg
75-00-3	Chloroethane	6.2	U	1.7	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	6.2	U	1.6	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.2	U	1.7	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	6.2	U	1.8	6.2	ug/Kg
67-64-1	Acetone	20	J	3.8	31	ug/Kg
75-15-0	Carbon Disulfide	6.2	U	1.3	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.2	U	1.2	6.2	ug/Kg
79-20-9	Methyl Acetate	6.2	U	1.9	6.2	ug/Kg
75-09-2	Methylene Chloride	6.2	U	1.8	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.2	U	0.86	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	6.2	U	1.2	6.2	ug/Kg
110-82-7	Cyclohexane	6.2	U	1.3	6.2	ug/Kg
78-93-3	2-Butanone	31	U	3.9	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	1.2	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.2	U	1.1	6.2	ug/Kg
67-66-3	Chloroform	6.2	U	0.92	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	1.3	6.2	ug/Kg
71-43-2	Benzene	6.2	U	0.47	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	6.2	U	0.8	6.2	ug/Kg
79-01-6	Trichloroethene	6.2	U	1.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	6.2	U	0.32	6.2	ug/Kg
75-27-4	Bromodichloromethane	6.2	U	0.77	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	6.2	U	0.8	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.2	U	0.98	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.2	U	0.9	6.2	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-08	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000894.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
591-78-6	2-Hexanone	31	U	4.9	31	ug/Kg
124-48-1	Dibromochloromethane	6.2	U	0.67	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	6.2	U	0.8	6.2	ug/Kg
127-18-4	Tetrachloroethene	6.2	U	1.3	6.2	ug/Kg
108-90-7	Chlorobenzene	6.2	U	0.62	6.2	ug/Kg
100-41-4	Ethyl Benzene	6.2	U	0.77	6.2	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.9	12	ug/Kg
95-47-6	o-Xylene	6.2	U	0.85	6.2	ug/Kg
100-42-5	Styrene	6.2	U	0.56	6.2	ug/Kg
75-25-2	Bromoform	6.2	U	0.92	6.2	ug/Kg
98-82-8	Isopropylbenzene	6.2	U	0.6	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	0.57	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.2	U	0.46	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.2	U	0.51	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.2	U	0.77	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	1.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.2	U	0.87	6.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	45.5		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	481718	8.05			
540-36-3	1,4-Difluorobenzene	826475	8.95			
3114-55-4	Chlorobenzene-d5	487123	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	287335	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB04-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-08	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.9	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000894.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-09	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000860.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.5	U	0.72	5.5	ug/Kg
74-87-3	Chloromethane	5.5	U	0.95	5.5	ug/Kg
75-01-4	Vinyl Chloride	5.5	U	1.4	5.5	ug/Kg
74-83-9	Bromomethane	5.5	U	2.7	5.5	ug/Kg
75-00-3	Chloroethane	5.5	U	1.5	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	5.5	U	1.5	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.5	U	1.5	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	5.5	U	1.6	5.5	ug/Kg
67-64-1	Acetone	28	U	3.3	28	ug/Kg
75-15-0	Carbon Disulfide	5.5	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.5	U	1.1	5.5	ug/Kg
79-20-9	Methyl Acetate	5.5	U	1.7	5.5	ug/Kg
75-09-2	Methylene Chloride	2.8	J	1.6	5.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.8		0.76	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	18		1	5.5	ug/Kg
110-82-7	Cyclohexane	5.5	U	1.1	5.5	ug/Kg
78-93-3	2-Butanone	28	U	3.4	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.5	U	1.1	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	380	E	0.98	5.5	ug/Kg
67-66-3	Chloroform	5.5	U	0.81	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	58		0.97	5.5	ug/Kg
108-87-2	Methylcyclohexane	5.5	U	1.2	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	5.5	U	0.7	5.5	ug/Kg
79-01-6	Trichloroethene	51		0.95	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	5.5	U	0.29	5.5	ug/Kg
75-27-4	Bromodichloromethane	5.5	U	0.68	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.2	28	ug/Kg
108-88-3	Toluene	6.6		0.7	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.5	U	0.87	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.5	U	0.79	5.5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-09	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000860.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.5	U	0.99	5.5	ug/Kg
591-78-6	2-Hexanone	28	U	4.3	28	ug/Kg
124-48-1	Dibromochloromethane	5.5	U	0.59	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	5.5	U	0.7	5.5	ug/Kg
127-18-4	Tetrachloroethene	570	E	1.1	5.5	ug/Kg
108-90-7	Chlorobenzene	5.5	U	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	31		0.68	5.5	ug/Kg
179601-23-1	m/p-Xylenes	70		0.79	11	ug/Kg
95-47-6	o-Xylene	130	E	0.75	5.5	ug/Kg
100-42-5	Styrene	3.9	J	0.5	5.5	ug/Kg
75-25-2	Bromoform	5.5	U	0.81	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	0.51	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.5	U	0.41	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.5	U	0.45	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.5	U	0.68	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	0.96	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.5	U	0.77	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		56 - 120	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	45.8		67 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.5		33 - 141	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	563650	8.05			
540-36-3	1,4-Difluorobenzene	924545	8.96			
3114-55-4	Chlorobenzene-d5	495338	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	217698	13.62			
TENTATIVE IDENTIFIED COMPOUNDS						
000611-14-3	Benzene, 1-ethyl-2-methyl-	24	J		12.95	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	26	J		13.02	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	38	J		13.33	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-3.5	SDG No.:	C4129
Lab Sample ID:	C4129-09	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000860.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
	unknown13.82	290	J		13.82	ug/Kg

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-3.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-09DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.95 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043931.D	10		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5600	U	610	5600	ug/Kg
74-87-3	Chloromethane	5600	U	600	5600	ug/Kg
75-01-4	Vinyl Chloride	5600	U	380	5600	ug/Kg
74-83-9	Bromomethane	5600	U	690	5600	ug/Kg
75-00-3	Chloroethane	5600	U	730	5600	ug/Kg
75-69-4	Trichlorofluoromethane	5600	U	390	5600	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5600	U	500	5600	ug/Kg
75-35-4	1,1-Dichloroethene	5600	U	520	5600	ug/Kg
67-64-1	Acetone	28000	U	3100	28000	ug/Kg
75-15-0	Carbon Disulfide	5600	U	600	5600	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5600	U	390	5600	ug/Kg
79-20-9	Methyl Acetate	5600	U	920	5600	ug/Kg
75-09-2	Methylene Chloride	5600	U	460	5600	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5600	U	460	5600	ug/Kg
75-34-3	1,1-Dichloroethane	5600	U	400	5600	ug/Kg
110-82-7	Cyclohexane	5600	U	610	5600	ug/Kg
78-93-3	2-Butanone	28000	U	1500	28000	ug/Kg
56-23-5	Carbon Tetrachloride	5600	U	690	5600	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18000	D	390	5600	ug/Kg
67-66-3	Chloroform	5600	U	380	5600	ug/Kg
71-55-6	1,1,1-Trichloroethane	11000	D	440	5600	ug/Kg
108-87-2	Methylcyclohexane	5600	U	750	5600	ug/Kg
71-43-2	Benzene	5600	U	360	5600	ug/Kg
107-06-2	1,2-Dichloroethane	5600	U	530	5600	ug/Kg
79-01-6	Trichloroethene	3800	JD	310	5600	ug/Kg
78-87-5	1,2-Dichloropropane	5600	U	510	5600	ug/Kg
75-27-4	Bromodichloromethane	5600	U	400	5600	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28000	U	2300	28000	ug/Kg
108-88-3	Toluene	5600	U	410	5600	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5600	U	320	5600	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5600	U	340	5600	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-3.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-09DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.95 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043931.D	10		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5600	U	420	5600	ug/Kg
591-78-6	2-Hexanone	28000	U	2200	28000	ug/Kg
124-48-1	Dibromochloromethane	5600	U	580	5600	ug/Kg
106-93-4	1,2-Dibromoethane	5600	U	460	5600	ug/Kg
127-18-4	Tetrachloroethene	31000	D	300	5600	ug/Kg
108-90-7	Chlorobenzene	5600	U	540	5600	ug/Kg
100-41-4	Ethyl Benzene	5600	U	590	5600	ug/Kg
179601-23-1	m/p-Xylenes	11000	U	1100	11000	ug/Kg
95-47-6	o-Xylene	5600	U	480	5600	ug/Kg
100-42-5	Styrene	5600	U	400	5600	ug/Kg
75-25-2	Bromoform	5600	U	520	5600	ug/Kg
98-82-8	Isopropylbenzene	5600	U	500	5600	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5600	U	340	5600	ug/Kg
541-73-1	1,3-Dichlorobenzene	5600	U	480	5600	ug/Kg
106-46-7	1,4-Dichlorobenzene	5600	U	360	5600	ug/Kg
95-50-1	1,2-Dichlorobenzene	5600	U	500	5600	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5600	U	510	5600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5600	U	690	5600	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	482		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	470		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	492		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	572		33 - 141	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1105290	4.87			
540-36-3	1,4-Difluorobenzene	1767570	5.57			
3114-55-4	Chlorobenzene-d5	1739010	9.64			
3855-82-1	1,4-Dichlorobenzene-d4	1041970	12.42			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-3.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-09DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.95 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043931.D	10		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-7.5	SDG No.:	C4129
Lab Sample ID:	C4129-10	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000861.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.6	U	0.73	5.6	ug/Kg
74-87-3	Chloromethane	5.6	U	0.97	5.6	ug/Kg
75-01-4	Vinyl Chloride	5.6	U	1.4	5.6	ug/Kg
74-83-9	Bromomethane	5.6	U	2.8	5.6	ug/Kg
75-00-3	Chloroethane	5.6	U	1.6	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	5.6	U	1.5	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U	1.5	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	5.6	U	1.7	5.6	ug/Kg
67-64-1	Acetone	28	U	3.4	28	ug/Kg
75-15-0	Carbon Disulfide	5.6	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.6	U	1.1	5.6	ug/Kg
79-20-9	Methyl Acetate	5.6	U	1.7	5.6	ug/Kg
75-09-2	Methylene Chloride	2.7	J	1.6	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.6	U	0.78	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	8.6		1.1	5.6	ug/Kg
110-82-7	Cyclohexane	5.6	U	1.1	5.6	ug/Kg
78-93-3	2-Butanone	28	U	3.5	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.6	U	1.1	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	110		1	5.6	ug/Kg
67-66-3	Chloroform	5.6	U	0.83	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	23		0.99	5.6	ug/Kg
108-87-2	Methylcyclohexane	5.6	U	1.2	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.43	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	5.6	U	0.72	5.6	ug/Kg
79-01-6	Trichloroethene	18		0.97	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	0.29	5.6	ug/Kg
75-27-4	Bromodichloromethane	5.6	U	0.7	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.3	28	ug/Kg
108-88-3	Toluene	5.6	U	0.72	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.6	U	0.89	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.6	U	0.81	5.6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-7.5	SDG No.:	C4129
Lab Sample ID:	C4129-10	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000861.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.6	U	1	5.6	ug/Kg
591-78-6	2-Hexanone	28	U	4.4	28	ug/Kg
124-48-1	Dibromochloromethane	5.6	U	0.61	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	5.6	U	0.72	5.6	ug/Kg
127-18-4	Tetrachloroethene	460	E	1.1	5.6	ug/Kg
108-90-7	Chlorobenzene	5.6	U	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.7	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.81	11	ug/Kg
95-47-6	o-Xylene	5.6	U	0.77	5.6	ug/Kg
100-42-5	Styrene	5.6	U	0.51	5.6	ug/Kg
75-25-2	Bromoform	5.6	U	0.83	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.54	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	0.52	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.6	U	0.42	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.6	U	0.46	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.6	U	0.7	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	0.98	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.6	U	0.79	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	43.9		67 - 123	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.6		33 - 141	59%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	574695	8.05			
540-36-3	1,4-Difluorobenzene	955302	8.96			
3114-55-4	Chlorobenzene-d5	460555	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	152960	13.62			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown13.82	41	J		13.82	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-7.5	SDG No.:	C4129
Lab Sample ID:	C4129-10	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	4.98	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000861.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-7.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-10DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043932.D	1		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	560	U	61	560	ug/Kg
74-87-3	Chloromethane	560	U	60	560	ug/Kg
75-01-4	Vinyl Chloride	560	U	38	560	ug/Kg
74-83-9	Bromomethane	560	U	69	560	ug/Kg
75-00-3	Chloroethane	560	U	73	560	ug/Kg
75-69-4	Trichlorofluoromethane	560	U	39	560	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	560	U	50	560	ug/Kg
75-35-4	1,1-Dichloroethene	560	U	52	560	ug/Kg
67-64-1	Acetone	2800	U	310	2800	ug/Kg
75-15-0	Carbon Disulfide	560	U	60	560	ug/Kg
1634-04-4	Methyl tert-butyl Ether	560	U	39	560	ug/Kg
79-20-9	Methyl Acetate	560	U	92	560	ug/Kg
75-09-2	Methylene Chloride	560	U	46	560	ug/Kg
156-60-5	trans-1,2-Dichloroethene	560	U	46	560	ug/Kg
75-34-3	1,1-Dichloroethane	560	U	40	560	ug/Kg
110-82-7	Cyclohexane	560	U	61	560	ug/Kg
78-93-3	2-Butanone	2800	U	150	2800	ug/Kg
56-23-5	Carbon Tetrachloride	560	U	69	560	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2100	D	39	560	ug/Kg
67-66-3	Chloroform	560	U	38	560	ug/Kg
71-55-6	1,1,1-Trichloroethane	1100	D	44	560	ug/Kg
108-87-2	Methylcyclohexane	560	U	76	560	ug/Kg
71-43-2	Benzene	560	U	36	560	ug/Kg
107-06-2	1,2-Dichloroethane	560	U	53	560	ug/Kg
79-01-6	Trichloroethene	440	JD	31	560	ug/Kg
78-87-5	1,2-Dichloropropane	560	U	51	560	ug/Kg
75-27-4	Bromodichloromethane	560	U	40	560	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2800	U	230	2800	ug/Kg
108-88-3	Toluene	560	U	41	560	ug/Kg
10061-02-6	t-1,3-Dichloropropene	560	U	32	560	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	560	U	34	560	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-7.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-10DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043932.D	1		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	560	U	42	560	ug/Kg
591-78-6	2-Hexanone	2800	U	220	2800	ug/Kg
124-48-1	Dibromochloromethane	560	U	58	560	ug/Kg
106-93-4	1,2-Dibromoethane	560	U	46	560	ug/Kg
127-18-4	Tetrachloroethene	4900	D	30	560	ug/Kg
108-90-7	Chlorobenzene	560	U	55	560	ug/Kg
100-41-4	Ethyl Benzene	560	U	59	560	ug/Kg
179601-23-1	m/p-Xylenes	1100	U	110	1100	ug/Kg
95-47-6	o-Xylene	560	U	48	560	ug/Kg
100-42-5	Styrene	560	U	40	560	ug/Kg
75-25-2	Bromoform	560	U	52	560	ug/Kg
98-82-8	Isopropylbenzene	560	U	50	560	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	560	U	34	560	ug/Kg
541-73-1	1,3-Dichlorobenzene	560	U	48	560	ug/Kg
106-46-7	1,4-Dichlorobenzene	560	U	36	560	ug/Kg
95-50-1	1,2-Dichlorobenzene	560	U	50	560	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	560	U	51	560	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	560	U	69	560	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	44.3		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	50.4		67 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	57		33 - 141	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1112750	4.85			
540-36-3	1,4-Difluorobenzene	1799050	5.56			
3114-55-4	Chlorobenzene-d5	1774010	9.64			
3855-82-1	1,4-Dichlorobenzene-d4	1083030	12.41			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB05-7.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-10DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043932.D	1		10/24/11	VH102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-11	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000862.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.7	U	0.87	6.7	ug/Kg
74-87-3	Chloromethane	6.7	U	1.2	6.7	ug/Kg
75-01-4	Vinyl Chloride	4	J	1.6	6.7	ug/Kg
74-83-9	Bromomethane	6.7	U	3.3	6.7	ug/Kg
75-00-3	Chloroethane	190	E	1.9	6.7	ug/Kg
75-69-4	Trichlorofluoromethane	6.7	U	1.8	6.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.7	U	1.8	6.7	ug/Kg
75-35-4	1,1-Dichloroethene	15		2	6.7	ug/Kg
67-64-1	Acetone	25	J	4.1	34	ug/Kg
75-15-0	Carbon Disulfide	6.7	U	1.4	6.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.7	U	1.3	6.7	ug/Kg
79-20-9	Methyl Acetate	6.7	U	2	6.7	ug/Kg
75-09-2	Methylene Chloride	24		1.9	6.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	23		0.93	6.7	ug/Kg
75-34-3	1,1-Dichloroethane	220	E	1.3	6.7	ug/Kg
110-82-7	Cyclohexane	810	E	1.4	6.7	ug/Kg
78-93-3	2-Butanone	34	U	4.2	34	ug/Kg
56-23-5	Carbon Tetrachloride	6.7	U	1.3	6.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	350	E	1.2	6.7	ug/Kg
67-66-3	Chloroform	6.7	U	0.99	6.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	340	E	1.2	6.7	ug/Kg
108-87-2	Methylcyclohexane	980	E	1.4	6.7	ug/Kg
71-43-2	Benzene	6.7	U	0.51	6.7	ug/Kg
107-06-2	1,2-Dichloroethane	6.7	U	0.86	6.7	ug/Kg
79-01-6	Trichloroethene	8.5		1.2	6.7	ug/Kg
78-87-5	1,2-Dichloropropane	6.7	U	0.35	6.7	ug/Kg
75-27-4	Bromodichloromethane	6.7	U	0.83	6.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	34	U	3.9	34	ug/Kg
108-88-3	Toluene	380	E	0.86	6.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.7	U	1.1	6.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.7	U	0.97	6.7	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-11	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000862.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.7	U	1.2	6.7	ug/Kg
591-78-6	2-Hexanone	34	U	5.3	34	ug/Kg
124-48-1	Dibromochloromethane	6.7	U	0.72	6.7	ug/Kg
106-93-4	1,2-Dibromoethane	6.7	U	0.86	6.7	ug/Kg
127-18-4	Tetrachloroethene	400	E	1.4	6.7	ug/Kg
108-90-7	Chlorobenzene	6.7	U	0.67	6.7	ug/Kg
100-41-4	Ethyl Benzene	14		0.83	6.7	ug/Kg
179601-23-1	m/p-Xylenes	26		0.97	13	ug/Kg
95-47-6	o-Xylene	31		0.91	6.7	ug/Kg
100-42-5	Styrene	6.7	U	0.6	6.7	ug/Kg
75-25-2	Bromoform	6.7	U	0.99	6.7	ug/Kg
98-82-8	Isopropylbenzene	11		0.64	6.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.7	U	0.62	6.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.7	U	0.5	6.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.7	U	0.55	6.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.7	U	0.83	6.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.7	U	1.2	6.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.7	U	0.94	6.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		56 - 120	117%	SPK: 50
1868-53-7	Dibromofluoromethane	41.5		57 - 135	83%	SPK: 50
2037-26-5	Toluene-d8	38.1		67 - 123	76%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.9		33 - 141	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	473431	8.06			
540-36-3	1,4-Difluorobenzene	1031130	8.96			
3114-55-4	Chlorobenzene-d5	480935	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	156798	13.63			
TENTATIVE IDENTIFIED COMPOUNDS						
005911-04-6	Nonane, 3-methyl-	180	J		12.43	ug/Kg
103-65-1	n-propylbenzene	9.2	J		12.88	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	36	J		13.02	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-11	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000862.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
017312-50-4	Decane, 2,5-dimethyl-	540	J		13.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	34	J		13.33	ug/Kg
017302-23-7	Nonane, 4,5-dimethyl-	250	J		13.45	ug/Kg
018344-37-1	Heptadecane, 2,6,10,14-tetramethyl	210	J		13.73	ug/Kg
000544-76-3	Hexadecane	280	J		13.8	ug/Kg
017301-22-3	Undecane, 2,5-dimethyl-	380	J		13.93	ug/Kg
000765-38-8	2-Methylpyrrolidine	410	J		13.98	ug/Kg
	unknown14.04	170	J		14.04	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	210	J		14.14	ug/Kg
001632-70-8	Undecane, 5-methyl-	290	J		14.17	ug/Kg

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-1.0DL	SDG No.:	C4129
Lab Sample ID:	C4129-11DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043914.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	660	U	73	660	ug/Kg
74-87-3	Chloromethane	660	U	71	660	ug/Kg
75-01-4	Vinyl Chloride	660	U	45	660	ug/Kg
74-83-9	Bromomethane	660	U	82	660	ug/Kg
75-00-3	Chloroethane	700	D	87	660	ug/Kg
75-69-4	Trichlorofluoromethane	660	U	46	660	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	660	U	59	660	ug/Kg
75-35-4	1,1-Dichloroethene	660	U	62	660	ug/Kg
67-64-1	Acetone	3300	U	360	3300	ug/Kg
75-15-0	Carbon Disulfide	660	U	71	660	ug/Kg
1634-04-4	Methyl tert-butyl Ether	660	U	46	660	ug/Kg
79-20-9	Methyl Acetate	660	U	110	660	ug/Kg
75-09-2	Methylene Chloride	660	U	54	660	ug/Kg
156-60-5	trans-1,2-Dichloroethene	660	U	54	660	ug/Kg
75-34-3	1,1-Dichloroethane	1100	D	48	660	ug/Kg
110-82-7	Cyclohexane	9800	D	73	660	ug/Kg
78-93-3	2-Butanone	3300	U	170	3300	ug/Kg
56-23-5	Carbon Tetrachloride	660	U	82	660	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2300	D	46	660	ug/Kg
67-66-3	Chloroform	660	U	45	660	ug/Kg
71-55-6	1,1,1-Trichloroethane	1600	D	53	660	ug/Kg
108-87-2	Methylcyclohexane	8700	D	90	660	ug/Kg
71-43-2	Benzene	660	U	42	660	ug/Kg
107-06-2	1,2-Dichloroethane	660	U	63	660	ug/Kg
79-01-6	Trichloroethene	660	U	37	660	ug/Kg
78-87-5	1,2-Dichloropropane	660	U	61	660	ug/Kg
75-27-4	Bromodichloromethane	660	U	48	660	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3300	U	280	3300	ug/Kg
108-88-3	Toluene	3100	D	49	660	ug/Kg
10061-02-6	t-1,3-Dichloropropene	660	U	38	660	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	660	U	41	660	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-1.0DL	SDG No.:	C4129
Lab Sample ID:	C4129-11DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043914.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	660	U	50	660	ug/Kg
591-78-6	2-Hexanone	3300	U	260	3300	ug/Kg
124-48-1	Dibromochloromethane	660	U	69	660	ug/Kg
106-93-4	1,2-Dibromoethane	660	U	54	660	ug/Kg
127-18-4	Tetrachloroethene	1400	D	36	660	ug/Kg
108-90-7	Chlorobenzene	660	U	65	660	ug/Kg
100-41-4	Ethyl Benzene	660	U	70	660	ug/Kg
179601-23-1	m/p-Xylenes	1300	U	130	1300	ug/Kg
95-47-6	o-Xylene	660	U	57	660	ug/Kg
100-42-5	Styrene	660	U	48	660	ug/Kg
75-25-2	Bromoform	660	U	62	660	ug/Kg
98-82-8	Isopropylbenzene	660	U	59	660	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	660	U	41	660	ug/Kg
541-73-1	1,3-Dichlorobenzene	660	U	57	660	ug/Kg
106-46-7	1,4-Dichlorobenzene	660	U	42	660	ug/Kg
95-50-1	1,2-Dichlorobenzene	660	U	59	660	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	660	U	61	660	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	660	U	82	660	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.4		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	46.2		57 - 135	92%	SPK: 50
2037-26-5	Toluene-d8	49		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		33 - 141	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1303350	4.86			
540-36-3	1,4-Difluorobenzene	2046720	5.56			
3114-55-4	Chlorobenzene-d5	1865420	9.64			
3855-82-1	1,4-Dichlorobenzene-d4	1087750	12.42			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-5.5	SDG No.:	C4129
Lab Sample ID:	C4129-12	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000895.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.6	U	0.85	6.6	ug/Kg
74-87-3	Chloromethane	6.6	U	1.1	6.6	ug/Kg
75-01-4	Vinyl Chloride	7.7		1.6	6.6	ug/Kg
74-83-9	Bromomethane	6.6	U	3.2	6.6	ug/Kg
75-00-3	Chloroethane	40		1.8	6.6	ug/Kg
75-69-4	Trichlorofluoromethane	6.6	U	1.7	6.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.6	U	1.7	6.6	ug/Kg
75-35-4	1,1-Dichloroethene	10		1.9	6.6	ug/Kg
67-64-1	Acetone	99		4	33	ug/Kg
75-15-0	Carbon Disulfide	4.4	J	1.4	6.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.6	U	1.3	6.6	ug/Kg
79-20-9	Methyl Acetate	6.6	U	2	6.6	ug/Kg
75-09-2	Methylene Chloride	13		1.9	6.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	9.8		0.91	6.6	ug/Kg
75-34-3	1,1-Dichloroethane	75		1.2	6.6	ug/Kg
110-82-7	Cyclohexane	2300	E	1.3	6.6	ug/Kg
78-93-3	2-Butanone	33	U	4.1	33	ug/Kg
56-23-5	Carbon Tetrachloride	6.6	U	1.3	6.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	150	E	1.2	6.6	ug/Kg
67-66-3	Chloroform	6.6	U	0.97	6.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	96		1.2	6.6	ug/Kg
108-87-2	Methylcyclohexane	1700	E	1.4	6.6	ug/Kg
71-43-2	Benzene	6.6	U	0.5	6.6	ug/Kg
107-06-2	1,2-Dichloroethane	6.6	U	0.84	6.6	ug/Kg
79-01-6	Trichloroethene	4.7	J	1.1	6.6	ug/Kg
78-87-5	1,2-Dichloropropane	6.6	U	0.34	6.6	ug/Kg
75-27-4	Bromodichloromethane	6.6	U	0.82	6.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	33	U	3.8	33	ug/Kg
108-88-3	Toluene	1300	E	0.84	6.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.6	U	1	6.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.6	U	0.95	6.6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-5.5	SDG No.:	C4129
Lab Sample ID:	C4129-12	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000895.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.6	U	1.2	6.6	ug/Kg
591-78-6	2-Hexanone	33	U	5.2	33	ug/Kg
124-48-1	Dibromochloromethane	6.6	U	0.71	6.6	ug/Kg
106-93-4	1,2-Dibromoethane	6.6	U	0.84	6.6	ug/Kg
127-18-4	Tetrachloroethene	70		1.3	6.6	ug/Kg
108-90-7	Chlorobenzene	6.6	U	0.66	6.6	ug/Kg
100-41-4	Ethyl Benzene	30		0.82	6.6	ug/Kg
179601-23-1	m/p-Xylenes	55		0.95	13	ug/Kg
95-47-6	o-Xylene	59		0.89	6.6	ug/Kg
100-42-5	Styrene	6.6	U	0.59	6.6	ug/Kg
75-25-2	Bromoform	6.6	U	0.97	6.6	ug/Kg
98-82-8	Isopropylbenzene	26		0.63	6.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U	0.6	6.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.6	U	0.49	6.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.6	U	0.54	6.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.6	U	0.82	6.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.6	U	1.1	6.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.6	U	0.92	6.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	74.9	*	56 - 120	150%	SPK: 50
1868-53-7	Dibromofluoromethane	41.5		57 - 135	83%	SPK: 50
2037-26-5	Toluene-d8	41.8		67 - 123	84%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		33 - 141	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317544	8.06			
540-36-3	1,4-Difluorobenzene	850177	8.96			
3114-55-4	Chlorobenzene-d5	483548	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	196712	13.63			
TENTATIVE IDENTIFIED COMPOUNDS						
062108-23-0	Decane, 2,5,6-trimethyl-	1000	J		12.18	ug/Kg
015869-94-0	Octane, 3,6-dimethyl-	330	J		12.36	ug/Kg
015869-93-9	Octane, 3,5-dimethyl-	750	J		12.44	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-5.5	SDG No.:	C4129
Lab Sample ID:	C4129-12	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000895.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
020278-89-1	Heptane, 3,4,5-trimethyl-	1200	J		12.61	ug/Kg
000112-95-8	Eicosane	400	J		12.81	ug/Kg
103-65-1	n-propylbenzene	25	J		12.89	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	86	J		13.03	ug/Kg
054166-32-4	Octane, 2,6,6-trimethyl-	260	J		13.11	ug/Kg
004032-93-3	Heptane, 2,3,6-trimethyl-	700	J		13.21	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	120	J		13.33	ug/Kg
135-98-8	sec-Butylbenzene	3.1	J		13.47	ug/Kg
99-87-6	p-Isopropyltoluene	4.0	J		13.58	ug/Kg
017312-80-0	Undecane, 2,4-dimethyl-	370	J		13.79	ug/Kg
005911-04-6	Nonane, 3-methyl-	350	J		13.92	ug/Kg
024468-13-1	dl-2-Ethylhexyl chloroformate	350	J		13.97	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-5.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-12DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043915.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	660	U	73	660	ug/Kg
74-87-3	Chloromethane	660	U	71	660	ug/Kg
75-01-4	Vinyl Chloride	660	U	45	660	ug/Kg
74-83-9	Bromomethane	660	U	82	660	ug/Kg
75-00-3	Chloroethane	660	U	87	660	ug/Kg
75-69-4	Trichlorofluoromethane	660	U	46	660	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	660	U	59	660	ug/Kg
75-35-4	1,1-Dichloroethene	660	U	62	660	ug/Kg
67-64-1	Acetone	3300	U	360	3300	ug/Kg
75-15-0	Carbon Disulfide	660	U	71	660	ug/Kg
1634-04-4	Methyl tert-butyl Ether	660	U	46	660	ug/Kg
79-20-9	Methyl Acetate	660	U	110	660	ug/Kg
75-09-2	Methylene Chloride	660	U	54	660	ug/Kg
156-60-5	trans-1,2-Dichloroethene	660	U	54	660	ug/Kg
75-34-3	1,1-Dichloroethane	660	U	48	660	ug/Kg
110-82-7	Cyclohexane	7100	D	73	660	ug/Kg
78-93-3	2-Butanone	3300	U	170	3300	ug/Kg
56-23-5	Carbon Tetrachloride	660	U	82	660	ug/Kg
156-59-2	cis-1,2-Dichloroethene	730	D	46	660	ug/Kg
67-66-3	Chloroform	660	U	45	660	ug/Kg
71-55-6	1,1,1-Trichloroethane	660	U	53	660	ug/Kg
108-87-2	Methylcyclohexane	6700	D	90	660	ug/Kg
71-43-2	Benzene	660	U	42	660	ug/Kg
107-06-2	1,2-Dichloroethane	660	U	63	660	ug/Kg
79-01-6	Trichloroethene	660	U	37	660	ug/Kg
78-87-5	1,2-Dichloropropane	660	U	61	660	ug/Kg
75-27-4	Bromodichloromethane	660	U	48	660	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3300	U	280	3300	ug/Kg
108-88-3	Toluene	3600	D	49	660	ug/Kg
10061-02-6	t-1,3-Dichloropropene	660	U	38	660	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	660	U	41	660	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-5.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-12DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043915.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	660	U	50	660	ug/Kg
591-78-6	2-Hexanone	3300	U	260	3300	ug/Kg
124-48-1	Dibromochloromethane	660	U	69	660	ug/Kg
106-93-4	1,2-Dibromoethane	660	U	54	660	ug/Kg
127-18-4	Tetrachloroethene	660	U	36	660	ug/Kg
108-90-7	Chlorobenzene	660	U	65	660	ug/Kg
100-41-4	Ethyl Benzene	660	U	70	660	ug/Kg
179601-23-1	m/p-Xylenes	1300	U	130	1300	ug/Kg
95-47-6	o-Xylene	660	U	57	660	ug/Kg
100-42-5	Styrene	660	U	48	660	ug/Kg
75-25-2	Bromoform	660	U	62	660	ug/Kg
98-82-8	Isopropylbenzene	660	U	59	660	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	660	U	41	660	ug/Kg
541-73-1	1,3-Dichlorobenzene	660	U	57	660	ug/Kg
106-46-7	1,4-Dichlorobenzene	660	U	42	660	ug/Kg
95-50-1	1,2-Dichlorobenzene	660	U	59	660	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	660	U	61	660	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	660	U	82	660	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.6		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		57 - 135	93%	SPK: 50
2037-26-5	Toluene-d8	49		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		33 - 141	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1305760	4.86			
540-36-3	1,4-Difluorobenzene	2074610	5.56			
3114-55-4	Chlorobenzene-d5	1884890	9.64			
3855-82-1	1,4-Dichlorobenzene-d4	1169460	12.42			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB06-5.5DL	SDG No.:	C4129
Lab Sample ID:	C4129-12DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	25
Sample Wt/Vol:	5.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH043915.D	1		10/23/11	VH102311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB07-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	3
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000866.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.1	U	0.66	5.1	ug/Kg
74-87-3	Chloromethane	5.1	U	0.88	5.1	ug/Kg
75-01-4	Vinyl Chloride	5.1	U	1.3	5.1	ug/Kg
74-83-9	Bromomethane	5.1	U	2.5	5.1	ug/Kg
75-00-3	Chloroethane	5.1	U	1.4	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	5.1	U	1.3	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.1	U	1.4	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	5.1	U	1.5	5.1	ug/Kg
67-64-1	Acetone	26	U	3.1	26	ug/Kg
75-15-0	Carbon Disulfide	5.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.1	U	0.98	5.1	ug/Kg
79-20-9	Methyl Acetate	5.1	U	1.5	5.1	ug/Kg
75-09-2	Methylene Chloride	5.1	U	1.4	5.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.1	U	0.7	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	5.1	U	0.96	5.1	ug/Kg
110-82-7	Cyclohexane	5.1	U	1	5.1	ug/Kg
78-93-3	2-Butanone	26	U	3.2	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.1	U	1	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.2	J	0.91	5.1	ug/Kg
67-66-3	Chloroform	5.1	U	0.76	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	14		0.9	5.1	ug/Kg
108-87-2	Methylcyclohexane	5.1	U	1.1	5.1	ug/Kg
71-43-2	Benzene	5.1	U	0.39	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	5.1	U	0.65	5.1	ug/Kg
79-01-6	Trichloroethene	5.1	U	0.88	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	5.1	U	0.27	5.1	ug/Kg
75-27-4	Bromodichloromethane	5.1	U	0.63	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3	26	ug/Kg
108-88-3	Toluene	5.1	U	0.65	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.1	U	0.81	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.1	U	0.73	5.1	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB07-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	3
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000866.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.1	U	0.92	5.1	ug/Kg
591-78-6	2-Hexanone	26	U	4	26	ug/Kg
124-48-1	Dibromochloromethane	5.1	U	0.55	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	5.1	U	0.65	5.1	ug/Kg
127-18-4	Tetrachloroethene	4.6	J	1	5.1	ug/Kg
108-90-7	Chlorobenzene	5.1	U	0.51	5.1	ug/Kg
100-41-4	Ethyl Benzene	5.1	U	0.63	5.1	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.73	10	ug/Kg
95-47-6	o-Xylene	5.1	U	0.69	5.1	ug/Kg
100-42-5	Styrene	5.1	U	0.46	5.1	ug/Kg
75-25-2	Bromoform	5.1	U	0.76	5.1	ug/Kg
98-82-8	Isopropylbenzene	5.1	U	0.49	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U	0.47	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.1	U	0.38	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.1	U	0.42	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.1	U	0.63	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.1	U	0.89	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.1	U	0.71	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	44.9		67 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		33 - 141	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	615773	8.05			
540-36-3	1,4-Difluorobenzene	1036100	8.96			
3114-55-4	Chlorobenzene-d5	562356	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	267592	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB07-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	3
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000866.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB07-5.5	SDG No.:	C4129
Lab Sample ID:	C4129-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000893.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.3	U	0.82	6.3	ug/Kg
74-87-3	Chloromethane	6.3	U	1.1	6.3	ug/Kg
75-01-4	Vinyl Chloride	6.3	U	1.6	6.3	ug/Kg
74-83-9	Bromomethane	6.3	U	3.1	6.3	ug/Kg
75-00-3	Chloroethane	6.3	U	1.8	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	6.3	U	1.7	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.3	U	1.7	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	6.3	U	1.9	6.3	ug/Kg
67-64-1	Acetone	32	U	3.8	32	ug/Kg
75-15-0	Carbon Disulfide	6.3	U	1.3	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.3	U	1.2	6.3	ug/Kg
79-20-9	Methyl Acetate	6.3	U	1.9	6.3	ug/Kg
75-09-2	Methylene Chloride	6.3	U	1.8	6.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.3	U	0.87	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	6.3	U	1.2	6.3	ug/Kg
110-82-7	Cyclohexane	6.3	U	1.3	6.3	ug/Kg
78-93-3	2-Butanone	32	U	3.9	32	ug/Kg
56-23-5	Carbon Tetrachloride	6.3	U	1.3	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.3	U	1.1	6.3	ug/Kg
67-66-3	Chloroform	6.3	U	0.94	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.3	U	1.1	6.3	ug/Kg
108-87-2	Methylcyclohexane	6.3	U	1.3	6.3	ug/Kg
71-43-2	Benzene	6.3	U	0.48	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	6.3	U	0.81	6.3	ug/Kg
79-01-6	Trichloroethene	6.3	U	1.1	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	6.3	U	0.33	6.3	ug/Kg
75-27-4	Bromodichloromethane	6.3	U	0.78	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	32	U	3.7	32	ug/Kg
108-88-3	Toluene	6.3	U	0.81	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.3	U	1	6.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.3	U	0.91	6.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB07-5.5	SDG No.:	C4129
Lab Sample ID:	C4129-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000893.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.3	U	1.1	6.3	ug/Kg
591-78-6	2-Hexanone	32	U	5	32	ug/Kg
124-48-1	Dibromochloromethane	6.3	U	0.68	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	6.3	U	0.81	6.3	ug/Kg
127-18-4	Tetrachloroethene	6.3	U	1.3	6.3	ug/Kg
108-90-7	Chlorobenzene	6.3	U	0.63	6.3	ug/Kg
100-41-4	Ethyl Benzene	6.3	U	0.78	6.3	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.91	13	ug/Kg
95-47-6	o-Xylene	6.3	U	0.86	6.3	ug/Kg
100-42-5	Styrene	6.3	U	0.57	6.3	ug/Kg
75-25-2	Bromoform	6.3	U	0.94	6.3	ug/Kg
98-82-8	Isopropylbenzene	6.3	U	0.61	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U	0.58	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.3	U	0.47	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.3	U	0.52	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.3	U	0.78	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.3	U	1.1	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.3	U	0.89	6.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	45.1		67 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		33 - 141	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	486960	8.06			
540-36-3	1,4-Difluorobenzene	829323	8.96			
3114-55-4	Chlorobenzene-d5	484628	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	287523	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB07-5.5	SDG No.:	C4129
Lab Sample ID:	C4129-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	20
Sample Wt/Vol:	4.94 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000893.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB08-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-15	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000867.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6	U	0.78	6	ug/Kg
74-87-3	Chloromethane	6	U	1	6	ug/Kg
75-01-4	Vinyl Chloride	6	U	1.5	6	ug/Kg
74-83-9	Bromomethane	6	U	2.9	6	ug/Kg
75-00-3	Chloroethane	6	U	1.7	6	ug/Kg
75-69-4	Trichlorofluoromethane	6	U	1.6	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6	U	1.6	6	ug/Kg
75-35-4	1,1-Dichloroethene	6	U	1.8	6	ug/Kg
67-64-1	Acetone	30	U	3.6	30	ug/Kg
75-15-0	Carbon Disulfide	6	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6	U	1.1	6	ug/Kg
79-20-9	Methyl Acetate	6	U	1.8	6	ug/Kg
75-09-2	Methylene Chloride	6	U	1.7	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6	U	0.82	6	ug/Kg
75-34-3	1,1-Dichloroethane	6	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	6	U	1.2	6	ug/Kg
78-93-3	2-Butanone	30	U	3.7	30	ug/Kg
56-23-5	Carbon Tetrachloride	6	U	1.2	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6	U	1.1	6	ug/Kg
67-66-3	Chloroform	6	U	0.88	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	6	U	1.1	6	ug/Kg
108-87-2	Methylcyclohexane	6	U	1.3	6	ug/Kg
71-43-2	Benzene	6	U	0.45	6	ug/Kg
107-06-2	1,2-Dichloroethane	6	U	0.77	6	ug/Kg
79-01-6	Trichloroethene	6	U	1	6	ug/Kg
78-87-5	1,2-Dichloropropane	6	U	0.31	6	ug/Kg
75-27-4	Bromodichloromethane	6	U	0.74	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	3.5	30	ug/Kg
108-88-3	Toluene	6	U	0.77	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6	U	0.94	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6	U	0.86	6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB08-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-15	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000867.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6	U	1.1	6	ug/Kg
591-78-6	2-Hexanone	30	U	4.7	30	ug/Kg
124-48-1	Dibromochloromethane	6	U	0.65	6	ug/Kg
106-93-4	1,2-Dibromoethane	6	U	0.77	6	ug/Kg
127-18-4	Tetrachloroethene	6	U	1.2	6	ug/Kg
108-90-7	Chlorobenzene	6	U	0.6	6	ug/Kg
100-41-4	Ethyl Benzene	6	U	0.74	6	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.86	12	ug/Kg
95-47-6	o-Xylene	6	U	0.81	6	ug/Kg
100-42-5	Styrene	6	U	0.54	6	ug/Kg
75-25-2	Bromoform	6	U	0.88	6	ug/Kg
98-82-8	Isopropylbenzene	6	U	0.57	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6	U	0.55	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	6	U	0.44	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	6	U	0.49	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	6	U	0.74	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6	U	1	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6	U	0.84	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	45.6		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		33 - 141	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	597409	8.04			
540-36-3	1,4-Difluorobenzene	963350	8.95			
3114-55-4	Chlorobenzene-d5	537904	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	298231	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB08-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-15	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.1	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000867.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB08-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000868.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.1	U	0.8	6.1	ug/Kg
74-87-3	Chloromethane	6.1	U	1.1	6.1	ug/Kg
75-01-4	Vinyl Chloride	6.1	U	1.5	6.1	ug/Kg
74-83-9	Bromomethane	6.1	U	3	6.1	ug/Kg
75-00-3	Chloroethane	6.1	U	1.7	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	6.1	U	1.6	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	1.6	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	1.8	6.1	ug/Kg
67-64-1	Acetone	31	U	3.7	31	ug/Kg
75-15-0	Carbon Disulfide	6.1	U	1.3	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	1.2	6.1	ug/Kg
79-20-9	Methyl Acetate	6.1	U	1.9	6.1	ug/Kg
75-09-2	Methylene Chloride	6.1	U	1.7	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.1	U	0.85	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	6.1	U	1.2	6.1	ug/Kg
110-82-7	Cyclohexane	6.1	U	1.2	6.1	ug/Kg
78-93-3	2-Butanone	31	U	3.8	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.1	U	1.2	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.2	J	1.1	6.1	ug/Kg
67-66-3	Chloroform	6.1	U	0.91	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
108-87-2	Methylcyclohexane	6.1	U	1.3	6.1	ug/Kg
71-43-2	Benzene	6.1	U	0.47	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	6.1	U	0.79	6.1	ug/Kg
79-01-6	Trichloroethene	12		1.1	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	6.1	U	0.32	6.1	ug/Kg
75-27-4	Bromodichloromethane	6.1	U	0.76	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	6.1	U	0.79	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.1	U	0.97	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.1	U	0.89	6.1	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB08-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000868.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
591-78-6	2-Hexanone	31	U	4.8	31	ug/Kg
124-48-1	Dibromochloromethane	6.1	U	0.66	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	6.1	U	0.79	6.1	ug/Kg
127-18-4	Tetrachloroethene	17		1.2	6.1	ug/Kg
108-90-7	Chlorobenzene	6.1	U	0.61	6.1	ug/Kg
100-41-4	Ethyl Benzene	6.1	U	0.76	6.1	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.89	12	ug/Kg
95-47-6	o-Xylene	6.1	U	0.84	6.1	ug/Kg
100-42-5	Styrene	6.1	U	0.55	6.1	ug/Kg
75-25-2	Bromoform	6.1	U	0.91	6.1	ug/Kg
98-82-8	Isopropylbenzene	6.1	U	0.59	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	0.57	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.1	U	0.45	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.1	U	0.5	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.1	U	0.76	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	1.1	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.1	U	0.86	6.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		57 - 135	99%	SPK: 50
2037-26-5	Toluene-d8	44.8		67 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.9		33 - 141	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	581149	8.06			
540-36-3	1,4-Difluorobenzene	945525	8.96			
3114-55-4	Chlorobenzene-d5	489002	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	211748	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB08-6.0	SDG No.:	C4129
Lab Sample ID:	C4129-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.96	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000868.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB09-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-17	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	13
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000869.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.7	U	0.74	5.7	ug/Kg
74-87-3	Chloromethane	5.7	U	0.98	5.7	ug/Kg
75-01-4	Vinyl Chloride	5.7	U	1.4	5.7	ug/Kg
74-83-9	Bromomethane	5.7	U	2.8	5.7	ug/Kg
75-00-3	Chloroethane	5.7	U	1.6	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	5.7	U	1.5	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.7	U	1.5	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	5.7	U	1.7	5.7	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.7	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.7	U	1.1	5.7	ug/Kg
79-20-9	Methyl Acetate	5.7	U	1.7	5.7	ug/Kg
75-09-2	Methylene Chloride	5.7	U	1.6	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.7	U	0.79	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	5.7	U	1.1	5.7	ug/Kg
110-82-7	Cyclohexane	5.7	U	1.2	5.7	ug/Kg
78-93-3	2-Butanone	29	U	3.6	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.7	U	1.1	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.7	U	1	5.7	ug/Kg
67-66-3	Chloroform	5.7	U	0.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.7	U	1	5.7	ug/Kg
108-87-2	Methylcyclohexane	5.7	U	1.2	5.7	ug/Kg
71-43-2	Benzene	5.7	U	0.44	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	5.7	U	0.73	5.7	ug/Kg
79-01-6	Trichloroethene	5.7	U	0.98	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	5.7	U	0.3	5.7	ug/Kg
75-27-4	Bromodichloromethane	5.7	U	0.71	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.3	29	ug/Kg
108-88-3	Toluene	5.7	U	0.73	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.7	U	0.9	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.7	U	0.82	5.7	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB09-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-17	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	13
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000869.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.7	U	1	5.7	ug/Kg
591-78-6	2-Hexanone	29	U	4.5	29	ug/Kg
124-48-1	Dibromochloromethane	5.7	U	0.62	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	5.7	U	0.73	5.7	ug/Kg
127-18-4	Tetrachloroethene	5.7	U	1.2	5.7	ug/Kg
108-90-7	Chlorobenzene	5.7	U	0.57	5.7	ug/Kg
100-41-4	Ethyl Benzene	5.7	U	0.71	5.7	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.82	11	ug/Kg
95-47-6	o-Xylene	5.7	U	0.78	5.7	ug/Kg
100-42-5	Styrene	5.7	U	0.52	5.7	ug/Kg
75-25-2	Bromoform	5.7	U	0.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	5.7	U	0.55	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U	0.53	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.7	U	0.42	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.7	U	0.47	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.7	U	0.71	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	1	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.7	U	0.8	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	45.8		67 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	38		33 - 141	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	605426	8.05			
540-36-3	1,4-Difluorobenzene	1003470	8.95			
3114-55-4	Chlorobenzene-d5	544953	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	236723	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB09-1.5	SDG No.:	C4129
Lab Sample ID:	C4129-17	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	13
Sample Wt/Vol:	5.02	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000869.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB09-4.5	SDG No.:	C4129
Lab Sample ID:	C4129-18	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000870.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6	U	0.78	6	ug/Kg
74-87-3	Chloromethane	6	U	1	6	ug/Kg
75-01-4	Vinyl Chloride	6	U	1.5	6	ug/Kg
74-83-9	Bromomethane	6	U	2.9	6	ug/Kg
75-00-3	Chloroethane	6	U	1.7	6	ug/Kg
75-69-4	Trichlorofluoromethane	6	U	1.6	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6	U	1.6	6	ug/Kg
75-35-4	1,1-Dichloroethene	6	U	1.8	6	ug/Kg
67-64-1	Acetone	30	U	3.6	30	ug/Kg
75-15-0	Carbon Disulfide	6	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6	U	1.2	6	ug/Kg
79-20-9	Methyl Acetate	6	U	1.8	6	ug/Kg
75-09-2	Methylene Chloride	2.6	J	1.7	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6	U	0.83	6	ug/Kg
75-34-3	1,1-Dichloroethane	6	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	6	U	1.2	6	ug/Kg
78-93-3	2-Butanone	30	U	3.7	30	ug/Kg
56-23-5	Carbon Tetrachloride	6	U	1.2	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6	U	1.1	6	ug/Kg
67-66-3	Chloroform	6	U	0.89	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	6	U	1.1	6	ug/Kg
108-87-2	Methylcyclohexane	6	U	1.3	6	ug/Kg
71-43-2	Benzene	6	U	0.46	6	ug/Kg
107-06-2	1,2-Dichloroethane	6	U	0.77	6	ug/Kg
79-01-6	Trichloroethene	6	U	1	6	ug/Kg
78-87-5	1,2-Dichloropropane	6	U	0.31	6	ug/Kg
75-27-4	Bromodichloromethane	6	U	0.74	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	3.5	30	ug/Kg
108-88-3	Toluene	6	U	0.77	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6	U	0.95	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6	U	0.86	6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB09-4.5	SDG No.:	C4129
Lab Sample ID:	C4129-18	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000870.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6	U	1.1	6	ug/Kg
591-78-6	2-Hexanone	30	U	4.7	30	ug/Kg
124-48-1	Dibromochloromethane	6	U	0.65	6	ug/Kg
106-93-4	1,2-Dibromoethane	6	U	0.77	6	ug/Kg
127-18-4	Tetrachloroethene	6	U	1.2	6	ug/Kg
108-90-7	Chlorobenzene	6	U	0.6	6	ug/Kg
100-41-4	Ethyl Benzene	6	U	0.74	6	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.86	12	ug/Kg
95-47-6	o-Xylene	6	U	0.82	6	ug/Kg
100-42-5	Styrene	6	U	0.54	6	ug/Kg
75-25-2	Bromoform	6	U	0.89	6	ug/Kg
98-82-8	Isopropylbenzene	6	U	0.58	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6	U	0.55	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	6	U	0.44	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	6	U	0.49	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	6	U	0.74	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6	U	1	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6	U	0.84	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		56 - 120	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49		57 - 135	98%	SPK: 50
2037-26-5	Toluene-d8	45.6		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		33 - 141	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	558689	8.06			
540-36-3	1,4-Difluorobenzene	942587	8.96			
3114-55-4	Chlorobenzene-d5	541048	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	293406	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB09-4.5	SDG No.:	C4129
Lab Sample ID:	C4129-18	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	5.08	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000870.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-19	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000871.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.2	U	0.81	6.2	ug/Kg
74-87-3	Chloromethane	6.2	U	1.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	6.2	U	1.5	6.2	ug/Kg
74-83-9	Bromomethane	6.2	U	3	6.2	ug/Kg
75-00-3	Chloroethane	6.2	U	1.7	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	6.2	U	1.6	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.2	U	1.7	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	6.2	U	1.8	6.2	ug/Kg
67-64-1	Acetone	31	U	3.8	31	ug/Kg
75-15-0	Carbon Disulfide	6.2	U	1.3	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.2	U	1.2	6.2	ug/Kg
79-20-9	Methyl Acetate	6.2	U	1.9	6.2	ug/Kg
75-09-2	Methylene Chloride	6.2	U	1.8	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.2	U	0.86	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	6.2	U	1.2	6.2	ug/Kg
110-82-7	Cyclohexane	6.2	U	1.3	6.2	ug/Kg
78-93-3	2-Butanone	31	U	3.9	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	1.2	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.2	U	1.1	6.2	ug/Kg
67-66-3	Chloroform	6.2	U	0.92	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	1.3	6.2	ug/Kg
71-43-2	Benzene	6.2	U	0.47	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	6.2	U	0.8	6.2	ug/Kg
79-01-6	Trichloroethene	6.2	U	1.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	6.2	U	0.32	6.2	ug/Kg
75-27-4	Bromodichloromethane	6.2	U	0.77	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	6.2	U	0.8	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.2	U	0.98	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.2	U	0.9	6.2	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-19	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000871.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
591-78-6	2-Hexanone	31	U	4.9	31	ug/Kg
124-48-1	Dibromochloromethane	6.2	U	0.67	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	6.2	U	0.8	6.2	ug/Kg
127-18-4	Tetrachloroethene	22		1.3	6.2	ug/Kg
108-90-7	Chlorobenzene	6.2	U	0.62	6.2	ug/Kg
100-41-4	Ethyl Benzene	6.2	U	0.77	6.2	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.9	12	ug/Kg
95-47-6	o-Xylene	6.2	U	0.85	6.2	ug/Kg
100-42-5	Styrene	6.2	U	0.56	6.2	ug/Kg
75-25-2	Bromoform	6.2	U	0.92	6.2	ug/Kg
98-82-8	Isopropylbenzene	6.2	U	0.6	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	0.57	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.2	U	0.46	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.2	U	0.51	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.2	U	0.77	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	1.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.2	U	0.87	6.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	45.9		67 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		33 - 141	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	553635	8.06			
540-36-3	1,4-Difluorobenzene	933973	8.96			
3114-55-4	Chlorobenzene-d5	522502	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	270323	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-1.0	SDG No.:	C4129
Lab Sample ID:	C4129-19	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	4.96	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000871.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-3.0	SDG No.:	C4129
Lab Sample ID:	C4129-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	6
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000872.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.3	U	0.68	5.3	ug/Kg
74-87-3	Chloromethane	5.3	U	0.9	5.3	ug/Kg
75-01-4	Vinyl Chloride	5.3	U	1.3	5.3	ug/Kg
74-83-9	Bromomethane	5.3	U	2.6	5.3	ug/Kg
75-00-3	Chloroethane	5.3	U	1.5	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	5.3	U	1.4	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U	1.4	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	5.3	U	1.5	5.3	ug/Kg
67-64-1	Acetone	26	U	3.2	26	ug/Kg
75-15-0	Carbon Disulfide	5.3	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	1	5.3	ug/Kg
79-20-9	Methyl Acetate	5.3	U	1.6	5.3	ug/Kg
75-09-2	Methylene Chloride	5.3	U	1.5	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.3	U	0.73	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	5.3	U	0.99	5.3	ug/Kg
110-82-7	Cyclohexane	5.3	U	1.1	5.3	ug/Kg
78-93-3	2-Butanone	26	U	3.3	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	1	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.3	U	0.94	5.3	ug/Kg
67-66-3	Chloroform	5.3	U	0.78	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.3	U	0.93	5.3	ug/Kg
108-87-2	Methylcyclohexane	5.3	U	1.1	5.3	ug/Kg
71-43-2	Benzene	5.3	U	0.4	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	5.3	U	0.67	5.3	ug/Kg
79-01-6	Trichloroethene	5.3	U	0.9	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	0.27	5.3	ug/Kg
75-27-4	Bromodichloromethane	5.3	U	0.65	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3.1	26	ug/Kg
108-88-3	Toluene	5.3	U	0.67	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	0.83	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.3	U	0.76	5.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-3.0	SDG No.:	C4129
Lab Sample ID:	C4129-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	6
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000872.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.3	U	0.95	5.3	ug/Kg
591-78-6	2-Hexanone	26	U	4.1	26	ug/Kg
124-48-1	Dibromochloromethane	5.3	U	0.57	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	5.3	U	0.67	5.3	ug/Kg
127-18-4	Tetrachloroethene	150	E	1.1	5.3	ug/Kg
108-90-7	Chlorobenzene	5.3	U	0.53	5.3	ug/Kg
100-41-4	Ethyl Benzene	5.3	U	0.65	5.3	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.76	11	ug/Kg
95-47-6	o-Xylene	5.3	U	0.71	5.3	ug/Kg
100-42-5	Styrene	5.3	U	0.47	5.3	ug/Kg
75-25-2	Bromoform	5.3	U	0.78	5.3	ug/Kg
98-82-8	Isopropylbenzene	5.3	U	0.5	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	0.48	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.3	U	0.39	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.3	U	0.43	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.3	U	0.65	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	0.91	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.3	U	0.74	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49		56 - 120	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	45.4		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		33 - 141	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	321866	8.06			
540-36-3	1,4-Difluorobenzene	541311	8.96			
3114-55-4	Chlorobenzene-d5	300350	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	147213	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-3.0	SDG No.:	C4129
Lab Sample ID:	C4129-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	6
Sample Wt/Vol:	5.06	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000872.D	1		10/20/11	VT102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-3.0DL	SDG No.:	C4129
Lab Sample ID:	C4129-20DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	6
Sample Wt/Vol:	1.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000881.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	26	U	3.3	26	ug/Kg
74-87-3	Chloromethane	26	U	4.4	26	ug/Kg
75-01-4	Vinyl Chloride	26	U	6.3	26	ug/Kg
74-83-9	Bromomethane	26	U	13	26	ug/Kg
75-00-3	Chloroethane	26	U	7.2	26	ug/Kg
75-69-4	Trichlorofluoromethane	26	U	6.8	26	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	26	U	6.8	26	ug/Kg
75-35-4	1,1-Dichloroethene	26	U	7.5	26	ug/Kg
67-64-1	Acetone	130	U	15	130	ug/Kg
75-15-0	Carbon Disulfide	26	U	5.4	26	ug/Kg
1634-04-4	Methyl tert-butyl Ether	26	U	4.9	26	ug/Kg
79-20-9	Methyl Acetate	26	U	7.7	26	ug/Kg
75-09-2	Methylene Chloride	26	U	7.3	26	ug/Kg
156-60-5	trans-1,2-Dichloroethene	26	U	3.5	26	ug/Kg
75-34-3	1,1-Dichloroethane	26	U	4.8	26	ug/Kg
110-82-7	Cyclohexane	26	U	5.2	26	ug/Kg
78-93-3	2-Butanone	130	U	16	130	ug/Kg
56-23-5	Carbon Tetrachloride	26	U	5.1	26	ug/Kg
156-59-2	cis-1,2-Dichloroethene	26	U	4.6	26	ug/Kg
67-66-3	Chloroform	26	U	3.8	26	ug/Kg
71-55-6	1,1,1-Trichloroethane	26	U	4.5	26	ug/Kg
108-87-2	Methylcyclohexane	26	U	5.4	26	ug/Kg
71-43-2	Benzene	26	U	1.9	26	ug/Kg
107-06-2	1,2-Dichloroethane	26	U	3.3	26	ug/Kg
79-01-6	Trichloroethene	26	U	4.4	26	ug/Kg
78-87-5	1,2-Dichloropropane	26	U	1.3	26	ug/Kg
75-27-4	Bromodichloromethane	26	U	3.2	26	ug/Kg
108-10-1	4-Methyl-2-Pentanone	130	U	15	130	ug/Kg
108-88-3	Toluene	26	U	3.3	26	ug/Kg
10061-02-6	t-1,3-Dichloropropene	26	U	4	26	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	26	U	3.7	26	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-3.0DL	SDG No.:	C4129
Lab Sample ID:	C4129-20DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	6
Sample Wt/Vol:	1.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000881.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	26	U	4.6	26	ug/Kg
591-78-6	2-Hexanone	130	U	20	130	ug/Kg
124-48-1	Dibromochloromethane	26	U	2.8	26	ug/Kg
106-93-4	1,2-Dibromoethane	26	U	3.3	26	ug/Kg
127-18-4	Tetrachloroethene	56	D	5.2	26	ug/Kg
108-90-7	Chlorobenzene	26	U	2.6	26	ug/Kg
100-41-4	Ethyl Benzene	26	U	3.2	26	ug/Kg
179601-23-1	m/p-Xylenes	51	U	3.7	51	ug/Kg
95-47-6	o-Xylene	26	U	3.5	26	ug/Kg
100-42-5	Styrene	26	U	2.3	26	ug/Kg
75-25-2	Bromoform	26	U	3.8	26	ug/Kg
98-82-8	Isopropylbenzene	26	U	2.5	26	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	26	U	2.4	26	ug/Kg
541-73-1	1,3-Dichlorobenzene	26	U	1.9	26	ug/Kg
106-46-7	1,4-Dichlorobenzene	26	U	2.1	26	ug/Kg
95-50-1	1,2-Dichlorobenzene	26	U	3.2	26	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	26	U	4.4	26	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	26	U	3.6	26	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		56 - 120	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		57 - 135	97%	SPK: 50
2037-26-5	Toluene-d8	45.8		67 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45		33 - 141	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	550805	8.06			
540-36-3	1,4-Difluorobenzene	912867	8.96			
3114-55-4	Chlorobenzene-d5	518845	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	299948	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB10-3.0DL	SDG No.:	C4129
Lab Sample ID:	C4129-20DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	6
Sample Wt/Vol:	1.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT000881.D	1		10/21/11	VT102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Hit Summary Sheet

SW-846

SDG No.: C4129

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Total Concentration:					130.10			
Client ID:	SB03-1.5RE							
C4129-05RE	SB03-1.5RE	SOIL	1,1-Dichloroethane	3.20	J	5.2	0.98	ug/Kg
C4129-05RE	SB03-1.5RE	SOIL	cis-1,2-Dichloroethene	7.90		5.2	0.93	ug/Kg
C4129-05RE	SB03-1.5RE	SOIL	1,1,1-Trichloroethane	4.80	J	5.2	0.92	ug/Kg
C4129-05RE	SB03-1.5RE	SOIL	Trichloroethene	59.00		5.2	0.90	ug/Kg
C4129-05RE	SB03-1.5RE	SOIL	Tetrachloroethene	39.00		5.2	1.1	ug/Kg
Total Voc :					113.90			
Total Concentration:					113.90			
Client ID:	SB04-3.5							
C4129-07	SB04-3.5	SOIL	1,1-Dichloroethene	600.00	E	5.4	1.6	ug/Kg
C4129-07	SB04-3.5	SOIL	Methylene Chloride	3.50	J	5.4	1.5	ug/Kg
C4129-07	SB04-3.5	SOIL	trans-1,2-Dichloroethene	17.00		5.4	0.75	ug/Kg
C4129-07	SB04-3.5	SOIL	1,1-Dichloroethane	230.00	E	5.4	1.0	ug/Kg
C4129-07	SB04-3.5	SOIL	cis-1,2-Dichloroethene	2,900.00	E	5.4	0.97	ug/Kg
C4129-07	SB04-3.5	SOIL	1,1,1-Trichloroethane	5,800.00	E	5.4	0.96	ug/Kg
C4129-07	SB04-3.5	SOIL	1,2-Dichloroethane	5.40	J	5.4	0.70	ug/Kg
C4129-07	SB04-3.5	SOIL	Trichloroethene	200.00	E	5.4	0.94	ug/Kg
C4129-07	SB04-3.5	SOIL	Toluene	27.00		5.4	0.70	ug/Kg
C4129-07	SB04-3.5	SOIL	1,1,2-Trichloroethane	47.00		5.4	0.98	ug/Kg
C4129-07	SB04-3.5	SOIL	Tetrachloroethene	280.00	E	5.4	1.1	ug/Kg
C4129-07	SB04-3.5	SOIL	1,1,2,2-Tetrachloroethane	2.70	J	5.4	0.50	ug/Kg
C4129-07	SB04-3.5	SOIL	1,2-Dibromo-3-Chloropropane	2.30	J	5.4	0.95	ug/Kg
Total Voc :					10,114.90			
C4129-07	SB04-3.5	SOIL	Naphthalene	* 3.60	J	5.4	0.49	ug/Kg
C4129-07	SB04-3.5	SOIL	1,2,3-Trichlorobenzene	* 3.60	J	5.4	0.54	ug/Kg
Total Tics :					7.20			
Total Concentration:					10,122.10			
Client ID:	SB04-3.5DL							
C4129-07DL	SB04-3.5DL	SOIL	1,1-Dichloroethene	760.00	D	550	52	ug/Kg
C4129-07DL	SB04-3.5DL	SOIL	1,1-Dichloroethane	760.00	D	550	39	ug/Kg
C4129-07DL	SB04-3.5DL	SOIL	cis-1,2-Dichloroethene	10,000.00	D	550	38	ug/Kg
C4129-07DL	SB04-3.5DL	SOIL	1,1,1-Trichloroethane	79,000.00	ED	550	44	ug/Kg
C4129-07DL	SB04-3.5DL	SOIL	Trichloroethene	860.00	D	550	31	ug/Kg
C4129-07DL	SB04-3.5DL	SOIL	Toluene	340.00	JD	550	41	ug/Kg
C4129-07DL	SB04-3.5DL	SOIL	Tetrachloroethene	2,900.00	D	550	30	ug/Kg
Total Voc :					94,620.00			
Total Concentration:					94,620.00			
Client ID:	SB04-3.5DL2							
C4129-07DL2	SB04-3.5DL2	SOIL	cis-1,2-Dichloroethene	6,700.00	D	5500	380	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: C4129

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
C4129-07DL2	SB04-3.5DL2	SOIL	1,1,1-Trichloroethane	49,000.00	D	5500	440	ug/Kg
			Total Voc :		55,700.00			
			Total Concentration:		55,700.00			
Client ID:	SB04-6.0							
C4129-08	SB04-6.0	SOIL	Acetone	20.00	J	31	3.8	ug/Kg
			Total Voc :		20.00			
			Total Concentration:		20.00			
Client ID:	SB05-3.5							
C4129-09	SB05-3.5	SOIL	Methylene Chloride	2.80	J	5.5	1.6	ug/Kg
C4129-09	SB05-3.5	SOIL	trans-1,2-Dichloroethene	6.80		5.5	0.76	ug/Kg
C4129-09	SB05-3.5	SOIL	1,1-Dichloroethane	18.00		5.5	1.0	ug/Kg
C4129-09	SB05-3.5	SOIL	cis-1,2-Dichloroethene	380.00	E	5.5	0.98	ug/Kg
C4129-09	SB05-3.5	SOIL	1,1,1-Trichloroethane	58.00		5.5	0.97	ug/Kg
C4129-09	SB05-3.5	SOIL	Trichloroethene	51.00		5.5	0.95	ug/Kg
C4129-09	SB05-3.5	SOIL	Toluene	6.60		5.5	0.70	ug/Kg
C4129-09	SB05-3.5	SOIL	Tetrachloroethene	570.00	E	5.5	1.1	ug/Kg
C4129-09	SB05-3.5	SOIL	Ethyl Benzene	31.00		5.5	0.68	ug/Kg
C4129-09	SB05-3.5	SOIL	m/p-Xylenes	70.00		11	0.79	ug/Kg
C4129-09	SB05-3.5	SOIL	o-Xylene	130.00	E	5.5	0.75	ug/Kg
C4129-09	SB05-3.5	SOIL	Styrene	3.90	J	5.5	0.50	ug/Kg
			Total Voc :		1,328.10			
C4129-09	SB05-3.5	SOIL	1,3,5-Trimethylbenzene	* 26.00	J	5.5	0.50	ug/Kg
C4129-09	SB05-3.5	SOIL	1,2,4-Trimethylbenzene	* 38.00	J	5.5	0.55	ug/Kg
C4129-09	SB05-3.5	SOIL	unknown13.82	* 290.00	J	0	0	ug/Kg
C4129-09	SB05-3.5	SOIL	Benzene, 1-ethyl-2-methyl-	* 24.00	J	0	0	ug/Kg
			Total Tics :		378.00			
			Total Concentration:		1,706.10			
Client ID:	SB05-3.5DL							
C4129-09DL	SB05-3.5DL	SOIL	cis-1,2-Dichloroethene	18,000.00	D	5600	390	ug/Kg
C4129-09DL	SB05-3.5DL	SOIL	1,1,1-Trichloroethane	11,000.00	D	5600	440	ug/Kg
C4129-09DL	SB05-3.5DL	SOIL	Trichloroethene	3,800.00	JD	5600	310	ug/Kg
C4129-09DL	SB05-3.5DL	SOIL	Tetrachloroethene	31,000.00	D	5600	300	ug/Kg
			Total Voc :		63,800.00			
			Total Concentration:		63,800.00			
Client ID:	SB05-7.5							
C4129-10	SB05-7.5	SOIL	Methylene Chloride	2.70	J	5.6	1.6	ug/Kg
C4129-10	SB05-7.5	SOIL	1,1-Dichloroethane	8.60		5.6	1.1	ug/Kg
C4129-10	SB05-7.5	SOIL	cis-1,2-Dichloroethene	110.00		5.6	1.0	ug/Kg
C4129-10	SB05-7.5	SOIL	1,1,1-Trichloroethane	23.00		5.6	0.99	ug/Kg
C4129-10	SB05-7.5	SOIL	Trichloroethene	18.00		5.6	0.97	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: C4129

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
C4129-10	SB05-7.5	SOIL	Tetrachloroethene	460.00	E	5.6	1.1	ug/Kg
			Total Voc :		622.30			
C4129-10	SB05-7.5	SOIL	unknown13.82	* 41.00	J	0	0	ug/Kg
			Total Tics :		41.00			
			Total Concentration:		663.30			
Client ID:	SB05-7.5DL							
C4129-10DL	SB05-7.5DL	SOIL	cis-1,2-Dichloroethene	2,100.00	D	560	39	ug/Kg
C4129-10DL	SB05-7.5DL	SOIL	1,1,1-Trichloroethane	1,100.00	D	560	44	ug/Kg
C4129-10DL	SB05-7.5DL	SOIL	Trichloroethene	440.00	JD	560	31	ug/Kg
C4129-10DL	SB05-7.5DL	SOIL	Tetrachloroethene	4,900.00	D	560	30	ug/Kg
			Total Voc :		8,540.00			
			Total Concentration:		8,540.00			
Client ID:	SB06-1.0							
C4129-11	SB06-1.0	SOIL	Vinyl Chloride	4.00	J	6.7	1.6	ug/Kg
C4129-11	SB06-1.0	SOIL	Chloroethane	190.00	E	6.7	1.9	ug/Kg
C4129-11	SB06-1.0	SOIL	1,1-Dichloroethene	15.00		6.7	2.0	ug/Kg
C4129-11	SB06-1.0	SOIL	Acetone	25.00	J	34	4.1	ug/Kg
C4129-11	SB06-1.0	SOIL	Methylene Chloride	24.00		6.7	1.9	ug/Kg
C4129-11	SB06-1.0	SOIL	trans-1,2-Dichloroethene	23.00		6.7	0.93	ug/Kg
C4129-11	SB06-1.0	SOIL	1,1-Dichloroethane	220.00	E	6.7	1.3	ug/Kg
C4129-11	SB06-1.0	SOIL	Cyclohexane	810.00	E	6.7	1.4	ug/Kg
C4129-11	SB06-1.0	SOIL	cis-1,2-Dichloroethene	350.00	E	6.7	1.2	ug/Kg
C4129-11	SB06-1.0	SOIL	1,1,1-Trichloroethane	340.00	E	6.7	1.2	ug/Kg
C4129-11	SB06-1.0	SOIL	Methylcyclohexane	980.00	E	6.7	1.4	ug/Kg
C4129-11	SB06-1.0	SOIL	Trichloroethene	8.50		6.7	1.2	ug/Kg
C4129-11	SB06-1.0	SOIL	Toluene	380.00	E	6.7	0.86	ug/Kg
C4129-11	SB06-1.0	SOIL	Tetrachloroethene	400.00	E	6.7	1.4	ug/Kg
C4129-11	SB06-1.0	SOIL	Ethyl Benzene	14.00		6.7	0.83	ug/Kg
C4129-11	SB06-1.0	SOIL	m/p-Xylenes	26.00		13	0.97	ug/Kg
C4129-11	SB06-1.0	SOIL	o-Xylene	31.00		6.7	0.91	ug/Kg
C4129-11	SB06-1.0	SOIL	Isopropylbenzene	11.00		6.7	0.64	ug/Kg
			Total Voc :		3,851.50			
C4129-11	SB06-1.0	SOIL	n-propylbenzene	* 9.20	J	6.7	0.48	ug/Kg
C4129-11	SB06-1.0	SOIL	1,3,5-Trimethylbenzene	* 36.00	J	6.7	0.60	ug/Kg
C4129-11	SB06-1.0	SOIL	1,2,4-Trimethylbenzene	* 34.00	J	6.7	0.67	ug/Kg
C4129-11	SB06-1.0	SOIL	unknown14.04	* 170.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	Hexadecane	* 280.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	2-Methylpyrrolidine	* 410.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	Undecane, 5-methyl-	* 290.00	J	0	0	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: C4129

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
C4129-11	SB06-1.0	SOIL	Octane, 2,6-dimethyl-	* 210.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	Nonane, 3-methyl-	* 180.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	Undecane, 2,5-dimethyl-	* 380.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	Nonane, 4,5-dimethyl-	* 250.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	Decane, 2,5-dimethyl-	* 540.00	J	0	0	ug/Kg
C4129-11	SB06-1.0	SOIL	Heptadecane, 2,6,10,14-tetrameth	* 210.00	J	0	0	ug/Kg
Total Tics :					2,999.20			
Total Concentration:					6,850.70			
Client ID:	SB06-1.0DL							
C4129-11DL	SB06-1.0DL	SOIL	Chloroethane	700.00	D	660	87	ug/Kg
C4129-11DL	SB06-1.0DL	SOIL	1,1-Dichloroethane	1,100.00	D	660	48	ug/Kg
C4129-11DL	SB06-1.0DL	SOIL	Cyclohexane	9,800.00	D	660	73	ug/Kg
C4129-11DL	SB06-1.0DL	SOIL	cis-1,2-Dichloroethene	2,300.00	D	660	46	ug/Kg
C4129-11DL	SB06-1.0DL	SOIL	1,1,1-Trichloroethane	1,600.00	D	660	53	ug/Kg
C4129-11DL	SB06-1.0DL	SOIL	Methylcyclohexane	8,700.00	D	660	90	ug/Kg
C4129-11DL	SB06-1.0DL	SOIL	Toluene	3,100.00	D	660	49	ug/Kg
C4129-11DL	SB06-1.0DL	SOIL	Tetrachloroethene	1,400.00	D	660	36	ug/Kg
Total Voc :					28,700.00			
Total Concentration:					28,700.00			
Client ID:	SB06-5.5							
C4129-12	SB06-5.5	SOIL	Vinyl Chloride	7.70		6.6	1.6	ug/Kg
C4129-12	SB06-5.5	SOIL	Chloroethane	40.00		6.6	1.8	ug/Kg
C4129-12	SB06-5.5	SOIL	1,1-Dichloroethene	10.00		6.6	1.9	ug/Kg
C4129-12	SB06-5.5	SOIL	Acetone	99.00		33	4.0	ug/Kg
C4129-12	SB06-5.5	SOIL	Carbon Disulfide	4.40	J	6.6	1.4	ug/Kg
C4129-12	SB06-5.5	SOIL	Methylene Chloride	13.00		6.6	1.9	ug/Kg
C4129-12	SB06-5.5	SOIL	trans-1,2-Dichloroethene	9.80		6.6	0.91	ug/Kg
C4129-12	SB06-5.5	SOIL	1,1-Dichloroethane	75.00		6.6	1.2	ug/Kg
C4129-12	SB06-5.5	SOIL	Cyclohexane	2,300.00	E	6.6	1.3	ug/Kg
C4129-12	SB06-5.5	SOIL	cis-1,2-Dichloroethene	150.00	E	6.6	1.2	ug/Kg
C4129-12	SB06-5.5	SOIL	1,1,1-Trichloroethane	96.00		6.6	1.2	ug/Kg
C4129-12	SB06-5.5	SOIL	Methylcyclohexane	1,700.00	E	6.6	1.4	ug/Kg
C4129-12	SB06-5.5	SOIL	Trichloroethene	4.70	J	6.6	1.1	ug/Kg
C4129-12	SB06-5.5	SOIL	Toluene	1,300.00	E	6.6	0.84	ug/Kg
C4129-12	SB06-5.5	SOIL	Tetrachloroethene	70.00		6.6	1.3	ug/Kg
C4129-12	SB06-5.5	SOIL	Ethyl Benzene	30.00		6.6	0.82	ug/Kg
C4129-12	SB06-5.5	SOIL	m/p-Xylenes	55.00		13	0.95	ug/Kg
C4129-12	SB06-5.5	SOIL	o-Xylene	59.00		6.6	0.89	ug/Kg
C4129-12	SB06-5.5	SOIL	Isopropylbenzene	26.00		6.6	0.63	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: C4129

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Total Voc :					6,049.60			
C4129-12	SB06-5.5	SOIL	n-propylbenzene	* 25.00	J	6.6	0.47	ug/Kg
C4129-12	SB06-5.5	SOIL	1,3,5-Trimethylbenzene	* 86.00	J	6.6	0.59	ug/Kg
C4129-12	SB06-5.5	SOIL	1,2,4-Trimethylbenzene	* 120.00	J	6.6	0.66	ug/Kg
C4129-12	SB06-5.5	SOIL	sec-Butylbenzene	* 3.10	J	6.6	0.68	ug/Kg
C4129-12	SB06-5.5	SOIL	p-Isopropyltoluene	* 4.00	J	6.6	0.38	ug/Kg
C4129-12	SB06-5.5	SOIL	Eicosane	* 400.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Heptane, 2,3,6-trimethyl-	* 700.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Nonane, 3-methyl-	* 350.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Octane, 3,5-dimethyl-	* 750.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Octane, 3,6-dimethyl-	* 330.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Undecane, 2,4-dimethyl-	* 370.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Heptane, 3,4,5-trimethyl-	* 1,200.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	dl-2-Ethylhexyl chloroformate	* 350.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Octane, 2,6,6-trimethyl-	* 260.00	J	0	0	ug/Kg
C4129-12	SB06-5.5	SOIL	Decane, 2,5,6-trimethyl-	* 1,000.00	J	0	0	ug/Kg
Total Tics :					5,948.10			
Total Concentration:					11,997.70			
Client ID:	SB06-5.5DL							
C4129-12DL	SB06-5.5DL	SOIL	Cyclohexane	7,100.00	D	660	73	ug/Kg
C4129-12DL	SB06-5.5DL	SOIL	cis-1,2-Dichloroethene	730.00	D	660	46	ug/Kg
C4129-12DL	SB06-5.5DL	SOIL	Methylcyclohexane	6,700.00	D	660	90	ug/Kg
C4129-12DL	SB06-5.5DL	SOIL	Toluene	3,600.00	D	660	49	ug/Kg
Total Voc :					18,130.00			
Total Concentration:					18,130.00			
Client ID:	SB07-1.0							
C4129-13	SB07-1.0	SOIL	cis-1,2-Dichloroethene	3.20	J	5.1	0.91	ug/Kg
C4129-13	SB07-1.0	SOIL	1,1,1-Trichloroethane	14.00		5.1	0.90	ug/Kg
C4129-13	SB07-1.0	SOIL	Tetrachloroethene	4.60	J	5.1	1.0	ug/Kg
Total Voc :					21.80			
Total Concentration:					21.80			
Client ID:	SB08-6.0							
C4129-16	SB08-6.0	SOIL	cis-1,2-Dichloroethene	5.20	J	6.1	1.1	ug/Kg
C4129-16	SB08-6.0	SOIL	Trichloroethene	12.00		6.1	1.1	ug/Kg
C4129-16	SB08-6.0	SOIL	Tetrachloroethene	17.00		6.1	1.2	ug/Kg
Total Voc :					34.20			
Total Concentration:					34.20			
Client ID:	SB09-4.5							
C4129-18	SB09-4.5	SOIL	Methylene Chloride	2.60	J	6.0	1.7	ug/Kg
Total Voc :					2.60			



Hit Summary Sheet
SW-846

SDG No.: C4129

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Total Concentration:					2.60			
Client ID: C4129-19	SB10-1.0 SB10-1.0	SOIL	Tetrachloroethene	22.00		6.2	1.3	ug/Kg
Total Voc :					22.00			
Total Concentration:					22.00			
Client ID: C4129-20	SB10-3.0 SB10-3.0	SOIL	Tetrachloroethene	150.00	E	5.3	1.1	ug/Kg
Total Voc :					150.00			
Total Concentration:					150.00			
Client ID: C4129-20DL	SB10-3.0DL SB10-3.0DL	SOIL	Tetrachloroethene	56.00	D	26	5.2	ug/Kg
Total Voc :					56.00			
Total Concentration:					56.00			

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4129 SAS No.: C4129 SDG NO.: C4129

Level: (low/med) LOW Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBF1019S1	VBF1019S1	95	94	98	96	0
02	BSF1019S1	BSF1019S1	107	107	110	111	0
03	C4129-02	SB01-6.0	79	88	95	92	0
04	C4129-03RE	SB02-3.5RE	84	89	87	58	0
05	C4129-01DL	SB01-1.5DL	84	89	93	89	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (56-120)

SMC2 (DBFM) =Dibromofluoromethane (57-135)

SMC3 (TOL) =Toluene-d8 (67-123)

SMC4 (BFB) =4-Bromofluorobenzene (33-141)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4129 SAS No.: C4129 SDG NO.: C4129

Level: (low/med) MED Analytical Method: EPA SW846 8260 - MED

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBH1023M1	VBH1023M1	95	98	103	110	0
02	BSH1023M1	BSH1023M1	94	99	97	98	0
03	C4129-07DL	SB04-3.5DL	97	99	103	111	0
04	C4129-11DL	SB06-4.0DL	89	92	98	105	0
05	C4129-12DL	SB06-5.5DL	89	93	98	107	0
06	VBH1024M1	VBH1024M1	89	93	96	102	0
07	BSH1024M1	BSH1024M1	97	92	97	96	0
08	C4129-07DL2	SB04-3.5DL2	98	93	104	112	0
09	C4129-09DL	SB05-3.5DL	97	94	98	115	0
10	C4129-10DL	SB05-7.5DL	96	89	101	114	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (56-120)

SMC2 (DBFM) =Dibromofluoromethane (57-135)

SMC3 (TOL) =Toluene-d8 (67-123)

SMC4 (BFB) =4-Bromofluorobenzene (33-141)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4129 SAS No.: C4129 SDG NO.: C4129

Level: (low/med) LOW Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBT1018S1	VBT1018S1	92	97	94	93	0
02	BST1018S1	BST1018S1	103	112	108	118	0
03	C4129-01	SB01-1.5	100	100	89	73	0
04	C4129-03	SB02-3.5	99	100	87	60	0
05	VBT1020S1	VBT1020S1	94	98	95	85	0
06	BST1020S1	BST1020S1	104	114	108	115	0
07	C4129-04	SB02-7.0	97	98	90	93	0
08	C4129-05	SB03-1.5	102	102	88	66	0
09	C4129-06	SB03-6.0	101	97	91	87	0
10	C4129-09	SB05-3.5	94	100	92	77	0
11	C4129-10	SB05-7.5	96	100	88	59	0
12	C4129-11	SB06-1.0	117	83	76	72	0
13	C4129-13	SB07-1.0	104	98	90	81	0
14	C4129-15	SB08-1.5	98	98	91	88	0
15	C4129-16	SB08-6.0	99	99	90	74	0
16	C4129-17	SB09-1.5	98	97	92	76	0
17	C4129-18	SB09-4.5	103	98	91	89	0
18	C4129-19	SB10-1.0	99	96	92	83	0
19	C4129-20	SB10-3.0	98	96	91	80	0
20	C4129-04MS	SB02-7.0MS	92	95	88	87	0
21	C4129-04MSD	SB02-7.0MSD	93	96	89	87	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (56-120)

SMC2 (DBFM) =Dibromofluoromethane (57-135)

SMC3 (TOL) =Toluene-d8 (67-123)

SMC4 (BFB) =4-Bromofluorobenzene (33-141)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4129 SAS No.: C4129 SDG NO.: C4129

Level: (low/med) LOW Analytical Method: EPA SW846 8260

22	VBT1021S1	VBT1021S1	85	89	83	83	0
23	BST1021S1	BST1021S1	101	107	101	115	0
24	C4129-05RE	SB03-1.5RE	95	99	86	67	0
25	C4129-20DL	SB10-3.0DL	97	97	92	90	0
26	C4129-07	SB04-3.5	95	45 *	79	63	1
27	C4129-14	SB07-5.5	98	97	90	95	0
28	C4129-08	SB04-6.0	100	98	91	96	0
29	C4129-12	SB06-5.5	150 *	83	84	110	1

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (56-120)
 SMC2 (DBFM) =Dibromofluoromethane (57-135)
 SMC3 (TOL) =Toluene-d8 (67-123)
 SMC4 (BFB) =4-Bromofluorobenzene (33-141)

Column to be used to flag recovery values
 * Values outside of contract required QC Limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129Matrix Spike - EPA Sample No : C4129-04 Analytical Method: EPA SW846 8260 Datafile : VT000873.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	63	0	46	73	(44-157)
Chloromethane	63	0	52	83	(51-144)
Vinyl Chloride	63	0	52	83	(56-145)
Bromomethane	63	0	58	92	(47-151)
Chloroethane	63	0	58	92	(55-158)
Trichlorofluoromethane	63	0	59	94	(63-145)
1,1,2-Trichlorotrifluoroethane	63	0	73	116	(63-141)
1,1-Dichloroethene	63	0	67	106	(64-140)
Acetone	313	0	390	125	(41-145)
Carbon Disulfide	63	0	75	119	(56-139)
Methyl tert-butyl Ether	63	0	62	98	(64-132)
Methyl Acetate	63	0	71	113	(21-221)
Methylene Chloride	63	0	61	97	(59-133)
trans-1,2-Dichloroethene	63	0	59	94	(64-135)
1,1-Dichloroethane	63	0	59	94	(66-135)
Cyclohexane	63	0	53	84	(59-140)
2-Butanone	313	0	290	93	(54-137)
Carbon Tetrachloride	63	0	60	95	(66-137)
cis-1,2-Dichloroethene	63	0	62	98	(65-132)
Chloroform	63	0	61	97	(68-132)
1,1,1-Trichloroethane	63	0	62	98	(69-138)
Methylcyclohexane	63	0	58	92	(54-134)
Benzene	63	0	61	97	(68-130)
1,2-Dichloroethane	63	0	63	100	(68-130)
Trichloroethene	63	0	60	95	(54-149)
1,2-Dichloropropane	63	0	60	95	(65-136)
Bromodichloromethane	63	0	61	97	(68-132)
4-Methyl-2-Pentanone	313	0	300	96	(59-137)
Toluene	63	0	60	95	(65-133)
t-1,3-Dichloropropene	63	0	58	92	(64-129)
cis-1,3-Dichloropropene	63	0	58	92	(65-129)
1,1,2-Trichloroethane	63	0	62	98	(66-131)
2-Hexanone	313	0	300	96	(58-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : C4129-04 Analytical Method: EPA SW846 8260 Datafile : VT000873.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	63	0	63	100	(67-131)
1,2-Dibromoethane	63	0	62	98	(65-130)
Tetrachloroethene	63	0	57	90	(37-161)
Chlorobenzene	63	0	59	94	(66-128)
Ethyl Benzene	63	0	60	95	(65-133)
m/p-Xylenes	125	0	120	96	(62-134)
o-Xylene	63	0	64	102	(65-133)
Styrene	63	0	62	98	(66-127)
Bromoform	63	0	67	106	(68-131)
Isopropylbenzene	63	0	60	95	(64-139)
1,1,2,2-Tetrachloroethane	63	0	62	98	(48-150)
1,3-Dichlorobenzene	63	0	58	92	(60-129)
1,4-Dichlorobenzene	63	0	58	92	(59-128)
1,2-Dichlorobenzene	63	0	59	94	(63-127)
1,2-Dibromo-3-Chloropropane	63	0	61	97	(65-137)
1,2,4-Trichlorobenzene	63	0	56	89	(38-131)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129Matrix Spike - EPA Sample No : C4129-04 Analytical Method: EPA SW846 8260 Datafile : VT000874.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	63	53	84	14	20	(44-157)
Chloromethane	63	57	90	8	20	(51-144)
Vinyl Chloride	63	59	94	12	20	(56-145)
Bromomethane	63	63	100	8	20	(47-151)
Chloroethane	63	65	103	11	20	(55-158)
Trichlorofluoromethane	63	65	103	9	20	(63-145)
1,1,2-Trichlorotrifluoroethane	63	78	124	7	20	(63-141)
1,1-Dichloroethene	63	68	108	2	20	(64-140)
Acetone	313	390	125	0	20	(41-145)
Carbon Disulfide	63	82	130	9	20	(56-139)
Methyl tert-butyl Ether	63	68	108	10	20	(64-132)
Methyl Acetate	63	77	122	8	20	(21-221)
Methylene Chloride	63	66	105	8	20	(59-133)
trans-1,2-Dichloroethene	63	65	103	9	20	(64-135)
1,1-Dichloroethane	63	65	103	9	20	(66-135)
Cyclohexane	63	59	94	11	20	(59-140)
2-Butanone	313	300	96	3	20	(54-137)
Carbon Tetrachloride	63	65	103	8	20	(66-137)
cis-1,2-Dichloroethene	63	67	106	8	20	(65-132)
Chloroform	63	66	105	8	20	(68-132)
1,1,1-Trichloroethane	63	68	108	10	20	(69-138)
Methylcyclohexane	63	62	98	6	20	(54-134)
Benzene	63	64	102	5	20	(68-130)
1,2-Dichloroethane	63	66	105	5	20	(68-130)
Trichloroethene	63	64	102	7	20	(54-149)
1,2-Dichloropropane	63	64	102	7	20	(65-136)
Bromodichloromethane	63	66	105	8	20	(68-132)
4-Methyl-2-Pentanone	313	300	96	0	20	(59-137)
Toluene	63	63	100	5	20	(65-133)
t-1,3-Dichloropropene	63	62	98	6	20	(64-129)
cis-1,3-Dichloropropene	63	62	98	6	20	(65-129)
1,1,2-Trichloroethane	63	65	103	5	20	(66-131)
2-Hexanone	313	310	99	3	20	(58-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : C4129-04 Analytical Method: EPA SW846 8260 Datafile : VT000874.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS	
			%	%	RPD	REC
Dibromochloromethane	63	65	103	3	20	(67-131)
1,2-Dibromoethane	63	64	102	4	20	(65-130)
Tetrachloroethene	63	59	94	4	20	(37-161)
Chlorobenzene	63	64	102	8	20	(66-128)
Ethyl Benzene	63	64	102	7	20	(65-133)
m/p-Xylenes	125	130	104	8	20	(62-134)
o-Xylene	63	69	110	8	20	(65-133)
Styrene	63	67	106	8	20	(66-127)
Bromoform	63	69	110	4	20	(68-131)
Isopropylbenzene	63	68	108	13	20	(64-139)
1,1,2,2-Tetrachloroethane	63	65	103	5	20	(48-150)
1,3-Dichlorobenzene	63	64	102	10	20	(60-129)
1,4-Dichlorobenzene	63	64	102	10	20	(59-128)
1,2-Dichlorobenzene	63	65	103	9	20	(63-127)
1,2-Dibromo-3-Chloropropane	63	65	103	6	20	(65-137)
1,2,4-Trichlorobenzene	63	61	97	9	20	(38-131)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BSF1019S1 Analytical Method: EPA SW846 8260 Datafile : VF029041.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		19	95	(50-142)
Chloromethane	20		18	90	(65-131)
Vinyl Chloride	20		19	95	(67-130)
Bromomethane	20		21	105	(64-136)
Chloroethane	20		21	105	(66-146)
Trichlorofluoromethane	20		24	120	(72-134)
1,1,2-Trichlorotrifluoroethane	20		21	105	(73-133)
1,1-Dichloroethene	20		21	105	(74-130)
Acetone	100		93	93	(57-135)
Carbon Disulfide	20		20	100	(71-130)
Methyl tert-butyl Ether	20		21	105	(76-123)
Methyl Acetate	20		18	90	(62-146)
Methylene Chloride	20		22	110	(73-134)
trans-1,2-Dichloroethene	20		21	105	(76-125)
1,1-Dichloroethane	20		20	100	(78-124)
Cyclohexane	20		17	85	(72-130)
2-Butanone	100		87	87	(68-132)
Carbon Tetrachloride	20		22	110	(76-127)
cis-1,2-Dichloroethene	20		20	100	(78-122)
Chloroform	20		21	105	(79-122)
1,1,1-Trichloroethane	20		22	110	(76-126)
Methylcyclohexane	20		20	100	(75-127)
Benzene	20		21	105	(79-124)
1,2-Dichloroethane	20		22	110	(78-124)
Trichloroethene	20		23	115	(78-124)
1,2-Dichloropropane	20		20	100	(76-124)
Bromodichloromethane	20		22	110	(78-122)
4-Methyl-2-Pentanone	100		97	97	(73-135)
Toluene	20		21	105	(78-124)
t-1,3-Dichloropropene	20		22	110	(77-123)
cis-1,3-Dichloropropene	20		21	105	(79-120)
1,1,2-Trichloroethane	20		22	110	(78-123)
2-Hexanone	100		97	97	(71-134)
Dibromochloromethane	20		22	110	(77-121)
1,2-Dibromoethane	20		22	110	(78-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129Matrix Spike - EPA Sample No : BSF1019S1 Analytical Method: EPA SW846 8260 Datafile : VF029041.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		22	110	(67-134)
Chlorobenzene	20		22	110	(80-121)
Ethyl Benzene	20		22	110	(80-123)
m/p-Xylenes	40		43	108	(79-126)
o-Xylene	20		22	110	(80-122)
Styrene	20		21	105	(81-121)
Bromoform	20		22	110	(73-124)
Isopropylbenzene	20		20	100	(79-123)
1,1,2,2-Tetrachloroethane	20		22	110	(79-124)
1,3-Dichlorobenzene	20		22	110	(82-120)
1,4-Dichlorobenzene	20		22	110	(81-120)
1,2-Dichlorobenzene	20		23	115	(82-118)
1,2-Dibromo-3-Chloropropane	20		18	90	(72-127)
1,2,4-Trichlorobenzene	20		25	125	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BSH1023M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH043900.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		1800	90	(46-139)
Chloromethane	2000		2100	105	(58-139)
Vinyl Chloride	2000		2000	100	(65-137)
Bromomethane	2000		2100	105	(50-162)
Chloroethane	2000		2100	105	(54-160)
Trichlorofluoromethane	2000		1800	90	(67-143)
1,1,2-Trichlorotrifluoroethane	2000		1800	90	(71-136)
1,1-Dichloroethene	2000		2000	100	(69-134)
Acetone	10000		10000	100	(41-181)
Carbon Disulfide	2000		2000	100	(63-138)
Methyl tert-butyl Ether	2000		2000	100	(72-136)
Methyl Acetate	2000		2100	105	(51-158)
Methylene Chloride	2000		1900	95	(67-138)
trans-1,2-Dichloroethene	2000		2000	100	(72-132)
1,1-Dichloroethane	2000		2000	100	(74-135)
Cyclohexane	2000		2200	110	(67-132)
2-Butanone	10000		9800	98	(64-146)
Carbon Tetrachloride	2000		2000	100	(71-134)
cis-1,2-Dichloroethene	2000		2100	105	(74-130)
Chloroform	2000		2000	100	(74-134)
1,1,1-Trichloroethane	2000		2000	100	(74-133)
Methylcyclohexane	2000		2100	105	(71-125)
Benzene	2000		2100	105	(75-125)
1,2-Dichloroethane	2000		2000	100	(76-130)
Trichloroethene	2000		2000	100	(73-127)
1,2-Dichloropropane	2000		2000	100	(76-125)
Bromodichloromethane	2000		2100	105	(78-127)
4-Methyl-2-Pentanone	10000		11000	110	(71-140)
Toluene	2000		2100	105	(74-125)
t-1,3-Dichloropropene	2000		2000	100	(74-131)
cis-1,3-Dichloropropene	2000		2100	105	(74-128)
1,1,2-Trichloroethane	2000		2000	100	(75-129)
2-Hexanone	10000		11000	110	(62-153)
Dibromochloromethane	2000		2000	100	(74-131)
1,2-Dibromoethane	2000		2000	100	(74-129)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129Matrix Spike - EPA Sample No : BSH1023M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH043900.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	2000		2100	105	(46-157)
Chlorobenzene	2000		2100	105	(76-123)
Ethyl Benzene	2000		2100	105	(75-126)
m/p-Xylenes	4000		4300	108	(74-126)
o-Xylene	2000		2100	105	(73-127)
Styrene	2000		2200	110	(75-126)
Bromoform	2000		2100	105	(66-130)
Isopropylbenzene	2000		2100	105	(70-127)
1,1,2,2-Tetrachloroethane	2000		2000	100	(66-131)
1,3-Dichlorobenzene	2000		2100	105	(70-125)
1,4-Dichlorobenzene	2000		2000	100	(71-124)
1,2-Dichlorobenzene	2000		2000	100	(71-126)
1,2-Dibromo-3-Chloropropane	2000		2000	100	(62-134)
1,2,4-Trichlorobenzene	2000		2000	100	(62-129)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BSH1024M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH043925.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		2100	105	(46-139)
Chloromethane	2000		2000	100	(58-139)
Vinyl Chloride	2000		2100	105	(65-137)
Bromomethane	2000		1800	90	(50-162)
Chloroethane	2000		2100	105	(54-160)
Trichlorofluoromethane	2000		1900	95	(67-143)
1,1,2-Trichlorotrifluoroethane	2000		2200	110	(71-136)
1,1-Dichloroethene	2000		2200	110	(69-134)
Acetone	10000		11000	110	(41-181)
Carbon Disulfide	2000		1900	95	(63-138)
Methyl tert-butyl Ether	2000		1900	95	(72-136)
Methyl Acetate	2000		1600	80	(51-158)
Methylene Chloride	2000		2100	105	(67-138)
trans-1,2-Dichloroethene	2000		1900	95	(72-132)
1,1-Dichloroethane	2000		2000	100	(74-135)
Cyclohexane	2000		2100	105	(67-132)
2-Butanone	10000		10000	100	(64-146)
Carbon Tetrachloride	2000		1800	90	(71-134)
cis-1,2-Dichloroethene	2000		1900	95	(74-130)
Chloroform	2000		2000	100	(74-134)
1,1,1-Trichloroethane	2000		2000	100	(74-133)
Methylcyclohexane	2000		2000	100	(71-125)
Benzene	2000		2000	100	(75-125)
1,2-Dichloroethane	2000		2200	110	(76-130)
Trichloroethene	2000		2100	105	(73-127)
1,2-Dichloropropane	2000		2100	105	(76-125)
Bromodichloromethane	2000		2200	110	(78-127)
4-Methyl-2-Pentanone	10000		11000	110	(71-140)
Toluene	2000		2100	105	(74-125)
t-1,3-Dichloropropene	2000		2200	110	(74-131)
cis-1,3-Dichloropropene	2000		2200	110	(74-128)
1,1,2-Trichloroethane	2000		2200	110	(75-129)
2-Hexanone	10000		11000	110	(62-153)
Dibromochloromethane	2000		2100	105	(74-131)
1,2-Dibromoethane	2000		2100	105	(74-129)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BSH1024M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH043925.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	2000		1800	90	(46-157)
Chlorobenzene	2000		2100	105	(76-123)
Ethyl Benzene	2000		2000	100	(75-126)
m/p-Xylenes	4000		4200	105	(74-126)
o-Xylene	2000		2000	100	(73-127)
Styrene	2000		2100	105	(75-126)
Bromoform	2000		2000	100	(66-130)
Isopropylbenzene	2000		2200	110	(70-127)
1,1,2,2-Tetrachloroethane	2000		2200	110	(66-131)
1,3-Dichlorobenzene	2000		2200	110	(70-125)
1,4-Dichlorobenzene	2000		2200	110	(71-124)
1,2-Dichlorobenzene	2000		2200	110	(71-126)
1,2-Dibromo-3-Chloropropane	2000		2200	110	(62-134)
1,2,4-Trichlorobenzene	2000		2000	100	(62-129)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BST1018S1 Analytical Method: EPA SW846 8260 Datafile : VT000824.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		19	95	(47-135)
Chloromethane	20		19	95	(56-130)
Vinyl Chloride	20		20	100	(60-125)
Bromomethane	20		23	115	(45-158)
Chloroethane	20		23	115	(42-155)
Trichlorofluoromethane	20		22	110	(55-146)
1,1,2-Trichlorotrifluoroethane	20		26	130	(65-134)
1,1-Dichloroethene	20		20	100	(65-135)
Acetone	100		130	130	(57-148)
Carbon Disulfide	20		22	110	(60-138)
Methyl tert-butyl Ether	20		19	95	(70-131)
Methyl Acetate	20		21	105	(44-187)
Methylene Chloride	20		20	100	(63-140)
trans-1,2-Dichloroethene	20		19	95	(73-130)
1,1-Dichloroethane	20		20	100	(75-125)
Cyclohexane	20		18	90	(66-132)
2-Butanone	100		96	96	(52-153)
Carbon Tetrachloride	20		20	100	(74-122)
cis-1,2-Dichloroethene	20		20	100	(75-125)
Chloroform	20		21	105	(75-125)
1,1,1-Trichloroethane	20		20	100	(75-128)
Methylcyclohexane	20		19	95	(71-124)
Benzene	20		21	105	(79-122)
1,2-Dichloroethane	20		21	105	(75-132)
Trichloroethene	20		21	105	(77-120)
1,2-Dichloropropane	20		21	105	(76-120)
Bromodichloromethane	20		21	105	(77-124)
4-Methyl-2-Pentanone	100		100	100	(70-141)
Toluene	20		21	105	(78-121)
t-1,3-Dichloropropene	20		20	100	(76-125)
cis-1,3-Dichloropropene	20		20	100	(79-122)
1,1,2-Trichloroethane	20		22	110	(76-125)
2-Hexanone	100		95	95	(55-145)
Dibromochloromethane	20		21	105	(73-126)
1,2-Dibromoethane	20		21	105	(76-125)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BST1018S1 Analytical Method: EPA SW846 8260 Datafile : VT000824.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		22	110	(65-140)
Chlorobenzene	20		21	105	(79-120)
Ethyl Benzene	20		21	105	(77-120)
m/p-Xylenes	40		44	110	(80-120)
o-Xylene	20		23	115	(78-119)
Styrene	20		23	115	(80-119)
Bromoform	20		22	110	(71-125)
Isopropylbenzene	20		20	100	(77-124)
1,1,2,2-Tetrachloroethane	20		20	100	(77-130)
1,3-Dichlorobenzene	20		21	105	(82-121)
1,4-Dichlorobenzene	20		21	105	(82-118)
1,2-Dichlorobenzene	20		21	105	(81-120)
1,2-Dibromo-3-Chloropropane	20		19	95	(66-132)
1,2,4-Trichlorobenzene	20		20	100	(71-124)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BST1020S1 Analytical Method: EPA SW846 8260 Datafile : VT000856.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		16	80	(50-142)
Chloromethane	20		17	85	(65-131)
Vinyl Chloride	20		17	85	(67-130)
Bromomethane	20		21	105	(64-136)
Chloroethane	20		20	100	(66-146)
Trichlorofluoromethane	20		21	105	(72-134)
1,1,2-Trichlorotrifluoroethane	20		23	115	(73-133)
1,1-Dichloroethene	20		20	100	(74-130)
Acetone	100		110	110	(57-135)
Carbon Disulfide	20		20	100	(71-130)
Methyl tert-butyl Ether	20		19	95	(76-123)
Methyl Acetate	20		20	100	(62-146)
Methylene Chloride	20		19	95	(73-134)
trans-1,2-Dichloroethene	20		18	90	(76-125)
1,1-Dichloroethane	20		19	95	(78-124)
Cyclohexane	20		16	80	(72-130)
2-Butanone	100		93	93	(68-132)
Carbon Tetrachloride	20		19	95	(76-127)
cis-1,2-Dichloroethene	20		20	100	(78-122)
Chloroform	20		20	100	(79-122)
1,1,1-Trichloroethane	20		19	95	(76-126)
Methylcyclohexane	20		18	90	(75-127)
Benzene	20		20	100	(79-124)
1,2-Dichloroethane	20		20	100	(78-124)
Trichloroethene	20		20	100	(78-124)
1,2-Dichloropropane	20		20	100	(76-124)
Bromodichloromethane	20		21	105	(78-122)
4-Methyl-2-Pentanone	100		98	98	(73-135)
Toluene	20		19	95	(78-124)
t-1,3-Dichloropropene	20		19	95	(77-123)
cis-1,3-Dichloropropene	20		19	95	(79-120)
1,1,2-Trichloroethane	20		21	105	(78-123)
2-Hexanone	100		95	95	(71-134)
Dibromochloromethane	20		21	105	(77-121)
1,2-Dibromoethane	20		20	100	(78-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BST1020S1 Analytical Method: EPA SW846 8260 Datafile : VT000856.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		20	100	(67-134)
Chlorobenzene	20		21	105	(80-121)
Ethyl Benzene	20		20	100	(80-123)
m/p-Xylenes	40		41	103	(79-126)
o-Xylene	20		22	110	(80-122)
Styrene	20		22	110	(81-121)
Bromoform	20		22	110	(73-124)
Isopropylbenzene	20		19	95	(79-123)
1,1,2,2-Tetrachloroethane	20		20	100	(79-124)
1,3-Dichlorobenzene	20		20	100	(82-120)
1,4-Dichlorobenzene	20		20	100	(81-120)
1,2-Dichlorobenzene	20		20	100	(82-118)
1,2-Dibromo-3-Chloropropane	20		18	90	(72-127)
1,2,4-Trichlorobenzene	20		20	100	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129

Matrix Spike - EPA Sample No : BST1021S1 Analytical Method: EPA SW846 8260 Datafile : VT000879.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		17	85	(50-142)
Chloromethane	20		19	95	(65-131)
Vinyl Chloride	20		19	95	(67-130)
Bromomethane	20		22	110	(64-136)
Chloroethane	20		21	105	(66-146)
Trichlorofluoromethane	20		20	100	(72-134)
1,1,2-Trichlorotrifluoroethane	20		26	130	(73-133)
1,1-Dichloroethene	20		21	105	(74-130)
Acetone	100		120	120	(57-135)
Carbon Disulfide	20		22	110	(71-130)
Methyl tert-butyl Ether	20		19	95	(76-123)
Methyl Acetate	20		19	95	(62-146)
Methylene Chloride	20		18	90	(73-134)
trans-1,2-Dichloroethene	20		19	95	(76-125)
1,1-Dichloroethane	20		18	90	(78-124)
Cyclohexane	20		17	85	(72-130)
2-Butanone	100		91	91	(68-132)
Carbon Tetrachloride	20		18	90	(76-127)
cis-1,2-Dichloroethene	20		19	95	(78-122)
Chloroform	20		19	95	(79-122)
1,1,1-Trichloroethane	20		19	95	(76-126)
Methylcyclohexane	20		17	85	(75-127)
Benzene	20		19	95	(79-124)
1,2-Dichloroethane	20		20	100	(78-124)
Trichloroethene	20		19	95	(78-124)
1,2-Dichloropropane	20		19	95	(76-124)
Bromodichloromethane	20		20	100	(78-122)
4-Methyl-2-Pentanone	100		94	94	(73-135)
Toluene	20		19	95	(78-124)
t-1,3-Dichloropropene	20		19	95	(77-123)
cis-1,3-Dichloropropene	20		19	95	(79-120)
1,1,2-Trichloroethane	20		20	100	(78-123)
2-Hexanone	100		90	90	(71-134)
Dibromochloromethane	20		20	100	(77-121)
1,2-Dibromoethane	20		20	100	(78-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4129 SAS No : C4129 SDG No: C4129Matrix Spike - EPA Sample No : BST1021S1 Analytical Method: EPA SW846 8260 Datafile : VT000879.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		20	100	(67-134)
Chlorobenzene	20		20	100	(80-121)
Ethyl Benzene	20		19	95	(80-123)
m/p-Xylenes	40		40	100	(79-126)
o-Xylene	20		21	105	(80-122)
Styrene	20		21	105	(81-121)
Bromoform	20		21	105	(73-124)
Isopropylbenzene	20		18	90	(79-123)
1,1,2,2-Tetrachloroethane	20		19	95	(79-124)
1,3-Dichlorobenzene	20		19	95	(82-120)
1,4-Dichlorobenzene	20		18	90	(81-120)
1,2-Dichlorobenzene	20		18	90	(82-118)
1,2-Dibromo-3-Chloropropane	20		17	85	(72-127)
1,2,4-Trichlorobenzene	20		18	90	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1019S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4129SAS No.: C4129 SDG NO.: C4129Lab File ID: VF029040.DLab Sample ID: VBF1019S1Date Analyzed: 10/19/2011Time Analyzed: 13:06GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1019S1	BSF1019S1	VF029041.D	10/19/2011
SB01-6.0	C4129-02	VF029049.D	10/19/2011
SB02-3.5RE	C4129-03RE	VF029050.D	10/19/2011
SB01-1.5DL	C4129-01DL	VF029051.D	10/19/2011

COMMENTS: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH1023M1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4129SAS No.: C4129 SDG NO.: C4129Lab File ID: VH043897.DLab Sample ID: VBH1023M1Date Analyzed: 10/23/2011Time Analyzed: 14:39GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSH1023M1	BSH1023M1	VH043900.D	10/23/2011
SB04-3.5DL	C4129-07DL	VH043911.D	10/23/2011
SB06-1.0DL	C4129-11DL	VH043914.D	10/23/2011
SB06-5.5DL	C4129-12DL	VH043915.D	10/23/2011

COMMENTS: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH1024M1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4129SAS No.: C4129 SDG NO.: C4129Lab File ID: VH043923.DLab Sample ID: VBH1024M1Date Analyzed: 10/24/2011Time Analyzed: 11:19GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSH1024M1	BSH1024M1	VH043925.D	10/24/2011
SB04-3.5DL2	C4129-07DL2	VH043930.D	10/24/2011
SB05-3.5DL	C4129-09DL	VH043931.D	10/24/2011
SB05-7.5DL	C4129-10DL	VH043932.D	10/24/2011

COMMENTS: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBT1018S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4129SAS No.: C4129 SDG NO.: C4129Lab File ID: VT000823.DLab Sample ID: VBT1018S1Date Analyzed: 10/18/2011Time Analyzed: 11:28GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_T

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BST1018S1	BST1018S1	VT000824.D	10/18/2011
SB01-1.5	C4129-01	VT000838.D	10/18/2011
SB02-3.5	C4129-03	VT000840.D	10/18/2011

COMMENTS:



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBT1020S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4129SAS No.: C4129 SDG NO.: C4129Lab File ID: VT000855.DLab Sample ID: VBT1020S1Date Analyzed: 10/20/2011Time Analyzed: 12:05GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_T

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BST1020S1	BST1020S1	VT000856.D	10/20/2011
SB02-7.0	C4129-04	VT000857.D	10/20/2011
SB03-1.5	C4129-05	VT000858.D	10/20/2011
SB03-6.0	C4129-06	VT000859.D	10/20/2011
SB05-3.5	C4129-09	VT000860.D	10/20/2011
SB05-7.5	C4129-10	VT000861.D	10/20/2011
SB06-1.0	C4129-11	VT000862.D	10/20/2011
SB07-1.0	C4129-13	VT000866.D	10/20/2011
SB08-1.5	C4129-15	VT000867.D	10/20/2011
SB08-6.0	C4129-16	VT000868.D	10/20/2011
SB09-1.5	C4129-17	VT000869.D	10/20/2011
SB09-4.5	C4129-18	VT000870.D	10/20/2011
SB10-1.0	C4129-19	VT000871.D	10/20/2011
SB10-3.0	C4129-20	VT000872.D	10/20/2011
SB02-7.0MS	C4129-04MS	VT000873.D	10/20/2011
SB02-7.0MSD	C4129-04MSD	VT000874.D	10/20/2011

COMMENTS: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBT1021S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4129SAS No.: C4129 SDG NO.: C4129Lab File ID: VT000878.DLab Sample ID: VBT1021S1Date Analyzed: 10/21/2011Time Analyzed: 13:06GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_T

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BST1021S1	BST1021S1	VT000879.D	10/21/2011
SB03-1.5RE	C4129-05RE	VT000880.D	10/21/2011
SB10-3.0DL	C4129-20DL	VT000881.D	10/21/2011
SB04-3.5	C4129-07	VT000887.D	10/21/2011
SB07-5.5	C4129-14	VT000893.D	10/21/2011
SB04-6.0	C4129-08	VT000894.D	10/21/2011
SB06-5.5	C4129-12	VT000895.D	10/21/2011

COMMENTS: _____



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VF028937.D BFB Injection Date: 10/14/2011
Instrument ID: MSVOA_F BFB Injection Time: 10:59
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	7 (8.4) 1
176	95.0 - 101.0% of mass 174	80.9 (98) 1
177	5.0 - 9.0% of mass 176	5.5 (6.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005	5 PPB ICC	VF028938.D	10/14/2011	12:04
VSTD010	10 PPB ICC	VF028939.D	10/14/2011	12:35
VSTD020	20 PPB ICC	VF028940.D	10/14/2011	13:06
VSTD050	50 PPB ICC	VF028941.D	10/14/2011	13:37
VSTD075	75 PPB ICC	VF028942.D	10/14/2011	14:09
VSTD100	100 PPB ICC	VF028943.D	10/14/2011	14:40



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VF029037.D BFB Injection Date: 10/19/2011
Instrument ID: MSVOA_F BFB Injection Time: 10:50
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	40.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	97.3
175	5.0 - 9.0% of mass 174	7.1 (7.3) 1
176	95.0 - 101.0% of mass 174	95.6 (98.2) 1
177	5.0 - 9.0% of mass 176	6.2 (6.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VF029039.D	10/19/2011	12:18
VBF1019S1	VBF1019S1	VF029040.D	10/19/2011	13:06
BSF1019S1	BSF1019S1	VF029041.D	10/19/2011	13:37
SB01-6.0	C4129-02	VF029049.D	10/19/2011	18:03
SB02-3.5RE	C4129-03RE	VF029050.D	10/19/2011	18:34
SB01-1.5DL	C4129-01DL	VF029051.D	10/19/2011	19:06



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VH043864.D BFB Injection Date: 10/22/2011
Instrument ID: MSVOAH BFB Injection Time: 10:47
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	30.5
75	30.0 - 60.0% of mass 95	54.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.1
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	5.2 (6.8) 1
176	95.0 - 101.0% of mass 174	77 (100.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005	5 PPB ICC	VH043865.D	10/22/2011	11:56
VSTD010	10 PPB ICC	VH043866.D	10/22/2011	12:25
VSTD020	20 PPB ICC	VH043867.D	10/22/2011	12:54
VSTD050	50 PPB ICC	VH043868.D	10/22/2011	13:23
VSTD100	100 PPB ICC	VH043869.D	10/22/2011	13:52
VSTD150	150 PPB ICC	VH043870.D	10/22/2011	14:21



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VH043895.D BFB Injection Date: 10/23/2011
Instrument ID: MSVOAH BFB Injection Time: 12:41
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.6
75	30.0 - 60.0% of mass 95	56.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	5.8 (7.1) 1
176	95.0 - 101.0% of mass 174	80.4 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VH043896.D	10/23/2011	13:14
VBH1023M1	VBH1023M1	VH043897.D	10/23/2011	14:39
BSH1023M1	BSH1023M1	VH043900.D	10/23/2011	16:08
SB04-3.5DL	C4129-07DL	VH043911.D	10/23/2011	21:23
SB06-1.0DL	C4129-11DL	VH043914.D	10/23/2011	22:49
SB06-5.5DL	C4129-12DL	VH043915.D	10/23/2011	23:17



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VH043921.D BFB Injection Date: 10/24/2011
Instrument ID: MSVOAH BFB Injection Time: 09:39
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	28.4
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	80.6
175	5.0 - 9.0% of mass 174	5.5 (6.9) 1
176	95.0 - 101.0% of mass 174	81.3 (100.9) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VH043922.D	10/24/2011	10:24
VBH1024M1	VBH1024M1	VH043923.D	10/24/2011	11:19
BSH1024M1	BSH1024M1	VH043925.D	10/24/2011	12:26
SB04-3.5DL2	C4129-07DL2	VH043930.D	10/24/2011	14:50
SB05-3.5DL	C4129-09DL	VH043931.D	10/24/2011	15:18
SB05-7.5DL	C4129-10DL	VH043932.D	10/24/2011	15:47



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000678.D BFB Injection Date: 10/11/2011
Instrument ID: MSVOA T BFB Injection Time: 09:51
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	5.1 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5 (7.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005	5 PPB ICC	VT000679.D	10/11/2011	10:43
VSTD010	10 PPB ICC	VT000680.D	10/11/2011	11:13
VSTD020	20 PPB ICC	VT000681.D	10/11/2011	11:43
VSTD050	50 PPB ICC	VT000682.D	10/11/2011	12:12
VSTD100	100 PPB ICC	VT000683.D	10/11/2011	12:42



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000821.D BFB Injection Date: 10/18/2011
Instrument ID: MSVOA T BFB Injection Time: 10:01
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (0.5) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	68.4 (97.7) 1
177	5.0 - 9.0% of mass 176	5 (7.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VT000822.D	10/18/2011	10:45
VBT1018S1	VBT1018S1	VT000823.D	10/18/2011	11:28
BST1018S1	BST1018S1	VT000824.D	10/18/2011	12:13
SB01-1.5	C4129-01	VT000838.D	10/18/2011	19:14
SB02-3.5	C4129-03	VT000840.D	10/18/2011	20:14



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000853.D BFB Injection Date: 10/20/2011
Instrument ID: MSVOA T BFB Injection Time: 10:41
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	8.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	71.6
175	5.0 - 9.0% of mass 174	6 (8.4) 1
176	95.0 - 101.0% of mass 174	71.8 (100.3) 1
177	5.0 - 9.0% of mass 176	5.1 (7.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VT000854.D	10/20/2011	11:21
VBT1020S1	VBT1020S1	VT000855.D	10/20/2011	12:05
BST1020S1	BST1020S1	VT000856.D	10/20/2011	12:34
SB02-7.0	C4129-04	VT000857.D	10/20/2011	13:15
SB03-1.5	C4129-05	VT000858.D	10/20/2011	13:45
SB03-6.0	C4129-06	VT000859.D	10/20/2011	14:14
SB05-3.5	C4129-09	VT000860.D	10/20/2011	14:44
SB05-7.5	C4129-10	VT000861.D	10/20/2011	15:14
SB06-1.0	C4129-11	VT000862.D	10/20/2011	15:44
SB07-1.0	C4129-13	VT000866.D	10/20/2011	17:43
SB08-1.5	C4129-15	VT000867.D	10/20/2011	18:13
SB08-6.0	C4129-16	VT000868.D	10/20/2011	18:43
SB09-1.5	C4129-17	VT000869.D	10/20/2011	19:13
SB09-4.5	C4129-18	VT000870.D	10/20/2011	19:44
SB10-1.0	C4129-19	VT000871.D	10/20/2011	20:14
SB10-3.0	C4129-20	VT000872.D	10/20/2011	20:43
SB02-7.0MS	C4129-04MS	VT000873.D	10/20/2011	21:13
SB02-7.0MSD	C4129-04MSD	VT000874.D	10/20/2011	21:43



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000875.D BFB Injection Date: 10/21/2011
Instrument ID: MSVOA T BFB Injection Time: 10:00
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.8 (8.1) 1
176	95.0 - 101.0% of mass 174	69 (96.4) 1
177	5.0 - 9.0% of mass 176	5.1 (7.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VT000877.D	10/21/2011	12:23
VBT1021S1	VBT1021S1	VT000878.D	10/21/2011	13:06
BST1021S1	BST1021S1	VT000879.D	10/21/2011	13:36
SB03-1.5RE	C4129-05RE	VT000880.D	10/21/2011	14:06
SB10-3.0DL	C4129-20DL	VT000881.D	10/21/2011	14:36
SB04-3.5	C4129-07	VT000887.D	10/21/2011	17:35
SB07-5.5	C4129-14	VT000893.D	10/21/2011	20:34
SB04-6.0	C4129-08	VT000894.D	10/21/2011	21:04
SB06-5.5	C4129-12	VT000895.D	10/21/2011	21:34



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VF029039.D Date Analyzed: 10/19/2011
Instrument ID: MSVOA_F Time Analyzed: 12:18
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	301507	4.38	433627	5.13	417899	9.34
UPPER LIMIT	603014	4.88	867254	5.63	835798	9.84
LOWER LIMIT	150753.5	3.88	216813.5	4.63	208949.5	8.84
EPA SAMPLE NO.						
BSF1019S1	300030	4.38	434345	5.12	413905	9.34
SB01-1.5DL	299124	4.39	442382	5.13	422045	9.34
SB01-6.0	271039	4.39	388150	5.13	375739	9.35
SB02-3.5RE	279700	4.38	419088	5.13	325231	9.34
VBF1019S1	319183	4.38	452599	5.13	418801	9.34

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VF029039.D Date Analyzed: 10/19/2011
Instrument ID: MSVOA_F Time Analyzed: 12:18
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	275264	12.25				
UPPER LIMIT	550528	12.75				
LOWER LIMIT	137632	11.75				
EPA SAMPLE NO.						
BSF1019S1	270389	12.25				
SB01-1.5DL	236213	12.26				
SB01-6.0	230324	12.25				
SB02-3.5RE	115666 *	12.26				
VBF1019S1	265088	12.25				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VH043896.D Date Analyzed: 10/23/2011
Instrument ID: MSVOAH Time Analyzed: 13:14
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1155809	4.87	1776158	5.57	1585580	9.64
UPPER LIMIT	2311618	5.37	3552316	6.07	3171160	10.14
LOWER LIMIT	577904.5	4.37	888079	5.07	792790	9.14
EPA SAMPLE NO.						
BSH1023M1	1287307	4.87	1958275	5.57	1664659	9.64
SB04-3.5DL	1059930	4.86	1681546	5.56	1568815	9.63
SB06-1.0DL	1303353	4.86	2046717	5.56	1865419	9.64
SB06-5.5DL	1305759	4.86	2074613	5.56	1884890	9.64
VBH1023M1	1224455	4.86	1938777	5.56	1872844	9.63

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VH043896.D Date Analyzed: 10/23/2011
Instrument ID: MSVOAH Time Analyzed: 13:14
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	975484	12.41				
UPPER LIMIT	1950968	12.91				
LOWER LIMIT	487742	11.91				
EPA SAMPLE NO.						
BSH1023M1	1018846	12.41				
SB04-3.5DL	995884	12.41				
SB06-1.0DL	1087749	12.42				
SB06-5.5DL	1169455	12.42				
VBH1023M1	1129664	12.41				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VH043922.D Date Analyzed: 10/24/2011
Instrument ID: MSVOAH Time Analyzed: 10:24
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1612763	4.87	2392238	5.57	2079433	9.64
UPPER LIMIT	3225526	5.37	4784476	6.07	4158866	10.14
LOWER LIMIT	806381.5	4.37	1196119	5.07	1039717	9.14
EPA SAMPLE NO.						
BSH1024M1	1261534	4.87	1973974	5.57	1772374	9.64
SB04-3.5DL2	1089642	4.87	1754125	5.57	1722234	9.65
SB05-3.5DL	1105293	4.87	1767572	5.57	1739005	9.64
SB05-7.5DL	1112752	4.85	1799047	5.56	1774011	9.64
VBH1024M1	1463814	4.86	2281197	5.56	2112991	9.63

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VH043922.D Date Analyzed: 10/24/2011
Instrument ID: MSVOAH Time Analyzed: 10:24
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	1205638	12.41				
UPPER LIMIT	2411276	12.91				
LOWER LIMIT	602819	11.91				
EPA SAMPLE NO.						
BSH1024M1	1004011	12.42				
SB04-3.5DL2	1066222	12.42				
SB05-3.5DL	1041967	12.42				
SB05-7.5DL	1083030	12.41				
VBH1024M1	1189997	12.41				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000822.D Date Analyzed: 10/18/2011
Instrument ID: MSVOA_T Time Analyzed: 10:45
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	593473	8.05	894088	8.95	521135	11.71
UPPER LIMIT	1186946	8.55	1788176	9.45	1042270	12.21
LOWER LIMIT	296736.5	7.55	447044	8.45	260567.5	11.21
EPA SAMPLE NO.						
BST1018S1	519573	8.05	802128	8.95	478679	11.71
SB01-1.5	523105	8.06	888911	8.96	465693	11.71
SB02-3.5	523456	8.05	882985	8.96	418552	11.71
VBT1018S1	634485	8.05	998968	8.96	551120	11.71

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000822.D Date Analyzed: 10/18/2011
Instrument ID: MSVOA_T Time Analyzed: 10:45
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	337976	13.62				
UPPER LIMIT	675952	14.12				
LOWER LIMIT	168988	13.12				
EPA SAMPLE NO.						
BST1018S1	303709	13.62				
SB01-1.5	198441	13.62				
SB02-3.5	141319 *	13.62				
VBT1018S1	325538	13.62				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000877.D Date Analyzed: 10/21/2011
Instrument ID: MSVOA_T Time Analyzed: 12:23
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	664484	8.05	1012168	8.95	582802	11.71
UPPER LIMIT	1328968	8.55	2024336	9.45	1165604	12.21
LOWER LIMIT	332242	7.55	506084	8.45	291401	11.21
EPA SAMPLE NO.						
BST1021S1	583747	8.05	901780	8.95	544649	11.71
SB03-1.5RE	571335	8.06	919818	8.96	445758	11.71
SB04-3.5	587250	8.06	913606	8.96	408039	11.71
SB04-6.0	481718	8.05	826475	8.95	487123	11.71
SB06-5.5	317544 *	8.06	850177	8.96	483548	11.71
SB07-5.5	486960	8.06	829323	8.96	484628	11.71
SB10-3.0DL	550805	8.06	912867	8.96	518845	11.71
VBT1021S1	643581	8.05	993841	8.95	541569	11.71

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4129 SAS No.: C4129 SDG NO.: C4129
Lab File ID: VT000877.D Date Analyzed: 10/21/2011
Instrument ID: MSVOA_T Time Analyzed: 12:23
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	364302	13.62				
UPPER LIMIT	728604	14.12				
LOWER LIMIT	182151	13.12				
EPA SAMPLE NO.						
BST1021S1	355269	13.62				
SB03-1.5RE	168249 *	13.62				
SB04-3.5	157766 *	13.62				
SB04-6.0	287335	13.62				
SB06-5.5	196712	13.63				
SB07-5.5	287523	13.62				
SB10-3.0DL	299948	13.62				
VBT1021S1	326536	13.62				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : CHEMICAL SALES SITE

**ARCADIS INC.
855 Route 146, Suite 210**

**Clifton Park , NY - 12065
Phone No: 5182507300**

**ORDER ID : C4131
ATTENTION : Mark Flusche**

Cover Page

Order ID : C4131

Project ID : Chemical Sales site

Client : Arcadis Inc.

Lab Sample Number

C4131-01
C4131-02
C4131-03
C4131-04
C4131-05
C4131-06
C4131-07
C4131-08
C4131-09
C4131-10
C4131-11
C4131-12
C4131-13
C4131-14
C4131-15
C4131-16
C4131-17
C4131-18
C4131-19
C4131-20

Client Sample Number

SB11-1.0
SB11-3.0
SB12-1.5
SB12-4.0
SB13-3.5
SB13-6.0
SB14-1.5
C4131-07MS
C4131-07MSD
SB14-6.5
SB15-3.5
SB15-6.5
SB16-3.5
SB16-6.0
SB17-3.5
SB17-6.0
SB18-1.0
SB18-3.0
SB19-1.0
SB19-2.8

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB11-1.0	C4131-01	8260B					Chemtech -SOP
SB11-3.0	C4131-02	8260B					Chemtech -SOP
SB12-1.5	C4131-03	8260B					Chemtech -SOP
SB12-4.0	C4131-04	8260B					Chemtech -SOP
SB13-3.5	C4131-05	8260B					Chemtech -SOP
SB13-6.0	C4131-06	8260B					Chemtech -SOP
SB14-1.5	C4131-07	8260B					Chemtech -SOP
SB14-6.5	C4131-10	8260B					Chemtech -SOP
SB15-3.5	C4131-11	8260B					Chemtech -SOP
SB15-6.5	C4131-12	8260B					Chemtech -SOP
SB16-3.5	C4131-13	8260B					Chemtech -SOP
SB16-6.0	C4131-14	8260B					Chemtech -SOP
SB17-3.5	C4131-15	8260B					Chemtech -SOP
SB17-6.0	C4131-16	8260B					Chemtech -SOP
SB18-1.0	C4131-17	8260B					Chemtech -SOP
SB18-3.0	C4131-18	8260B					Chemtech -SOP
SB19-1.0	C4131-19	8260B					Chemtech -SOP
SB19-2.8	C4131-20	8260B					Chemtech -SOP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE
(VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C4131-01	SOIL	10/11/11	10/13/11		10/21/11
C4131-02	SOIL	10/11/11	10/13/11		10/21/11
C4131-03	SOIL	10/11/11	10/13/11		10/21/11
C4131-04	SOIL	10/11/11	10/13/11		10/21/11
C4131-05	SOIL	10/11/11	10/13/11		10/21/11
C4131-06	SOIL	10/11/11	10/13/11		10/24/11
C4131-07	SOIL	10/12/11	10/13/11		10/24/11
C4131-10	SOIL	10/12/11	10/13/11		10/24/11
C4131-11	SOIL	10/12/11	10/13/11		10/24/11
C4131-12	SOIL	10/12/11	10/13/11		10/24/11
C4131-13	SOIL	10/12/11	10/13/11		10/24/11
C4131-14	SOIL	10/12/11	10/13/11		10/24/11
C4131-15	SOIL	10/12/11	10/13/11		10/24/11
C4131-16	SOIL	10/12/11	10/13/11		10/25/11
C4131-17	SOIL	10/12/11	10/13/11		10/24/11
C4131-18	SOIL	10/12/11	10/13/11		10/25/11
C4131-19	SOIL	10/12/11	10/13/11		10/25/11
C4131-20	SOIL	10/12/11	10/13/11		10/25/11

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C4131-01	Solid	8260B	5035		
C4131-02	Solid	8260B	5035		
C4131-03	Solid	8260B	5035		
C4131-04	Solid	8260B	5035		
C4131-05	Solid	8260B	5035		
C4131-06	Solid	8260B	5035		
C4131-07	Solid	8260B	5035		
C4131-08	Solid	8260B	5035		
C4131-09	Solid	8260B	5035		
C4131-10	Solid	8260B	5035		
C4131-11	Solid	8260B	5035		
C4131-12	Solid	8260B	5035		
C4131-13	Solid	8260B	5035		
C4131-14	Solid	8260B	5035		
C4131-15	Solid	8260B	5035		
C4131-16	Solid	8260B	5035		
C4131-17	Solid	8260B	5035		
C4131-18	Solid	8260B	5035		
C4131-19	Solid	8260B	5035		
C4131-20	Solid	8260B	5035		



CASE NARRATIVE

Arcadis Inc.

Project Name: Chemical Sales site

Project # N/A

Chemtech Project # C4131

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

20 Solid samples were received on 10/13/2011.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike for {BSF1021S1} with File ID: VF029065.D met requirements for all samples except for 1,1,2-Trichlorotrifluoroethane[160%], 1,2,4-Trichlorobenzene[135%], Bromomethane[185%], Chloroethane[160%], Chloromethane[135%], Dichlorodifluoromethane[175%], Trichlorofluoromethane[160%] and Vinyl chloride[155%].

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID VF029063.D met the requirements except for Dichlorodifluoromethane, Vinyl Chloride, Bromomethane, Trichlorofluoromethane, 1,1,2-Trichlorotrifluoroethane, Carbon Disulfide, Chloroethane and 1,2,4-Trichlorobenzene. These compounds are not present in any of the samples associated with this CCC.

The Continuous Calibration File ID VF029086.D met the requirements except for Trichlorofluoromethane, Cyclohexane (marginally low 20.9), 1,2,4-Trichlorobenzene and 2-Butanone. These compounds are not present in any of the samples associated with this CCC.



The Continuous Calibration File ID VF029108.D met the requirements except for Bromomethane, Trichlorofluoromethane, 1,1-Dichloroethene, Carbon Disulfide, Chloroethane and 1,2,4-Trichlorobenzene. These compounds are not present in any of the samples associated with this CCC. The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. C4131
QUOTE NO.
COC Number 020013

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION												
REPORT TO BE SENT TO: COMPANY: <u>Arcadis</u> ADDRESS: <u>855 Rt. 146</u> CITY: <u>Clifton Park</u> STATE: <u>NY</u> ZIP: <u>12065</u> ATTENTION: <u>Mark Flusche</u> PHONE: <u>518-250-7300</u> FAX: <u>518-250-7301</u>				PROJECT NAME: <u>Chemsales</u> PROJECT NO: <u>00266393</u> LOCATION: <u>Gates NY</u> PROJECT MANAGER: <u>Dan Lang</u> e-mail: <u>dlang@Arcadis-us.com</u> PHONE: _____ FAX: _____				BILL TO: _____ PO#: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____												
DATA TURNAROUND INFORMATION FAX: _____ DAYS * HARD COPY: <u>Standard</u> DAYS * EDD: _____ DAYS * PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD FORMAT _____				ANALYSIS 1 2 3 4 5 6 7 8 9 <i>SLAB TALIST</i>												
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS			
			COMP	GRAB	DATE	TIME		E	1	2	3	4	5	6	7	8		9		
1.	SB11 1.0'	Soil		X	10/11/11	1600	1	X												
2.	SB11 3.0'			X		1610	1	X												
3.	SB12 1.5'			X		1620	1	X												
4.	SB12 4.0'			X		1625	1	X												
5.	SB13 3.5'			X		1635	1	X												
6.	SB13 6.0'			X		1640	1	X												
7.	SB14 1.5'			X	10/12/11	0930	1	X												
8.	SB14 1.5' MSD			X		0930	1	X												
9.	SB14 1.5' MSD			X		0930	1	X												
10.	SB14 6.5'			X		0940	1	X												
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																				
RELINQUISHED BY SAMPLE: 1. <u>D. Smith</u>		DATE/TIME: <u>10/12/11 1530</u>		RECEIVED BY: 1. <u>[Signature]</u>		Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments:						Cooler Temp. <u>4°C</u> Ice in Cooler?: <u>yes</u>								
RELINQUISHED BY: 2.		DATE/TIME: _____		RECEIVED BY: 2.																
RELINQUISHED BY: 3. <u>Fed Ex</u>		DATE/TIME: <u>10/13/11 7:30</u>		RECEIVED FOR LAB BY: 3. <u>[Signature]</u>		Page <u>3</u> of <u>5</u>						SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT						Shipment Complete: ☒ YES ☐ NO		

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. C4131
QUOTE NO.
COC Number 020008

CLIENT INFORMATION			CLIENT PROJECT INFORMATION			CLIENT BILLING INFORMATION												
REPORT TO BE SENT TO: COMPANY: <u>Arco</u> ADDRESS: <u>855 12th 146</u> CITY: <u>Clifton Park</u> STATE: <u>NY</u> ZIP: <u>12065</u> ATTENTION: <u>Mark Fluche</u> PHONE: <u>518-250-7300</u> FAX: <u>518-250-7301</u>			PROJECT NAME: <u>Chem Sales</u> PROJECT NO: <u>0066393</u> LOCATION: <u>Wates NY</u> PROJECT MANAGER: <u>Dan Lang</u> e-mail: <u>dlang@Arco-03.com</u> PHONE: FAX:			BILL TO: PO#: ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:												
DATA TURNAROUND INFORMATION FAX: _____ DAYS * HARD COPY: <u>Standard</u> DAYS * EDD: _____ DAYS * PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD FORMAT _____			ANALYSIS 8260B TPL List												
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
11.	SB15 3.5'	Soil	X		10/12/11	1000	1	X										← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other
12.	SB15 6.5'		X			1010	1	X										
13.	SB16 3.5'		X			1030	1	X										
14.	SB16 6.0'		X			1040	1	X										
15.	SB17 3.5'		X			1050	1	X										
16.	SB17 6.0'		X			1100	1	X										
17.	SB18 1.0'		X			1150	1	X										
18.	SB18 3.0'		X			1200	1	X										
19.	SB19 1.6'		X			1300	1	X										
20.	SB19 2.8'		X			1310	1	X										
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																		
RELINQUISHED BY: <u>D Sprad</u> 1. DATE/TIME: <u>10/12/11 1530</u>		RECEIVED BY: <u>[Signature]</u> 1. DATE/TIME: _____		Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments:					Cooler Temp. <u>40C</u> Ice in Cooler?: <u>yes</u>									
RELINQUISHED BY: _____ 2. DATE/TIME: _____		RECEIVED BY: _____ 2. DATE/TIME: _____																
RELINQUISHED BY: <u>Red Ex</u> 3. DATE/TIME: <u>10/13/11 7:30</u>		RECEIVED FOR LAB BY: <u>[Signature]</u> 3. DATE/TIME: _____		Page <u>4</u> of <u>5</u>					SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT									
Shipment Complete: ☒ YES ☐ NO																		

FedEx NEW Package Express US Airbill

Tracking Number 8757 2177 0253

Form 0200

FedEx Retrieval Copy

From Date 10/12/11 Sender's FedEx Account Number 1065 14269

Sender's Name Duizet Synovids 1000 555 727 3716

Company Arcadis

Address 555 Rt. 146

City Clifton Park State NY Zip 12065

2 Your Internal Billing Reference

3 To Recipient's Name Phone

Company Chew Tech

Address 284 Sheffield St.

City Mahanville State OH Zip 43047

Address Use this box for the (DD) location address if for combination of your shipping address.

City Mahanville State OH Zip 43047



0375 0477 0000

Original Document for the Receiver

24129 10/13/11

4 Express Package Service

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the next FedEx Express freight class.

01 FedEx First Overnight

02 FedEx Priority Overnight

03 FedEx 2Day

04 FedEx Standard Overnight

05 FedEx Standard Overnight

06 FedEx Priority Overnight

07 FedEx 2Day

08 FedEx Standard Overnight

09 FedEx Priority Overnight

10 FedEx 2Day

11 FedEx Standard Overnight

12 FedEx Priority Overnight

13 FedEx 2Day

14 FedEx Standard Overnight

15 FedEx Priority Overnight

16 FedEx 2Day

17 FedEx Standard Overnight

18 FedEx Priority Overnight

19 FedEx 2Day

20 FedEx Standard Overnight

21 FedEx Priority Overnight

22 FedEx 2Day

23 FedEx Standard Overnight

24 FedEx Priority Overnight

25 FedEx 2Day

26 FedEx Standard Overnight

6 Special Handling and Delivery Signature Options

01 No Signature Required 10 Direct Signature

02 Signature Required 11 Indirect Signature

03 Signature Required 12 Signature Required

04 Signature Required 13 Signature Required

05 Signature Required 14 Signature Required

06 Signature Required 15 Signature Required

07 Signature Required 16 Signature Required

08 Signature Required 17 Signature Required

09 Signature Required 18 Signature Required



0375 0477 0000

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB11-1.0	SDG No.:	C4131
Lab Sample ID:	C4131-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	26
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029078.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.8	U	0.88	6.8	ug/Kg
74-87-3	Chloromethane	6.8	U	1.2	6.8	ug/Kg
75-01-4	Vinyl Chloride	6.8	U	1.7	6.8	ug/Kg
74-83-9	Bromomethane	6.8	U	3.3	6.8	ug/Kg
75-00-3	Chloroethane	6.8	U	1.9	6.8	ug/Kg
75-69-4	Trichlorofluoromethane	6.8	U	1.8	6.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.8	U	1.8	6.8	ug/Kg
75-35-4	1,1-Dichloroethene	6.8	U	2	6.8	ug/Kg
67-64-1	Acetone	34	U	4.1	34	ug/Kg
75-15-0	Carbon Disulfide	6.8	U	1.4	6.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.8	U	1.3	6.8	ug/Kg
79-20-9	Methyl Acetate	6.8	U	2	6.8	ug/Kg
75-09-2	Methylene Chloride	6.8	U	1.9	6.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.8	U	0.93	6.8	ug/Kg
75-34-3	1,1-Dichloroethane	6.8	U	1.3	6.8	ug/Kg
110-82-7	Cyclohexane	6.8	U	1.4	6.8	ug/Kg
78-93-3	2-Butanone	34	U	4.2	34	ug/Kg
56-23-5	Carbon Tetrachloride	6.8	U	1.3	6.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.8	U	1.2	6.8	ug/Kg
67-66-3	Chloroform	6.8	U	1	6.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.8	U	1.2	6.8	ug/Kg
108-87-2	Methylcyclohexane	6.8	U	1.4	6.8	ug/Kg
71-43-2	Benzene	6.8	U	0.51	6.8	ug/Kg
107-06-2	1,2-Dichloroethane	6.8	U	0.86	6.8	ug/Kg
79-01-6	Trichloroethene	6.8	U	1.2	6.8	ug/Kg
78-87-5	1,2-Dichloropropane	6.8	U	0.35	6.8	ug/Kg
75-27-4	Bromodichloromethane	6.8	U	0.84	6.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	34	U	3.9	34	ug/Kg
108-88-3	Toluene	6.8	U	0.86	6.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.8	U	1.1	6.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.8	U	0.97	6.8	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB11-1.0	SDG No.:	C4131
Lab Sample ID:	C4131-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	26
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029078.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.8	U	1.2	6.8	ug/Kg
591-78-6	2-Hexanone	34	U	5.3	34	ug/Kg
124-48-1	Dibromochloromethane	6.8	U	0.73	6.8	ug/Kg
106-93-4	1,2-Dibromoethane	6.8	U	0.86	6.8	ug/Kg
127-18-4	Tetrachloroethene	6.8	U	1.4	6.8	ug/Kg
108-90-7	Chlorobenzene	6.8	U	0.68	6.8	ug/Kg
100-41-4	Ethyl Benzene	6.8	U	0.84	6.8	ug/Kg
179601-23-1	m/p-Xylenes	14	U	0.97	14	ug/Kg
95-47-6	o-Xylene	6.8	U	0.92	6.8	ug/Kg
100-42-5	Styrene	6.8	U	0.61	6.8	ug/Kg
75-25-2	Bromoform	6.8	U	1	6.8	ug/Kg
98-82-8	Isopropylbenzene	6.8	U	0.65	6.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.8	U	0.62	6.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.8	U	0.5	6.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.8	U	0.55	6.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.8	U	0.84	6.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.8	U	1.2	6.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.8	U	0.95	6.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.8		56 - 120	90%	SPK: 50
1868-53-7	Dibromofluoromethane	48		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	48.1		67 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		33 - 141	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218556	4.35			
540-36-3	1,4-Difluorobenzene	319883	5.1			
3114-55-4	Chlorobenzene-d5	328862	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	216209	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB11-3.0	SDG No.:	C4131
Lab Sample ID:	C4131-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029079.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.8	U	0.75	5.8	ug/Kg
74-87-3	Chloromethane	5.8	U	0.99	5.8	ug/Kg
75-01-4	Vinyl Chloride	5.8	U	1.4	5.8	ug/Kg
74-83-9	Bromomethane	5.8	U	2.8	5.8	ug/Kg
75-00-3	Chloroethane	5.8	U	1.6	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	5.8	U	1.5	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8	U	1.5	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	5.8	U	1.7	5.8	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.8	U	1.2	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.8	U	1.1	5.8	ug/Kg
79-20-9	Methyl Acetate	5.8	U	1.7	5.8	ug/Kg
75-09-2	Methylene Chloride	5.8	U	1.6	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.8	U	0.8	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	5.8	U	1.1	5.8	ug/Kg
110-82-7	Cyclohexane	5.8	U	1.2	5.8	ug/Kg
78-93-3	2-Butanone	29	U	3.6	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.8	U	1.1	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.8	U	1	5.8	ug/Kg
67-66-3	Chloroform	5.8	U	0.85	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	1	5.8	ug/Kg
108-87-2	Methylcyclohexane	5.8	U	1.2	5.8	ug/Kg
71-43-2	Benzene	5.8	U	0.44	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	5.8	U	0.74	5.8	ug/Kg
79-01-6	Trichloroethene	5.8	U	0.99	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	5.8	U	0.3	5.8	ug/Kg
75-27-4	Bromodichloromethane	5.8	U	0.72	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.4	29	ug/Kg
108-88-3	Toluene	5.8	U	0.74	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.8	U	0.91	5.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.8	U	0.83	5.8	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB11-3.0	SDG No.:	C4131
Lab Sample ID:	C4131-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029079.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.8	U	1	5.8	ug/Kg
591-78-6	2-Hexanone	29	U	4.5	29	ug/Kg
124-48-1	Dibromochloromethane	5.8	U	0.62	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	5.8	U	0.74	5.8	ug/Kg
127-18-4	Tetrachloroethene	5.8	U	1.2	5.8	ug/Kg
108-90-7	Chlorobenzene	5.8	U	0.58	5.8	ug/Kg
100-41-4	Ethyl Benzene	5.8	U	0.72	5.8	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.83	12	ug/Kg
95-47-6	o-Xylene	5.8	U	0.78	5.8	ug/Kg
100-42-5	Styrene	5.8	U	0.52	5.8	ug/Kg
75-25-2	Bromoform	5.8	U	0.85	5.8	ug/Kg
98-82-8	Isopropylbenzene	5.8	U	0.55	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U	0.53	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.8	U	0.43	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.8	U	0.47	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.8	U	0.72	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U	1	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.8	U	0.81	5.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.5		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	46.6		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		33 - 141	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	257167	4.36			
540-36-3	1,4-Difluorobenzene	370503	5.1			
3114-55-4	Chlorobenzene-d5	380252	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	252272	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB12-1.5	SDG No.:	C4131
Lab Sample ID:	C4131-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029080.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.2	U	0.8	6.2	ug/Kg
74-87-3	Chloromethane	6.2	U	1.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	6.2	U	1.5	6.2	ug/Kg
74-83-9	Bromomethane	6.2	U	3	6.2	ug/Kg
75-00-3	Chloroethane	6.2	U	1.7	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	6.2	U	1.6	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.2	U	1.6	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	6.2	U	1.8	6.2	ug/Kg
67-64-1	Acetone	31	U	3.7	31	ug/Kg
75-15-0	Carbon Disulfide	6.2	U	1.3	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.2	U	1.2	6.2	ug/Kg
79-20-9	Methyl Acetate	6.2	U	1.9	6.2	ug/Kg
75-09-2	Methylene Chloride	6.2	U	1.8	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.2	U	0.85	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	6.2	U	1.2	6.2	ug/Kg
110-82-7	Cyclohexane	6.2	U	1.2	6.2	ug/Kg
78-93-3	2-Butanone	31	U	3.8	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	1.2	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.2	U	1.1	6.2	ug/Kg
67-66-3	Chloroform	6.2	U	0.91	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	1.3	6.2	ug/Kg
71-43-2	Benzene	6.2	U	0.47	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	6.2	U	0.79	6.2	ug/Kg
79-01-6	Trichloroethene	6.2	U	1.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	6.2	U	0.32	6.2	ug/Kg
75-27-4	Bromodichloromethane	6.2	U	0.77	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	6.2	U	0.79	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.2	U	0.98	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.2	U	0.89	6.2	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB12-1.5	SDG No.:	C4131
Lab Sample ID:	C4131-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029080.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
591-78-6	2-Hexanone	31	U	4.8	31	ug/Kg
124-48-1	Dibromochloromethane	6.2	U	0.67	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	6.2	U	0.79	6.2	ug/Kg
127-18-4	Tetrachloroethene	6.2	U	1.2	6.2	ug/Kg
108-90-7	Chlorobenzene	6.2	U	0.62	6.2	ug/Kg
100-41-4	Ethyl Benzene	6.2	U	0.77	6.2	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.89	12	ug/Kg
95-47-6	o-Xylene	6.2	U	0.84	6.2	ug/Kg
100-42-5	Styrene	6.2	U	0.56	6.2	ug/Kg
75-25-2	Bromoform	6.2	U	0.91	6.2	ug/Kg
98-82-8	Isopropylbenzene	6.2	U	0.59	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	0.57	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.2	U	0.46	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.2	U	0.51	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.2	U	0.77	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	1.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.2	U	0.86	6.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.2		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	47.6		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		33 - 141	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	246654	4.36			
540-36-3	1,4-Difluorobenzene	361562	5.11			
3114-55-4	Chlorobenzene-d5	356506	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	205255	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB12-4.0	SDG No.:	C4131
Lab Sample ID:	C4131-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	14
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029081.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.9	U	0.76	5.9	ug/Kg
74-87-3	Chloromethane	5.9	U	1	5.9	ug/Kg
75-01-4	Vinyl Chloride	5.9	U	1.4	5.9	ug/Kg
74-83-9	Bromomethane	5.9	U	2.9	5.9	ug/Kg
75-00-3	Chloroethane	5.9	U	1.6	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	5.9	U	1.6	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.9	U	1.6	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	5.9	U	1.7	5.9	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.9	U	1.2	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.9	U	1.1	5.9	ug/Kg
79-20-9	Methyl Acetate	5.9	U	1.8	5.9	ug/Kg
75-09-2	Methylene Chloride	5.9	U	1.7	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.9	U	0.81	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	5.9	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	5.9	U	1.2	5.9	ug/Kg
78-93-3	2-Butanone	29	U	3.7	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.9	U	1.2	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.9	U	1	5.9	ug/Kg
67-66-3	Chloroform	5.9	U	0.87	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.9	U	1	5.9	ug/Kg
108-87-2	Methylcyclohexane	5.9	U	1.2	5.9	ug/Kg
71-43-2	Benzene	5.9	U	0.45	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	5.9	U	0.75	5.9	ug/Kg
79-01-6	Trichloroethene	5.9	U	1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	5.9	U	0.31	5.9	ug/Kg
75-27-4	Bromodichloromethane	5.9	U	0.73	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.4	29	ug/Kg
108-88-3	Toluene	5.9	U	0.75	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.9	U	0.93	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.9	U	0.85	5.9	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB12-4.0	SDG No.:	C4131
Lab Sample ID:	C4131-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	14
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029081.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.9	U	1.1	5.9	ug/Kg
591-78-6	2-Hexanone	29	U	4.6	29	ug/Kg
124-48-1	Dibromochloromethane	5.9	U	0.63	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	5.9	U	0.75	5.9	ug/Kg
127-18-4	Tetrachloroethene	5.9	U	1.2	5.9	ug/Kg
108-90-7	Chlorobenzene	5.9	U	0.59	5.9	ug/Kg
100-41-4	Ethyl Benzene	5.9	U	0.73	5.9	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.85	12	ug/Kg
95-47-6	o-Xylene	5.9	U	0.8	5.9	ug/Kg
100-42-5	Styrene	5.9	U	0.53	5.9	ug/Kg
75-25-2	Bromoform	5.9	U	0.87	5.9	ug/Kg
98-82-8	Isopropylbenzene	5.9	U	0.56	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U	0.54	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.9	U	0.43	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.9	U	0.48	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.9	U	0.73	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	1	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.9	U	0.82	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.6		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		57 - 135	92%	SPK: 50
2037-26-5	Toluene-d8	47.3		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266853	4.37			
540-36-3	1,4-Difluorobenzene	399972	5.11			
3114-55-4	Chlorobenzene-d5	403061	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	251493	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB13-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029082.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.6	U	0.73	5.6	ug/Kg
74-87-3	Chloromethane	5.6	U	0.97	5.6	ug/Kg
75-01-4	Vinyl Chloride	5.6	U	1.4	5.6	ug/Kg
74-83-9	Bromomethane	5.6	U	2.8	5.6	ug/Kg
75-00-3	Chloroethane	5.6	U	1.6	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	5.6	U	1.5	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U	1.5	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	5.6	U	1.7	5.6	ug/Kg
67-64-1	Acetone	28	U	3.4	28	ug/Kg
75-15-0	Carbon Disulfide	5.6	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.6	U	1.1	5.6	ug/Kg
79-20-9	Methyl Acetate	5.6	U	1.7	5.6	ug/Kg
75-09-2	Methylene Chloride	5.6	U	1.6	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.6	U	0.78	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	5.6	U	1.1	5.6	ug/Kg
110-82-7	Cyclohexane	5.6	U	1.1	5.6	ug/Kg
78-93-3	2-Butanone	28	U	3.5	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.6	U	1.1	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.6	U	1	5.6	ug/Kg
67-66-3	Chloroform	5.6	U	0.83	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.6	U	0.99	5.6	ug/Kg
108-87-2	Methylcyclohexane	2.8	J	1.2	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.43	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	5.6	U	0.72	5.6	ug/Kg
79-01-6	Trichloroethene	5.6	U	0.97	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	0.29	5.6	ug/Kg
75-27-4	Bromodichloromethane	5.6	U	0.7	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.3	28	ug/Kg
108-88-3	Toluene	5.6	U	0.72	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.6	U	0.89	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.6	U	0.81	5.6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB13-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029082.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.6	U	1	5.6	ug/Kg
591-78-6	2-Hexanone	28	U	4.4	28	ug/Kg
124-48-1	Dibromochloromethane	5.6	U	0.61	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	5.6	U	0.72	5.6	ug/Kg
127-18-4	Tetrachloroethene	5.6	U	1.1	5.6	ug/Kg
108-90-7	Chlorobenzene	5.6	U	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.7	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.81	11	ug/Kg
95-47-6	o-Xylene	5.6	U	0.76	5.6	ug/Kg
100-42-5	Styrene	5.6	U	0.51	5.6	ug/Kg
75-25-2	Bromoform	5.6	U	0.83	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.54	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	0.52	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.6	U	0.42	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.6	U	0.46	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.6	U	0.7	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	0.98	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.6	U	0.79	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43		56 - 120	86%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	48.5		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47		33 - 141	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	258122	4.36			
540-36-3	1,4-Difluorobenzene	383324	5.11			
3114-55-4	Chlorobenzene-d5	383341	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	219666	12.24			
TENTATIVE IDENTIFIED COMPOUNDS						
103-65-1	n-propylbenzene	3.9	J		11.26	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	89	J		11.51	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	61	J		11.71	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB13-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029082.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	47	J		11.89	ug/Kg
99-87-6	p-Isopropyltoluene	3.8	J		12.16	ug/Kg
000108-67-8	Benzene, 1,3,5-trimethyl-	110	J		12.31	ug/Kg
000141-93-5	Benzene, 1,3-diethyl-	45	J		12.45	ug/Kg
001074-43-7	Benzene, 1-methyl-3-propyl-	44	J		12.48	ug/Kg
104-51-8	n-Butylbenzene	17	J		12.54	ug/Kg
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	49	J		12.8	ug/Kg
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)	85	J		12.87	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	46	J		13.21	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	94	J		13.25	ug/Kg
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	110	J		13.56	ug/Kg
056253-64-6	Benzene, (2-methyl-1-butenyl)-	58	J		13.86	ug/Kg
91-20-3	Naphthalene	7.2	J		14.16	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB13-6.0	SDG No.:	C4131
Lab Sample ID:	C4131-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	12
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029094.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.8	U	0.75	5.8	ug/Kg
74-87-3	Chloromethane	5.8	U	0.99	5.8	ug/Kg
75-01-4	Vinyl Chloride	5.8	U	1.4	5.8	ug/Kg
74-83-9	Bromomethane	5.8	U	2.8	5.8	ug/Kg
75-00-3	Chloroethane	5.8	U	1.6	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	5.8	U	1.5	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8	U	1.5	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	5.8	U	1.7	5.8	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.8	U	1.2	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.8	U	1.1	5.8	ug/Kg
79-20-9	Methyl Acetate	5.8	U	1.7	5.8	ug/Kg
75-09-2	Methylene Chloride	5.8	U	1.6	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.8	U	0.8	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	5.8	U	1.1	5.8	ug/Kg
110-82-7	Cyclohexane	5.8	U	1.2	5.8	ug/Kg
78-93-3	2-Butanone	29	U	3.6	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.8	U	1.1	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.8	U	1	5.8	ug/Kg
67-66-3	Chloroform	5.8	U	0.85	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	1	5.8	ug/Kg
108-87-2	Methylcyclohexane	5.8	U	1.2	5.8	ug/Kg
71-43-2	Benzene	5.8	U	0.44	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	5.8	U	0.74	5.8	ug/Kg
79-01-6	Trichloroethene	5.8	U	0.99	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	5.8	U	0.3	5.8	ug/Kg
75-27-4	Bromodichloromethane	5.8	U	0.71	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.4	29	ug/Kg
108-88-3	Toluene	5.8	U	0.74	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.8	U	0.91	5.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.8	U	0.83	5.8	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB13-6.0	SDG No.:	C4131
Lab Sample ID:	C4131-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	12
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029094.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.8	U	1	5.8	ug/Kg
591-78-6	2-Hexanone	29	U	4.5	29	ug/Kg
124-48-1	Dibromochloromethane	5.8	U	0.62	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	5.8	U	0.74	5.8	ug/Kg
127-18-4	Tetrachloroethene	5.8	U	1.2	5.8	ug/Kg
108-90-7	Chlorobenzene	5.8	U	0.58	5.8	ug/Kg
100-41-4	Ethyl Benzene	5.8	U	0.71	5.8	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.83	12	ug/Kg
95-47-6	o-Xylene	5.8	U	0.78	5.8	ug/Kg
100-42-5	Styrene	5.8	U	0.52	5.8	ug/Kg
75-25-2	Bromoform	5.8	U	0.85	5.8	ug/Kg
98-82-8	Isopropylbenzene	5.8	U	0.55	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U	0.53	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.8	U	0.43	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.8	U	0.47	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.8	U	0.71	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U	1	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.8	U	0.81	5.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.8		56 - 120	82%	SPK: 50
1868-53-7	Dibromofluoromethane	42.8		57 - 135	86%	SPK: 50
2037-26-5	Toluene-d8	47.1		67 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		33 - 141	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284278	4.36			
540-36-3	1,4-Difluorobenzene	420753	5.11			
3114-55-4	Chlorobenzene-d5	417936	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	264720	12.23			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/11/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB13-6.0	SDG No.:	C4131
Lab Sample ID:	C4131-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	12
Sample Wt/Vol:	4.93	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029094.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB14-1.5	SDG No.:	C4131
Lab Sample ID:	C4131-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029091.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.9	U	0.76	5.9	ug/Kg
74-87-3	Chloromethane	5.9	U	1	5.9	ug/Kg
75-01-4	Vinyl Chloride	5.9	U	1.4	5.9	ug/Kg
74-83-9	Bromomethane	5.9	U	2.9	5.9	ug/Kg
75-00-3	Chloroethane	5.9	U	1.6	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	5.9	U	1.5	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.9	U	1.6	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	5.9	U	1.7	5.9	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.9	U	1.2	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.9	U	1.1	5.9	ug/Kg
79-20-9	Methyl Acetate	5.9	U	1.8	5.9	ug/Kg
75-09-2	Methylene Chloride	5.9	U	1.7	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.9	U	0.81	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	5.9	U	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	5.9	U	1.2	5.9	ug/Kg
78-93-3	2-Butanone	29	U	3.6	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.9	U	1.2	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.9	U	1	5.9	ug/Kg
67-66-3	Chloroform	5.9	U	0.87	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.9	U	1	5.9	ug/Kg
108-87-2	Methylcyclohexane	5.9	U	1.2	5.9	ug/Kg
71-43-2	Benzene	5.9	U	0.45	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	5.9	U	0.75	5.9	ug/Kg
79-01-6	Trichloroethene	6.1		1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	5.9	U	0.3	5.9	ug/Kg
75-27-4	Bromodichloromethane	5.9	U	0.73	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.4	29	ug/Kg
108-88-3	Toluene	5.9	U	0.75	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.9	U	0.93	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.9	U	0.84	5.9	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB14-1.5	SDG No.:	C4131
Lab Sample ID:	C4131-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029091.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.9	U	1.1	5.9	ug/Kg
591-78-6	2-Hexanone	29	U	4.6	29	ug/Kg
124-48-1	Dibromochloromethane	5.9	U	0.63	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	5.9	U	0.75	5.9	ug/Kg
127-18-4	Tetrachloroethene	18		1.2	5.9	ug/Kg
108-90-7	Chlorobenzene	5.9	U	0.59	5.9	ug/Kg
100-41-4	Ethyl Benzene	5.9	U	0.73	5.9	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.84	12	ug/Kg
95-47-6	o-Xylene	5.9	U	0.8	5.9	ug/Kg
100-42-5	Styrene	5.9	U	0.53	5.9	ug/Kg
75-25-2	Bromoform	5.9	U	0.87	5.9	ug/Kg
98-82-8	Isopropylbenzene	5.9	U	0.56	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U	0.54	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.9	U	0.43	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.9	U	0.48	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.9	U	0.73	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	1	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.9	U	0.82	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.1		56 - 120	80%	SPK: 50
1868-53-7	Dibromofluoromethane	43		57 - 135	86%	SPK: 50
2037-26-5	Toluene-d8	45		67 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.7		33 - 141	67%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	275164	4.36			
540-36-3	1,4-Difluorobenzene	401545	5.11			
3114-55-4	Chlorobenzene-d5	345678	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	141415	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB14-6.5	SDG No.:	C4131
Lab Sample ID:	C4131-10	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029095.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.6	U	0.72	5.6	ug/Kg
74-87-3	Chloromethane	5.6	U	0.96	5.6	ug/Kg
75-01-4	Vinyl Chloride	5.6	U	1.4	5.6	ug/Kg
74-83-9	Bromomethane	5.6	U	2.7	5.6	ug/Kg
75-00-3	Chloroethane	5.6	U	1.6	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	5.6	U	1.5	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U	1.5	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	5.6	U	1.6	5.6	ug/Kg
67-64-1	Acetone	28	U	3.4	28	ug/Kg
75-15-0	Carbon Disulfide	5.6	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.6	U	1.1	5.6	ug/Kg
79-20-9	Methyl Acetate	5.6	U	1.7	5.6	ug/Kg
75-09-2	Methylene Chloride	5.6	U	1.6	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.6	U	0.77	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	5.6	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	5.6	U	1.1	5.6	ug/Kg
78-93-3	2-Butanone	28	U	3.5	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.6	U	1.1	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.6	U	0.99	5.6	ug/Kg
67-66-3	Chloroform	5.6	U	0.82	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.6	U	0.98	5.6	ug/Kg
108-87-2	Methylcyclohexane	5.6	U	1.2	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.42	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	5.6	U	0.71	5.6	ug/Kg
79-01-6	Trichloroethene	5.6	U	0.96	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	0.29	5.6	ug/Kg
75-27-4	Bromodichloromethane	5.6	U	0.69	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.3	28	ug/Kg
108-88-3	Toluene	5.6	U	0.71	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.6	U	0.88	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.6	U	0.8	5.6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB14-6.5	SDG No.:	C4131
Lab Sample ID:	C4131-10	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029095.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.6	U	1	5.6	ug/Kg
591-78-6	2-Hexanone	28	U	4.4	28	ug/Kg
124-48-1	Dibromochloromethane	5.6	U	0.6	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	5.6	U	0.71	5.6	ug/Kg
127-18-4	Tetrachloroethene	5.6	U	1.1	5.6	ug/Kg
108-90-7	Chlorobenzene	5.6	U	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.69	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.8	11	ug/Kg
95-47-6	o-Xylene	5.6	U	0.76	5.6	ug/Kg
100-42-5	Styrene	5.6	U	0.5	5.6	ug/Kg
75-25-2	Bromoform	5.6	U	0.82	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.54	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	0.51	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.6	U	0.41	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.6	U	0.46	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.6	U	0.69	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	0.97	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.6	U	0.78	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.7		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	42.7		57 - 135	85%	SPK: 50
2037-26-5	Toluene-d8	46.8		67 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	277327	4.36			
540-36-3	1,4-Difluorobenzene	412025	5.11			
3114-55-4	Chlorobenzene-d5	408005	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	265625	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB15-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-11	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029096.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.1	U	0.8	6.1	ug/Kg
74-87-3	Chloromethane	6.1	U	1.1	6.1	ug/Kg
75-01-4	Vinyl Chloride	6.1	U	1.5	6.1	ug/Kg
74-83-9	Bromomethane	6.1	U	3	6.1	ug/Kg
75-00-3	Chloroethane	6.1	U	1.7	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	6.1	U	1.6	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	1.6	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	1.8	6.1	ug/Kg
67-64-1	Acetone	31	U	3.7	31	ug/Kg
75-15-0	Carbon Disulfide	6.1	U	1.3	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	1.2	6.1	ug/Kg
79-20-9	Methyl Acetate	6.1	U	1.9	6.1	ug/Kg
75-09-2	Methylene Chloride	6.1	U	1.7	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.1	U	0.85	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	6.1	U	1.2	6.1	ug/Kg
110-82-7	Cyclohexane	6.1	U	1.2	6.1	ug/Kg
78-93-3	2-Butanone	31	U	3.8	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.1	U	1.2	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.1	U	1.1	6.1	ug/Kg
67-66-3	Chloroform	6.1	U	0.91	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
108-87-2	Methylcyclohexane	6.1	U	1.3	6.1	ug/Kg
71-43-2	Benzene	6.1	U	0.47	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	6.1	U	0.79	6.1	ug/Kg
79-01-6	Trichloroethene	6.1	U	1.1	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	6.1	U	0.32	6.1	ug/Kg
75-27-4	Bromodichloromethane	6.1	U	0.76	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	6.1	U	0.79	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.1	U	0.97	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.1	U	0.88	6.1	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB15-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-11	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029096.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
591-78-6	2-Hexanone	31	U	4.8	31	ug/Kg
124-48-1	Dibromochloromethane	6.1	U	0.66	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	6.1	U	0.79	6.1	ug/Kg
127-18-4	Tetrachloroethene	6.1	U	1.2	6.1	ug/Kg
108-90-7	Chlorobenzene	6.1	U	0.61	6.1	ug/Kg
100-41-4	Ethyl Benzene	6.1	U	0.76	6.1	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.88	12	ug/Kg
95-47-6	o-Xylene	6.1	U	0.83	6.1	ug/Kg
100-42-5	Styrene	6.1	U	0.55	6.1	ug/Kg
75-25-2	Bromoform	6.1	U	0.91	6.1	ug/Kg
98-82-8	Isopropylbenzene	6.1	U	0.59	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	0.56	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.1	U	0.45	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.1	U	0.5	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.1	U	0.76	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	1.1	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.1	U	0.86	6.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.6		56 - 120	87%	SPK: 50
1868-53-7	Dibromofluoromethane	43.4		57 - 135	87%	SPK: 50
2037-26-5	Toluene-d8	47.7		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		33 - 141	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	274182	4.36			
540-36-3	1,4-Difluorobenzene	399565	5.11			
3114-55-4	Chlorobenzene-d5	402360	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	254512	12.24			
TENTATIVE IDENTIFIED COMPOUNDS						
000594-82-1	Butane, 2,2,3,3-tetramethyl-	8.7	J		3.97	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB15-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-11	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.97	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029096.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB15-6.5	SDG No.:	C4131
Lab Sample ID:	C4131-12	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029097.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.5	U	0.71	5.5	ug/Kg
74-87-3	Chloromethane	5.5	U	0.94	5.5	ug/Kg
75-01-4	Vinyl Chloride	5.5	U	1.3	5.5	ug/Kg
74-83-9	Bromomethane	5.5	U	2.7	5.5	ug/Kg
75-00-3	Chloroethane	5.5	U	1.5	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	5.5	U	1.4	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.5	U	1.5	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	5.5	U	1.6	5.5	ug/Kg
67-64-1	Acetone	27	U	3.3	27	ug/Kg
75-15-0	Carbon Disulfide	5.5	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.5	U	1	5.5	ug/Kg
79-20-9	Methyl Acetate	5.5	U	1.6	5.5	ug/Kg
75-09-2	Methylene Chloride	5.5	U	1.6	5.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.5	U	0.75	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	5.5	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	5.5	U	1.1	5.5	ug/Kg
78-93-3	2-Butanone	27	U	3.4	27	ug/Kg
56-23-5	Carbon Tetrachloride	5.5	U	1.1	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.5	U	0.97	5.5	ug/Kg
67-66-3	Chloroform	5.5	U	0.81	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.5	U	0.96	5.5	ug/Kg
108-87-2	Methylcyclohexane	5.5	U	1.2	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	5.5	U	0.7	5.5	ug/Kg
79-01-6	Trichloroethene	5.5	U	0.94	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	5.5	U	0.28	5.5	ug/Kg
75-27-4	Bromodichloromethane	5.5	U	0.68	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27	U	3.2	27	ug/Kg
108-88-3	Toluene	5.5	U	0.7	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.5	U	0.86	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.5	U	0.79	5.5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB15-6.5	SDG No.:	C4131
Lab Sample ID:	C4131-12	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029097.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.5	U	0.98	5.5	ug/Kg
591-78-6	2-Hexanone	27	U	4.3	27	ug/Kg
124-48-1	Dibromochloromethane	5.5	U	0.59	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	5.5	U	0.7	5.5	ug/Kg
127-18-4	Tetrachloroethene	5.5	U	1.1	5.5	ug/Kg
108-90-7	Chlorobenzene	5.5	U	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.68	5.5	ug/Kg
179601-23-1	m/p-Xylenes	16		0.79	11	ug/Kg
95-47-6	o-Xylene	5.5	U	0.74	5.5	ug/Kg
100-42-5	Styrene	5.5	U	0.49	5.5	ug/Kg
75-25-2	Bromoform	5.5	U	0.81	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.52	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	0.5	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.5	U	0.4	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.5	U	0.45	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.5	U	0.68	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	0.95	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.5	U	0.76	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.8		56 - 120	80%	SPK: 50
1868-53-7	Dibromofluoromethane	45		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	47		67 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		33 - 141	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	286038	4.36			
540-36-3	1,4-Difluorobenzene	413572	5.11			
3114-55-4	Chlorobenzene-d5	407825	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	242880	12.24			
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	3.3	J		11.9	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB16-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029098.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.1	U	0.79	6.1	ug/Kg
74-87-3	Chloromethane	6.1	U	1.1	6.1	ug/Kg
75-01-4	Vinyl Chloride	6.1	U	1.5	6.1	ug/Kg
74-83-9	Bromomethane	6.1	U	3	6.1	ug/Kg
75-00-3	Chloroethane	6.1	U	1.7	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	6.1	U	1.6	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.1	U	1.6	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	6.1	U	1.8	6.1	ug/Kg
67-64-1	Acetone	31	U	3.7	31	ug/Kg
75-15-0	Carbon Disulfide	6.1	U	1.3	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.1	U	1.2	6.1	ug/Kg
79-20-9	Methyl Acetate	6.1	U	1.8	6.1	ug/Kg
75-09-2	Methylene Chloride	6.1	U	1.7	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.1	U	0.84	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	6.1	U	1.1	6.1	ug/Kg
110-82-7	Cyclohexane	6.1	U	1.2	6.1	ug/Kg
78-93-3	2-Butanone	31	U	3.8	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.1	U	1.2	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.1	U	1.1	6.1	ug/Kg
67-66-3	Chloroform	6.1	U	0.9	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
108-87-2	Methylcyclohexane	6.1	U	1.3	6.1	ug/Kg
71-43-2	Benzene	6.1	U	0.46	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	6.1	U	0.78	6.1	ug/Kg
79-01-6	Trichloroethene	6.1	U	1.1	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	6.1	U	0.32	6.1	ug/Kg
75-27-4	Bromodichloromethane	6.1	U	0.76	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	6.1	U	0.78	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.1	U	0.97	6.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.1	U	0.88	6.1	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB16-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-13	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	18
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029098.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.1	U	1.1	6.1	ug/Kg
591-78-6	2-Hexanone	31	U	4.8	31	ug/Kg
124-48-1	Dibromochloromethane	6.1	U	0.66	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	6.1	U	0.78	6.1	ug/Kg
127-18-4	Tetrachloroethene	6.1	U	1.2	6.1	ug/Kg
108-90-7	Chlorobenzene	6.1	U	0.61	6.1	ug/Kg
100-41-4	Ethyl Benzene	6.1	U	0.76	6.1	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.88	12	ug/Kg
95-47-6	o-Xylene	6.1	U	0.83	6.1	ug/Kg
100-42-5	Styrene	6.1	U	0.55	6.1	ug/Kg
75-25-2	Bromoform	6.1	U	0.9	6.1	ug/Kg
98-82-8	Isopropylbenzene	6.1	U	0.59	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	0.56	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.1	U	0.45	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.1	U	0.5	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.1	U	0.76	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	1.1	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.1	U	0.86	6.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.7		56 - 120	81%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	47		67 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	42		33 - 141	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	286113	4.36			
540-36-3	1,4-Difluorobenzene	420832	5.11			
3114-55-4	Chlorobenzene-d5	399760	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	209207	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB16-6.0	SDG No.:	C4131
Lab Sample ID:	C4131-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029099.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.5	U	0.85	6.5	ug/Kg
74-87-3	Chloromethane	6.5	U	1.1	6.5	ug/Kg
75-01-4	Vinyl Chloride	6.5	U	1.6	6.5	ug/Kg
74-83-9	Bromomethane	6.5	U	3.2	6.5	ug/Kg
75-00-3	Chloroethane	6.5	U	1.8	6.5	ug/Kg
75-69-4	Trichlorofluoromethane	6.5	U	1.7	6.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.5	U	1.7	6.5	ug/Kg
75-35-4	1,1-Dichloroethene	6.5	U	1.9	6.5	ug/Kg
67-64-1	Acetone	33	U	3.9	33	ug/Kg
75-15-0	Carbon Disulfide	6.5	U	1.4	6.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.5	U	1.3	6.5	ug/Kg
79-20-9	Methyl Acetate	6.5	U	2	6.5	ug/Kg
75-09-2	Methylene Chloride	6.5	U	1.9	6.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.5	U	0.9	6.5	ug/Kg
75-34-3	1,1-Dichloroethane	6.5	U	1.2	6.5	ug/Kg
110-82-7	Cyclohexane	6.5	U	1.3	6.5	ug/Kg
78-93-3	2-Butanone	33	U	4.1	33	ug/Kg
56-23-5	Carbon Tetrachloride	6.5	U	1.3	6.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.5	U	1.2	6.5	ug/Kg
67-66-3	Chloroform	6.5	U	0.96	6.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.5	U	1.1	6.5	ug/Kg
108-87-2	Methylcyclohexane	6.5	U	1.4	6.5	ug/Kg
71-43-2	Benzene	6.5	U	0.5	6.5	ug/Kg
107-06-2	1,2-Dichloroethane	6.5	U	0.83	6.5	ug/Kg
79-01-6	Trichloroethene	6.5	U	1.1	6.5	ug/Kg
78-87-5	1,2-Dichloropropane	6.5	U	0.34	6.5	ug/Kg
75-27-4	Bromodichloromethane	6.5	U	0.81	6.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	33	U	3.8	33	ug/Kg
108-88-3	Toluene	6.5	U	0.83	6.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.5	U	1	6.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.5	U	0.94	6.5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB16-6.0	SDG No.:	C4131
Lab Sample ID:	C4131-14	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029099.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.5	U	1.2	6.5	ug/Kg
591-78-6	2-Hexanone	33	U	5.1	33	ug/Kg
124-48-1	Dibromochloromethane	6.5	U	0.7	6.5	ug/Kg
106-93-4	1,2-Dibromoethane	6.5	U	0.83	6.5	ug/Kg
127-18-4	Tetrachloroethene	6.5	U	1.3	6.5	ug/Kg
108-90-7	Chlorobenzene	6.5	U	0.65	6.5	ug/Kg
100-41-4	Ethyl Benzene	6.5	U	0.81	6.5	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.94	13	ug/Kg
95-47-6	o-Xylene	6.5	U	0.89	6.5	ug/Kg
100-42-5	Styrene	6.5	U	0.59	6.5	ug/Kg
75-25-2	Bromoform	6.5	U	0.96	6.5	ug/Kg
98-82-8	Isopropylbenzene	6.5	U	0.63	6.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.5	U	0.6	6.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.5	U	0.48	6.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.5	U	0.53	6.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.5	U	0.81	6.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.5	U	1.1	6.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.5	U	0.91	6.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46		56 - 120	92%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	46.8		67 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	49		33 - 141	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	233818	4.35			
540-36-3	1,4-Difluorobenzene	351609	5.1			
3114-55-4	Chlorobenzene-d5	351392	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	220878	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB17-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-15	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029100.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.3	U	0.82	6.3	ug/Kg
74-87-3	Chloromethane	6.3	U	1.1	6.3	ug/Kg
75-01-4	Vinyl Chloride	6.3	U	1.5	6.3	ug/Kg
74-83-9	Bromomethane	6.3	U	3.1	6.3	ug/Kg
75-00-3	Chloroethane	6.3	U	1.8	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	6.3	U	1.7	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.3	U	1.7	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	6.3	U	1.9	6.3	ug/Kg
67-64-1	Acetone	31	U	3.8	31	ug/Kg
75-15-0	Carbon Disulfide	6.3	U	1.3	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.3	U	1.2	6.3	ug/Kg
79-20-9	Methyl Acetate	6.3	U	1.9	6.3	ug/Kg
75-09-2	Methylene Chloride	6.3	U	1.8	6.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.3	U	0.87	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	6.3	U	1.2	6.3	ug/Kg
110-82-7	Cyclohexane	6.3	U	1.3	6.3	ug/Kg
78-93-3	2-Butanone	31	U	3.9	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.3	U	1.2	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.3	U	1.1	6.3	ug/Kg
67-66-3	Chloroform	6.3	U	0.93	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.3	U	1.1	6.3	ug/Kg
108-87-2	Methylcyclohexane	6.3	U	1.3	6.3	ug/Kg
71-43-2	Benzene	6.3	U	0.48	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	6.3	U	0.81	6.3	ug/Kg
79-01-6	Trichloroethene	6.3	U	1.1	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	6.3	U	0.33	6.3	ug/Kg
75-27-4	Bromodichloromethane	6.3	U	0.78	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.7	31	ug/Kg
108-88-3	Toluene	6.3	U	0.81	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.3	U	0.99	6.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.3	U	0.91	6.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB17-3.5	SDG No.:	C4131
Lab Sample ID:	C4131-15	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029100.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.3	U	1.1	6.3	ug/Kg
591-78-6	2-Hexanone	31	U	4.9	31	ug/Kg
124-48-1	Dibromochloromethane	6.3	U	0.68	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	6.3	U	0.81	6.3	ug/Kg
127-18-4	Tetrachloroethene	6.3	U	1.3	6.3	ug/Kg
108-90-7	Chlorobenzene	6.3	U	0.63	6.3	ug/Kg
100-41-4	Ethyl Benzene	6.3	U	0.78	6.3	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.91	13	ug/Kg
95-47-6	o-Xylene	6.3	U	0.86	6.3	ug/Kg
100-42-5	Styrene	6.3	U	0.57	6.3	ug/Kg
75-25-2	Bromoform	6.3	U	0.93	6.3	ug/Kg
98-82-8	Isopropylbenzene	6.3	U	0.6	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U	0.58	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.3	U	0.47	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.3	U	0.52	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.3	U	0.78	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.3	U	1.1	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.3	U	0.88	6.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.6		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	46.5		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	42		33 - 141	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	286134	4.36			
540-36-3	1,4-Difluorobenzene	426901	5.1			
3114-55-4	Chlorobenzene-d5	398353	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	206249	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB17-6.0	SDG No.:	C4131
Lab Sample ID:	C4131-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029111.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.8	U	0.76	5.8	ug/Kg
74-87-3	Chloromethane	5.8	U	1	5.8	ug/Kg
75-01-4	Vinyl Chloride	5.8	U	1.4	5.8	ug/Kg
74-83-9	Bromomethane	5.8	U	2.9	5.8	ug/Kg
75-00-3	Chloroethane	5.8	U	1.6	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	5.8	U	1.5	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8	U	1.6	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	5.8	U	1.7	5.8	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.8	U	1.2	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.8	U	1.1	5.8	ug/Kg
79-20-9	Methyl Acetate	5.8	U	1.8	5.8	ug/Kg
75-09-2	Methylene Chloride	5.8	U	1.7	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.8	U	0.81	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	5.8	U	1.1	5.8	ug/Kg
110-82-7	Cyclohexane	5.8	U	1.2	5.8	ug/Kg
78-93-3	2-Butanone	29	U	3.6	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.8	U	1.2	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.8	U	1	5.8	ug/Kg
67-66-3	Chloroform	5.8	U	0.87	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	1	5.8	ug/Kg
108-87-2	Methylcyclohexane	5.8	U	1.2	5.8	ug/Kg
71-43-2	Benzene	5.8	U	0.44	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	5.8	U	0.75	5.8	ug/Kg
79-01-6	Trichloroethene	5.8	U	1	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	5.8	U	0.3	5.8	ug/Kg
75-27-4	Bromodichloromethane	5.8	U	0.73	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.4	29	ug/Kg
108-88-3	Toluene	5.8	U	0.75	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.8	U	0.92	5.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.8	U	0.84	5.8	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB17-6.0	SDG No.:	C4131
Lab Sample ID:	C4131-16	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	15
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029111.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.8	U	1.1	5.8	ug/Kg
591-78-6	2-Hexanone	29	U	4.6	29	ug/Kg
124-48-1	Dibromochloromethane	5.8	U	0.63	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	5.8	U	0.75	5.8	ug/Kg
127-18-4	Tetrachloroethene	5.8	U	1.2	5.8	ug/Kg
108-90-7	Chlorobenzene	5.8	U	0.58	5.8	ug/Kg
100-41-4	Ethyl Benzene	5.8	U	0.73	5.8	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.84	12	ug/Kg
95-47-6	o-Xylene	5.8	U	0.8	5.8	ug/Kg
100-42-5	Styrene	5.8	U	0.53	5.8	ug/Kg
75-25-2	Bromoform	5.8	U	0.87	5.8	ug/Kg
98-82-8	Isopropylbenzene	5.8	U	0.56	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U	0.54	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.8	U	0.43	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.8	U	0.48	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.8	U	0.73	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U	1	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.8	U	0.82	5.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.1		56 - 120	78%	SPK: 50
1868-53-7	Dibromofluoromethane	42.4		57 - 135	85%	SPK: 50
2037-26-5	Toluene-d8	46.6		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	42		33 - 141	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	338840	4.35			
540-36-3	1,4-Difluorobenzene	507327	5.1			
3114-55-4	Chlorobenzene-d5	470474	9.31			
3855-82-1	1,4-Dichlorobenzene-d4	237703	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB18-1.0	SDG No.:	C4131
Lab Sample ID:	C4131-17	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	14
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029102.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.7	U	0.75	5.7	ug/Kg
74-87-3	Chloromethane	5.7	U	0.99	5.7	ug/Kg
75-01-4	Vinyl Chloride	5.7	U	1.4	5.7	ug/Kg
74-83-9	Bromomethane	5.7	U	2.8	5.7	ug/Kg
75-00-3	Chloroethane	5.7	U	1.6	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	5.7	U	1.5	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.7	U	1.5	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	5.7	U	1.7	5.7	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.7	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.7	U	1.1	5.7	ug/Kg
79-20-9	Methyl Acetate	5.7	U	1.7	5.7	ug/Kg
75-09-2	Methylene Chloride	5.7	U	1.6	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.7	U	0.79	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	5.7	U	1.1	5.7	ug/Kg
110-82-7	Cyclohexane	5.7	U	1.2	5.7	ug/Kg
78-93-3	2-Butanone	29	U	3.6	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.7	U	1.1	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	42		1	5.7	ug/Kg
67-66-3	Chloroform	5.7	U	0.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.7	U	1	5.7	ug/Kg
108-87-2	Methylcyclohexane	5.7	U	1.2	5.7	ug/Kg
71-43-2	Benzene	5.7	U	0.44	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	5.7	U	0.73	5.7	ug/Kg
79-01-6	Trichloroethene	7.9		0.99	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	5.7	U	0.3	5.7	ug/Kg
75-27-4	Bromodichloromethane	5.7	U	0.71	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.3	29	ug/Kg
108-88-3	Toluene	5.7	U	0.73	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.7	U	0.91	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.7	U	0.83	5.7	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB18-1.0	SDG No.:	C4131
Lab Sample ID:	C4131-17	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	14
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029102.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.7	U	1	5.7	ug/Kg
591-78-6	2-Hexanone	29	U	4.5	29	ug/Kg
124-48-1	Dibromochloromethane	5.7	U	0.62	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	5.7	U	0.73	5.7	ug/Kg
127-18-4	Tetrachloroethene	66		1.2	5.7	ug/Kg
108-90-7	Chlorobenzene	5.7	U	0.57	5.7	ug/Kg
100-41-4	Ethyl Benzene	5.7	U	0.71	5.7	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.83	11	ug/Kg
95-47-6	o-Xylene	5.7	U	0.78	5.7	ug/Kg
100-42-5	Styrene	5.7	U	0.52	5.7	ug/Kg
75-25-2	Bromoform	5.7	U	0.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	5.7	U	0.55	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U	0.53	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.7	U	0.42	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.7	U	0.47	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.7	U	0.71	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	1	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.7	U	0.8	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.6		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	45.7		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	36		33 - 141	72%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287004	4.36			
540-36-3	1,4-Difluorobenzene	436296	5.12			
3114-55-4	Chlorobenzene-d5	378084	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	157187	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB18-3.0	SDG No.:	C4131
Lab Sample ID:	C4131-18	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	14
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029103.D	1		10/25/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.8	U	0.76	5.8	ug/Kg
74-87-3	Chloromethane	5.8	U	1	5.8	ug/Kg
75-01-4	Vinyl Chloride	5.8	U	1.4	5.8	ug/Kg
74-83-9	Bromomethane	5.8	U	2.9	5.8	ug/Kg
75-00-3	Chloroethane	5.8	U	1.6	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	5.8	U	1.5	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8	U	1.6	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	5.8	U	1.7	5.8	ug/Kg
67-64-1	Acetone	29	U	3.5	29	ug/Kg
75-15-0	Carbon Disulfide	5.8	U	1.2	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.8	U	1.1	5.8	ug/Kg
79-20-9	Methyl Acetate	5.8	U	1.8	5.8	ug/Kg
75-09-2	Methylene Chloride	5.8	U	1.7	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.8	U	0.81	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	5.8	U	1.1	5.8	ug/Kg
110-82-7	Cyclohexane	5.8	U	1.2	5.8	ug/Kg
78-93-3	2-Butanone	29	U	3.6	29	ug/Kg
56-23-5	Carbon Tetrachloride	5.8	U	1.2	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	35		1	5.8	ug/Kg
67-66-3	Chloroform	5.8	U	0.86	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8	U	1	5.8	ug/Kg
108-87-2	Methylcyclohexane	5.8	U	1.2	5.8	ug/Kg
71-43-2	Benzene	5.8	U	0.44	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	5.8	U	0.75	5.8	ug/Kg
79-01-6	Trichloroethene	5.8	U	1	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	5.8	U	0.3	5.8	ug/Kg
75-27-4	Bromodichloromethane	5.8	U	0.72	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	29	U	3.4	29	ug/Kg
108-88-3	Toluene	5.8	U	0.75	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.8	U	0.92	5.8	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.8	U	0.84	5.8	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB18-3.0	SDG No.:	C4131
Lab Sample ID:	C4131-18	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	14
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029103.D	1		10/25/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.8	U	1.1	5.8	ug/Kg
591-78-6	2-Hexanone	29	U	4.6	29	ug/Kg
124-48-1	Dibromochloromethane	5.8	U	0.63	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	5.8	U	0.75	5.8	ug/Kg
127-18-4	Tetrachloroethene	5.8	U	1.2	5.8	ug/Kg
108-90-7	Chlorobenzene	5.8	U	0.58	5.8	ug/Kg
100-41-4	Ethyl Benzene	5.8	U	0.72	5.8	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.84	12	ug/Kg
95-47-6	o-Xylene	5.8	U	0.79	5.8	ug/Kg
100-42-5	Styrene	5.8	U	0.53	5.8	ug/Kg
75-25-2	Bromoform	5.8	U	0.86	5.8	ug/Kg
98-82-8	Isopropylbenzene	5.8	U	0.56	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U	0.54	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.8	U	0.43	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.8	U	0.48	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.8	U	0.72	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U	1	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.8	U	0.82	5.8	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	47.9		67 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		33 - 141	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	291777	4.37			
540-36-3	1,4-Difluorobenzene	436820	5.11			
3114-55-4	Chlorobenzene-d5	433054	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	246337	12.24			
TENTATIVE IDENTIFIED COMPOUNDS						
003728-55-0	1-Ethyl-3-methylcyclohexane (c,t)	23	J		9.8	ug/Kg
028282-35-1	Cis-bicyclo[4.2.0]octane	23	J		10.09	ug/Kg
006971-40-0	17-Pentatriacontene	26	J		10.27	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB18-3.0	SDG No.:	C4131
Lab Sample ID:	C4131-18	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	14
Sample Wt/Vol:	4.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029103.D	1		10/25/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
014676-29-0	Heptane, 3-ethyl-2-methyl-	31	J		10.45	ug/Kg
	unknown10.68	17	J		10.68	ug/Kg
062960-76-3	4-Octene, 2,6-dimethyl-, [S-(E)]-	45	J		10.9	ug/Kg
054411-00-6	Cyclohexane, 1-methyl-4-(1-methylb	16	J		11.15	ug/Kg
004291-80-9	Cyclohexane, 1-methyl-3-propyl-	30	J		11.23	ug/Kg
002847-72-5	Decane, 4-methyl-	26	J		11.69	ug/Kg
1000130-83-7	E-2-Tetradecen-1-ol	23	J		11.86	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB19-1.0	SDG No.:	C4131
Lab Sample ID:	C4131-19	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	3
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029112.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.1	U	0.67	5.1	ug/Kg
74-87-3	Chloromethane	5.1	U	0.88	5.1	ug/Kg
75-01-4	Vinyl Chloride	5.1	U	1.3	5.1	ug/Kg
74-83-9	Bromomethane	5.1	U	2.5	5.1	ug/Kg
75-00-3	Chloroethane	5.1	U	1.4	5.1	ug/Kg
75-69-4	Trichlorofluoromethane	5.1	U	1.4	5.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.1	U	1.4	5.1	ug/Kg
75-35-4	1,1-Dichloroethene	5.1	U	1.5	5.1	ug/Kg
67-64-1	Acetone	26	U	3.1	26	ug/Kg
75-15-0	Carbon Disulfide	5.1	U	1.1	5.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.1	U	0.98	5.1	ug/Kg
79-20-9	Methyl Acetate	5.1	U	1.5	5.1	ug/Kg
75-09-2	Methylene Chloride	5.1	U	1.5	5.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.1	U	0.71	5.1	ug/Kg
75-34-3	1,1-Dichloroethane	5.1	U	0.96	5.1	ug/Kg
110-82-7	Cyclohexane	5.1	U	1	5.1	ug/Kg
78-93-3	2-Butanone	26	U	3.2	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.1	U	1	5.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.4		0.91	5.1	ug/Kg
67-66-3	Chloroform	5.1	U	0.76	5.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.1	U	0.9	5.1	ug/Kg
108-87-2	Methylcyclohexane	5.1	U	1.1	5.1	ug/Kg
71-43-2	Benzene	5.1	U	0.39	5.1	ug/Kg
107-06-2	1,2-Dichloroethane	5.1	U	0.66	5.1	ug/Kg
79-01-6	Trichloroethene	4.4	J	0.88	5.1	ug/Kg
78-87-5	1,2-Dichloropropane	5.1	U	0.27	5.1	ug/Kg
75-27-4	Bromodichloromethane	5.1	U	0.64	5.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3	26	ug/Kg
108-88-3	Toluene	5.1	U	0.66	5.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.1	U	0.81	5.1	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.1	U	0.74	5.1	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB19-1.0	SDG No.:	C4131
Lab Sample ID:	C4131-19	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	3
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029112.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.1	U	0.92	5.1	ug/Kg
591-78-6	2-Hexanone	26	U	4	26	ug/Kg
124-48-1	Dibromochloromethane	5.1	U	0.55	5.1	ug/Kg
106-93-4	1,2-Dibromoethane	5.1	U	0.66	5.1	ug/Kg
127-18-4	Tetrachloroethene	6.5		1	5.1	ug/Kg
108-90-7	Chlorobenzene	5.1	U	0.51	5.1	ug/Kg
100-41-4	Ethyl Benzene	5.1	U	0.64	5.1	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.74	10	ug/Kg
95-47-6	o-Xylene	5.1	U	0.7	5.1	ug/Kg
100-42-5	Styrene	5.1	U	0.46	5.1	ug/Kg
75-25-2	Bromoform	5.1	U	0.76	5.1	ug/Kg
98-82-8	Isopropylbenzene	5.1	U	0.49	5.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U	0.47	5.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.1	U	0.38	5.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.1	U	0.42	5.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.1	U	0.64	5.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.1	U	0.89	5.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.1	U	0.72	5.1	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.2		56 - 120	86%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	46		67 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		33 - 141	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306498	4.35			
540-36-3	1,4-Difluorobenzene	476893	5.1			
3114-55-4	Chlorobenzene-d5	439962	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	218688	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB19-2.8	SDG No.:	C4131
Lab Sample ID:	C4131-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029113.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.6	U	0.73	5.6	ug/Kg
74-87-3	Chloromethane	5.6	U	0.96	5.6	ug/Kg
75-01-4	Vinyl Chloride	5.6	U	1.4	5.6	ug/Kg
74-83-9	Bromomethane	5.6	U	2.7	5.6	ug/Kg
75-00-3	Chloroethane	5.6	U	1.6	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	5.6	U	1.5	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U	1.5	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	5.6	U	1.6	5.6	ug/Kg
67-64-1	Acetone	28	U	3.4	28	ug/Kg
75-15-0	Carbon Disulfide	5.6	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.6	U	1.1	5.6	ug/Kg
79-20-9	Methyl Acetate	5.6	U	1.7	5.6	ug/Kg
75-09-2	Methylene Chloride	5.6	U	1.6	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.6	U	0.77	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	5.6	U	1.1	5.6	ug/Kg
110-82-7	Cyclohexane	5.6	U	1.1	5.6	ug/Kg
78-93-3	2-Butanone	28	U	3.5	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.6	U	1.1	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.6	U	1	5.6	ug/Kg
67-66-3	Chloroform	5.6	U	0.83	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.6	U	0.98	5.6	ug/Kg
108-87-2	Methylcyclohexane	5.6	U	1.2	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.43	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	5.6	U	0.72	5.6	ug/Kg
79-01-6	Trichloroethene	5.6	U	0.96	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	0.29	5.6	ug/Kg
75-27-4	Bromodichloromethane	5.6	U	0.69	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.3	28	ug/Kg
108-88-3	Toluene	2.2	J	0.72	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.6	U	0.88	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.6	U	0.81	5.6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB19-2.8	SDG No.:	C4131
Lab Sample ID:	C4131-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029113.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.6	U	1	5.6	ug/Kg
591-78-6	2-Hexanone	28	U	4.4	28	ug/Kg
124-48-1	Dibromochloromethane	5.6	U	0.6	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	5.6	U	0.72	5.6	ug/Kg
127-18-4	Tetrachloroethene	5.6	U	1.1	5.6	ug/Kg
108-90-7	Chlorobenzene	5.6	U	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.69	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11	J	0.81	11	ug/Kg
95-47-6	o-Xylene	4.4	J	0.76	5.6	ug/Kg
100-42-5	Styrene	5.6	U	0.5	5.6	ug/Kg
75-25-2	Bromoform	5.6	U	0.83	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.54	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	0.51	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.6	U	0.41	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.6	U	0.46	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.6	U	0.69	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	0.97	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.6	U	0.78	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.9		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	47.4		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		33 - 141	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320627	4.35			
540-36-3	1,4-Difluorobenzene	486763	5.1			
3114-55-4	Chlorobenzene-d5	452597	9.31			
3855-82-1	1,4-Dichlorobenzene-d4	255448	12.24			
TENTATIVE IDENTIFIED COMPOUNDS						
000124-18-5	Decane	41	J		11.34	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	4.7	J		11.5	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	16	J		11.7	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB19-2.8	SDG No.:	C4131
Lab Sample ID:	C4131-20	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029113.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
95-63-6	1,2,4-Trimethylbenzene	29	J		11.89	ug/Kg
000526-73-8	Benzene, 1,2,3-trimethyl-	24	J		12.3	ug/Kg
001074-43-7	Benzene, 1-methyl-3-propyl-	17	J		12.47	ug/Kg
104-51-8	n-Butylbenzene	7.0	J		12.54	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	25	J		12.8	ug/Kg
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)	21	J		12.86	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	21	J		13.24	ug/Kg
	unknown13.43	17	J		13.43	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	41	J		13.58	ug/Kg
056253-64-6	Benzene, (2-methyl-1-butenyl)-	13	J		13.85	ug/Kg
91-20-3	Naphthalene	11	J		14.15	ug/Kg

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Hit Summary Sheet

SW-846

SDG No.: C4131

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB13-3.5							
C4131-05	SB13-3.5	SOIL	Methylcyclohexane	2.80	J	5.6	1.2	ug/Kg
			Total Voc :		2.80			
C4131-05	SB13-3.5	SOIL	n-propylbenzene	* 3.90	J	5.6	0.40	ug/Kg
C4131-05	SB13-3.5	SOIL	1,3,5-Trimethylbenzene	* 89.00	J	5.6	0.51	ug/Kg
C4131-05	SB13-3.5	SOIL	1,2,4-Trimethylbenzene	* 47.00	J	5.6	0.56	ug/Kg
C4131-05	SB13-3.5	SOIL	p-Isopropyltoluene	* 3.80	J	5.6	0.33	ug/Kg
C4131-05	SB13-3.5	SOIL	n-Butylbenzene	* 17.00	J	5.6	0.52	ug/Kg
C4131-05	SB13-3.5	SOIL	Naphthalene	* 7.20	J	5.6	0.51	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 94.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1,3,5-trimethyl-	* 110.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1,3-diethyl-	* 45.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1,2,3,5-tetramethyl-	* 46.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1-methyl-2-(1-methylet	* 85.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1-ethyl-2-methyl-	* 61.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	1H-Indene, 2,3-dihydro-4-methyl	* 110.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1-ethyl-2,4-dimethyl-	* 49.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, 1-methyl-3-propyl-	* 44.00	J	0	0	ug/Kg
C4131-05	SB13-3.5	SOIL	Benzene, (2-methyl-1-butenyl)-	* 58.00	J	0	0	ug/Kg
			Total Tics :		869.90			
			Total Concentration:		872.70			
Client ID:	SB14-1.5							
C4131-07	SB14-1.5	SOIL	Trichloroethene	6.10		5.9	1.0	ug/Kg
C4131-07	SB14-1.5	SOIL	Tetrachloroethene	18.00		5.9	1.2	ug/Kg
			Total Voc :		24.10			
			Total Concentration:		24.10			
Client ID:	SB15-3.5							
C4131-11	SB15-3.5	SOIL	Butane, 2,2,3,3-tetramethyl-	* 8.70	J	0	0	ug/Kg
			Total Tics :		8.70			
			Total Concentration:		8.70			
Client ID:	SB15-6.5							
C4131-12	SB15-6.5	SOIL	m/p-Xylenes	16.00		11	0.79	ug/Kg
			Total Voc :		16.00			
C4131-12	SB15-6.5	SOIL	1,2,4-Trimethylbenzene	* 3.30	J	5.5	0.55	ug/Kg
			Total Tics :		3.30			
			Total Concentration:		19.30			
Client ID:	SB18-1.0							
C4131-17	SB18-1.0	SOIL	cis-1,2-Dichloroethene	42.00		5.7	1.0	ug/Kg
C4131-17	SB18-1.0	SOIL	Trichloroethene	7.90		5.7	0.99	ug/Kg
C4131-17	SB18-1.0	SOIL	Tetrachloroethene	66.00		5.7	1.2	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: C4131

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Total Voc :					115.90			
Total Concentration:					115.90			
Client ID:	SB18-3.0							
C4131-18	SB18-3.0	SOIL	cis-1,2-Dichloroethene	35.00		5.8	1.0	ug/Kg
Total Voc :					35.00			
C4131-18	SB18-3.0	SOIL	unknown10.68	* 17.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	Decane, 4-methyl-	* 26.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	1-Ethyl-3-methylcyclohexane (c,i	* 23.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	Cyclohexane, 1-methyl-3-propyl-	* 30.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	17-Pentatriacontene	* 26.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	Heptane, 3-ethyl-2-methyl-	* 31.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	Cis-bicyclo[4.2.0]octane	* 23.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	Cyclohexane, 1-methyl-4-(1-metl	* 16.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	4-Octene, 2,6-dimethyl-, [S-(E)]-	* 45.00	J	0	0	ug/Kg
C4131-18	SB18-3.0	SOIL	E-2-Tetradecen-1-ol	* 23.00	J	0	0	ug/Kg
Total Tics :					260.00			
Total Concentration:					295.00			
Client ID:	SB19-1.0							
C4131-19	SB19-1.0	SOIL	cis-1,2-Dichloroethene	7.40		5.1	0.91	ug/Kg
C4131-19	SB19-1.0	SOIL	Trichloroethene	4.40	J	5.1	0.88	ug/Kg
C4131-19	SB19-1.0	SOIL	Tetrachloroethene	6.50		5.1	1.0	ug/Kg
Total Voc :					18.30			
Total Concentration:					18.30			
Client ID:	SB19-2.8							
C4131-20	SB19-2.8	SOIL	Toluene	2.20	J	5.6	0.72	ug/Kg
C4131-20	SB19-2.8	SOIL	m/p-Xylenes	11.00	J	11	0.81	ug/Kg
C4131-20	SB19-2.8	SOIL	o-Xylene	4.40	J	5.6	0.76	ug/Kg
Total Voc :					17.60			
C4131-20	SB19-2.8	SOIL	1,3,5-Trimethylbenzene	* 4.70	J	5.6	0.50	ug/Kg
C4131-20	SB19-2.8	SOIL	1,2,4-Trimethylbenzene	* 29.00	J	5.6	0.56	ug/Kg
C4131-20	SB19-2.8	SOIL	n-Butylbenzene	* 7.00	J	5.6	0.51	ug/Kg
C4131-20	SB19-2.8	SOIL	Naphthalene	* 11.00	J	5.6	0.50	ug/Kg
C4131-20	SB19-2.8	SOIL	unknown13.43	* 17.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 21.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Decane	* 41.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Benzene, 1,2,3-trimethyl-	* 24.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Benzene, 1,2,3,5-tetramethyl-	* 41.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Benzene, 1-methyl-2-(1-methylet	* 21.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Benzene, 1-ethyl-2-methyl-	* 16.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Benzene, 1-methyl-3-propyl-	* 17.00	J	0	0	ug/Kg



Hit Summary Sheet
SW-846

SDG No.: C4131

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration		C	RDL	MDL	Units
C4131-20	SB19-2.8	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	*	25.00	J	0	0	ug/Kg
C4131-20	SB19-2.8	SOIL	Benzene, (2-methyl-1-butenyl)-	*	13.00	J	0	0	ug/Kg
Total Tics :						287.70			
Total Concentration:						305.30			

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4131 SAS No.: C4131 SDG NO.: C4131

Level: (low/med) LOW Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBF1021S1	VBF1021S1	103	100	104	113	0
02	BSF1021S1	BSF1021S1	97	96	99	109	0
03	C4131-01	SB11-1.0	90	96	96	102	0
04	C4131-02	SB11-3.0	83	91	93	101	0
05	C4131-03	SB12-1.5	84	90	95	93	0
06	C4131-04	SB12-4.0	89	92	95	96	0
07	C4131-05	SB13-3.5	86	90	97	94	0
08	VBF1024S1	VBF1024S1	95	95	97	101	0
09	BSF1024S1	BSF1024S1	93	93	96	102	0
10	C4131-07	SB14-1.5	80	86	90	67	0
11	C4131-08MS	SB14-1.5MS	87	88	93	96	0
12	C4131-09MSD	SB14-1.5MSD	99	97	99	102	0
13	C4131-06	SB13-6.0	82	86	94	97	0
14	C4131-10	SB14-6.5	83	85	94	96	0
15	C4131-11	SB15-3.5	87	87	95	97	0
16	C4131-12	SB15-6.5	80	90	94	94	0
17	C4131-13	SB16-3.5	81	89	94	84	0
18	C4131-14	SB16-6.0	92	88	94	98	0
19	C4131-15	SB17-3.5	83	89	93	84	0
20	C4131-17	SB18-1.0	83	91	91	72	0
21	C4131-18	SB18-3.0	89	89	96	99	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (56-120)

SMC2 (DBFM) =Dibromofluoromethane (57-135)

SMC3 (TOL) =Toluene-d8 (67-123)

SMC4 (BFB) =4-Bromofluorobenzene (33-141)

Column to be used to flag recovery values
 * Values outside of contract required QC Limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4131 SAS No.: C4131 SDG NO.: C4131

Level: (low/med) LOW Analytical Method: EPA SW846 8260

22	VBF1025S1	VBF1025S1	90	94	95	96	0
23	BSF1025S1	BSF1025S1	94	96	99	101	0
24	C4131-16	SB17-6.0	78	85	93	84	0
25	C4131-19	SB19-1.0	86	89	92	84	0
26	C4131-20	SB19-2.8	84	88	95	91	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (56-120)
 SMC2 (DBFM) =Dibromofluoromethane (57-135)
 SMC3 (TOL) =Toluene-d8 (67-123)
 SMC4 (BFB) =4-Bromofluorobenzene (33-141)

Column to be used to flag recovery values
 * Values outside of contract required QC Limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131Matrix Spike - EPA Sample No : C4131-08 Analytical Method: EPA SW846 8260 Datafile : VF029092.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	60	0	56	93	(44-157)
Chloromethane	60	0	51	85	(51-144)
Vinyl Chloride	60	0	54	90	(56-145)
Bromomethane	60	0	58	97	(47-151)
Chloroethane	60	0	64	107	(55-158)
Trichlorofluoromethane	60	0	72	120	(63-145)
1,1,2-Trichlorotrifluoroethane	60	0	63	105	(63-141)
1,1-Dichloroethene	60	0	65	108	(64-140)
Acetone	298	0	260	87	(41-145)
Carbon Disulfide	60	0	68	113	(56-139)
Methyl tert-butyl Ether	60	0	58	97	(64-132)
Methyl Acetate	60	0	64	107	(21-221)
Methylene Chloride	60	0	62	103	(59-133)
trans-1,2-Dichloroethene	60	0	63	105	(64-135)
1,1-Dichloroethane	60	0	60	100	(66-135)
Cyclohexane	60	0	51	85	(59-140)
2-Butanone	298	0	220	74	(54-137)
Carbon Tetrachloride	60	0	69	115	(66-137)
cis-1,2-Dichloroethene	60	0	61	102	(65-132)
Chloroform	60	0	61	102	(68-132)
1,1,1-Trichloroethane	60	0	67	112	(69-138)
Methylcyclohexane	60	0	63	105	(54-134)
Benzene	60	0	59	98	(68-130)
1,2-Dichloroethane	60	0	64	107	(68-130)
Trichloroethene	60	6.1	67	102	(54-149)
1,2-Dichloropropane	60	0	58	97	(65-136)
Bromodichloromethane	60	0	66	110	(68-132)
4-Methyl-2-Pentanone	298	0	240	81	(59-137)
Toluene	60	0	65	108	(65-133)
t-1,3-Dichloropropene	60	0	61	102	(64-129)
cis-1,3-Dichloropropene	60	0	60	100	(65-129)
1,1,2-Trichloroethane	60	0	62	103	(66-131)
2-Hexanone	298	0	300	101	(58-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131

Matrix Spike - EPA Sample No : C4131-08 Analytical Method: EPA SW846 8260 Datafile : VF029092.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	60	0	67	112	(67-131)
1,2-Dibromoethane	60	0	66	110	(65-130)
Tetrachloroethene	60	18	71	88	(37-161)
Chlorobenzene	60	0	65	108	(66-128)
Ethyl Benzene	60	0	68	113	(65-133)
m/p-Xylenes	119	0	130	109	(62-134)
o-Xylene	60	0	66	110	(65-133)
Styrene	60	0	64	107	(66-127)
Bromoform	60	0	62	103	(68-131)
Isopropylbenzene	60	0	65	108	(64-139)
1,1,2,2-Tetrachloroethane	60	0	64	107	(48-150)
1,3-Dichlorobenzene	60	0	66	110	(60-129)
1,4-Dichlorobenzene	60	0	65	108	(59-128)
1,2-Dichlorobenzene	60	0	65	108	(63-127)
1,2-Dibromo-3-Chloropropane	60	0	49	82	(65-137)
1,2,4-Trichlorobenzene	60	0	61	102	(38-131)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131Matrix Spike - EPA Sample No : C4131-09 Analytical Method: EPA SW846 8260 Datafile : VF029093.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	60	55	92	1	20	(44-157)
Chloromethane	60	52	87	2	20	(51-144)
Vinyl Chloride	60	54	90	0	20	(56-145)
Bromomethane	60	65	108	11	20	(47-151)
Chloroethane	60	64	107	0	20	(55-158)
Trichlorofluoromethane	60	73	122	2	20	(63-145)
1,1,2-Trichlorotrifluoroethane	60	61	102	3	20	(63-141)
1,1-Dichloroethene	60	66	110	2	20	(64-140)
Acetone	298	270	91	4	20	(41-145)
Carbon Disulfide	60	68	113	0	20	(56-139)
Methyl tert-butyl Ether	60	63	105	8	20	(64-132)
Methyl Acetate	60	71	118	10	20	(21-221)
Methylene Chloride	60	64	107	4	20	(59-133)
trans-1,2-Dichloroethene	60	63	105	0	20	(64-135)
1,1-Dichloroethane	60	62	103	3	20	(66-135)
Cyclohexane	60	52	87	2	20	(59-140)
2-Butanone	298	230	77	4	20	(54-137)
Carbon Tetrachloride	60	66	110	4	20	(66-137)
cis-1,2-Dichloroethene	60	61	102	0	20	(65-132)
Chloroform	60	61	102	0	20	(68-132)
1,1,1-Trichloroethane	60	65	108	4	20	(69-138)
Methylcyclohexane	60	61	102	3	20	(54-134)
Benzene	60	58	97	1	20	(68-130)
1,2-Dichloroethane	60	63	105	2	20	(68-130)
Trichloroethene	60	66	100	2	20	(54-149)
1,2-Dichloropropane	60	55	92	5	20	(65-136)
Bromodichloromethane	60	63	105	5	20	(68-132)
4-Methyl-2-Pentanone	298	240	81	0	20	(59-137)
Toluene	60	61	102	6	20	(65-133)
t-1,3-Dichloropropene	60	59	98	4	20	(64-129)
cis-1,3-Dichloropropene	60	58	97	3	20	(65-129)
1,1,2-Trichloroethane	60	61	102	1	20	(66-131)
2-Hexanone	298	290	97	4	20	(58-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131

Matrix Spike - EPA Sample No : C4131-09 Analytical Method: EPA SW846 8260 Datafile : VF029093.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS	
			%	%	RPD	REC
Dibromochloromethane	60	64	107	5	20	(67-131)
1,2-Dibromoethane	60	64	107	3	20	(65-130)
Tetrachloroethene	60	71	88	0	20	(37-161)
Chlorobenzene	60	63	105	3	20	(66-128)
Ethyl Benzene	60	65	108	5	20	(65-133)
m/p-Xylenes	119	130	109	0	20	(62-134)
o-Xylene	60	64	107	3	20	(65-133)
Styrene	60	62	103	4	20	(66-127)
Bromoform	60	61	102	1	20	(68-131)
Isopropylbenzene	60	62	103	5	20	(64-139)
1,1,2,2-Tetrachloroethane	60	65	108	1	20	(48-150)
1,3-Dichlorobenzene	60	63	105	5	20	(60-129)
1,4-Dichlorobenzene	60	63	105	3	20	(59-128)
1,2-Dichlorobenzene	60	61	102	6	20	(63-127)
1,2-Dibromo-3-Chloropropane	60	49	82	0	20	(65-137)
1,2,4-Trichlorobenzene	60	55	92	10	20	(38-131)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131

Matrix Spike - EPA Sample No : BSF1021S1 Analytical Method: EPA SW846 8260 Datafile : VF029065.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		35	175*	(50-142)
Chloromethane	20		27	135*	(65-131)
Vinyl Chloride	20		31	155*	(67-130)
Bromomethane	20		37	185*	(64-136)
Chloroethane	20		32	160*	(66-146)
Trichlorofluoromethane	20		32	160*	(72-134)
1,1,2-Trichlorotrifluoroethane	20		32	160*	(73-133)
1,1-Dichloroethene	20		25	125	(74-130)
Acetone	100		100	100	(57-135)
Carbon Disulfide	20		25	125	(71-130)
Methyl tert-butyl Ether	20		19	95	(76-123)
Methyl Acetate	20		14	70	(62-146)
Methylene Chloride	20		22	110	(73-134)
trans-1,2-Dichloroethene	20		21	105	(76-125)
1,1-Dichloroethane	20		19	95	(78-124)
Cyclohexane	20		18	90	(72-130)
2-Butanone	100		80	80	(68-132)
Carbon Tetrachloride	20		21	105	(76-127)
cis-1,2-Dichloroethene	20		19	95	(78-122)
Chloroform	20		19	95	(79-122)
1,1,1-Trichloroethane	20		22	110	(76-126)
Methylcyclohexane	20		19	95	(75-127)
Benzene	20		18	90	(79-124)
1,2-Dichloroethane	20		19	95	(78-124)
Trichloroethene	20		20	100	(78-124)
1,2-Dichloropropane	20		17	85	(76-124)
Bromodichloromethane	20		19	95	(78-122)
4-Methyl-2-Pentanone	100		76	76	(73-135)
Toluene	20		19	95	(78-124)
t-1,3-Dichloropropene	20		20	100	(77-123)
cis-1,3-Dichloropropene	20		19	95	(79-120)
1,1,2-Trichloroethane	20		19	95	(78-123)
2-Hexanone	100		85	85	(71-134)
Dibromochloromethane	20		20	100	(77-121)
1,2-Dibromoethane	20		20	100	(78-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131Matrix Spike - EPA Sample No : BSF1021S1 Analytical Method: EPA SW846 8260 Datafile : VF029065.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		18	90	(67-134)
Chlorobenzene	20		19	95	(80-121)
Ethyl Benzene	20		19	95	(80-123)
m/p-Xylenes	40		39	98	(79-126)
o-Xylene	20		19	95	(80-122)
Styrene	20		19	95	(81-121)
Bromoform	20		19	95	(73-124)
Isopropylbenzene	20		16	80	(79-123)
1,1,2,2-Tetrachloroethane	20		17	85	(79-124)
1,3-Dichlorobenzene	20		20	100	(82-120)
1,4-Dichlorobenzene	20		20	100	(81-120)
1,2-Dichlorobenzene	20		21	105	(82-118)
1,2-Dibromo-3-Chloropropane	20		18	90	(72-127)
1,2,4-Trichlorobenzene	20		27	135*	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 8 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131

Matrix Spike - EPA Sample No : BSF1024S1 Analytical Method: EPA SW846 8260 Datafile : VF029088.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		19	95	(50-142)
Chloromethane	20		14	70	(65-131)
Vinyl Chloride	20		18	90	(67-130)
Bromomethane	20		19	95	(64-136)
Chloroethane	20		19	95	(66-146)
Trichlorofluoromethane	20		23	115	(72-134)
1,1,2-Trichlorotrifluoroethane	20		19	95	(73-133)
1,1-Dichloroethene	20		21	105	(74-130)
Acetone	100		90	90	(57-135)
Carbon Disulfide	20		20	100	(71-130)
Methyl tert-butyl Ether	20		19	95	(76-123)
Methyl Acetate	20		17	85	(62-146)
Methylene Chloride	20		19	95	(73-134)
trans-1,2-Dichloroethene	20		20	100	(76-125)
1,1-Dichloroethane	20		19	95	(78-124)
Cyclohexane	20		15	75	(72-130)
2-Butanone	100		78	78	(68-132)
Carbon Tetrachloride	20		21	105	(76-127)
cis-1,2-Dichloroethene	20		19	95	(78-122)
Chloroform	20		19	95	(79-122)
1,1,1-Trichloroethane	20		20	100	(76-126)
Methylcyclohexane	20		19	95	(75-127)
Benzene	20		18	90	(79-124)
1,2-Dichloroethane	20		20	100	(78-124)
Trichloroethene	20		21	105	(78-124)
1,2-Dichloropropane	20		17	85	(76-124)
Bromodichloromethane	20		20	100	(78-122)
4-Methyl-2-Pentanone	100		83	83	(73-135)
Toluene	20		20	100	(78-124)
t-1,3-Dichloropropene	20		20	100	(77-123)
cis-1,3-Dichloropropene	20		19	95	(79-120)
1,1,2-Trichloroethane	20		20	100	(78-123)
2-Hexanone	100		87	87	(71-134)
Dibromochloromethane	20		21	105	(77-121)
1,2-Dibromoethane	20		21	105	(78-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131Matrix Spike - EPA Sample No : BSF1024S1 Analytical Method: EPA SW846 8260 Datafile : VF029088.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		20	100	(67-134)
Chlorobenzene	20		20	100	(80-121)
Ethyl Benzene	20		21	105	(80-123)
m/p-Xylenes	40		41	103	(79-126)
o-Xylene	20		20	100	(80-122)
Styrene	20		20	100	(81-121)
Bromoform	20		21	105	(73-124)
Isopropylbenzene	20		18	90	(79-123)
1,1,2,2-Tetrachloroethane	20		19	95	(79-124)
1,3-Dichlorobenzene	20		20	100	(82-120)
1,4-Dichlorobenzene	20		20	100	(81-120)
1,2-Dichlorobenzene	20		21	105	(82-118)
1,2-Dibromo-3-Chloropropane	20		17	85	(72-127)
1,2,4-Trichlorobenzene	20		24	120	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131

Matrix Spike - EPA Sample No : BSF1025S1 Analytical Method: EPA SW846 8260 Datafile : VF029110.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		20	100	(50-142)
Chloromethane	20		20	100	(65-131)
Vinyl Chloride	20		22	110	(67-130)
Bromomethane	20		22	110	(64-136)
Chloroethane	20		24	120	(66-146)
Trichlorofluoromethane	20		23	115	(72-134)
1,1,2-Trichlorotrifluoroethane	20		21	105	(73-133)
1,1-Dichloroethene	20		23	115	(74-130)
Acetone	100		81	81	(57-135)
Carbon Disulfide	20		24	120	(71-130)
Methyl tert-butyl Ether	20		19	95	(76-123)
Methyl Acetate	20		18	90	(62-146)
Methylene Chloride	20		22	110	(73-134)
trans-1,2-Dichloroethene	20		21	105	(76-125)
1,1-Dichloroethane	20		20	100	(78-124)
Cyclohexane	20		19	95	(72-130)
2-Butanone	100		85	85	(68-132)
Carbon Tetrachloride	20		20	100	(76-127)
cis-1,2-Dichloroethene	20		21	105	(78-122)
Chloroform	20		20	100	(79-122)
1,1,1-Trichloroethane	20		20	100	(76-126)
Methylcyclohexane	20		20	100	(75-127)
Benzene	20		20	100	(79-124)
1,2-Dichloroethane	20		19	95	(78-124)
Trichloroethene	20		21	105	(78-124)
1,2-Dichloropropane	20		20	100	(76-124)
Bromodichloromethane	20		20	100	(78-122)
4-Methyl-2-Pentanone	100		88	88	(73-135)
Toluene	20		20	100	(78-124)
t-1,3-Dichloropropene	20		21	105	(77-123)
cis-1,3-Dichloropropene	20		20	100	(79-120)
1,1,2-Trichloroethane	20		20	100	(78-123)
2-Hexanone	100		92	92	(71-134)
Dibromochloromethane	20		19	95	(77-121)
1,2-Dibromoethane	20		19	95	(78-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4131 SAS No : C4131 SDG No: C4131Matrix Spike - EPA Sample No : BSF1025S1 Analytical Method: EPA SW846 8260 Datafile : VF029110.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		20	100	(67-134)
Chlorobenzene	20		21	105	(80-121)
Ethyl Benzene	20		21	105	(80-123)
m/p-Xylenes	40		42	105	(79-126)
o-Xylene	20		20	100	(80-122)
Styrene	20		20	100	(81-121)
Bromoform	20		18	90	(73-124)
Isopropylbenzene	20		20	100	(79-123)
1,1,2,2-Tetrachloroethane	20		20	100	(79-124)
1,3-Dichlorobenzene	20		21	105	(82-120)
1,4-Dichlorobenzene	20		21	105	(81-120)
1,2-Dichlorobenzene	20		21	105	(82-118)
1,2-Dibromo-3-Chloropropane	20		17	85	(72-127)
1,2,4-Trichlorobenzene	20		22	110	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1021S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4131SAS No.: C4131 SDG NO.: C4131Lab File ID: VF029064.DLab Sample ID: VBF1021S1Date Analyzed: 10/21/2011Time Analyzed: 12:25GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1021S1	BSF1021S1	VF029065.D	10/21/2011
SB11-1.0	C4131-01	VF029078.D	10/21/2011
SB11-3.0	C4131-02	VF029079.D	10/21/2011
SB12-1.5	C4131-03	VF029080.D	10/21/2011
SB12-4.0	C4131-04	VF029081.D	10/21/2011
SB13-3.5	C4131-05	VF029082.D	10/21/2011

COMMENTS: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1024S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4131SAS No.: C4131 SDG NO.: C4131Lab File ID: VF029087.DLab Sample ID: VBF1024S1Date Analyzed: 10/24/2011Time Analyzed: 16:04GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1024S1	BSF1024S1	VF029088.D	10/24/2011
SB14-1.5	C4131-07	VF029091.D	10/24/2011
SB14-1.5MS	C4131-08MS	VF029092.D	10/24/2011
SB14-1.5MSD	C4131-09MSD	VF029093.D	10/24/2011
SB13-6.0	C4131-06	VF029094.D	10/24/2011
SB14-6.5	C4131-10	VF029095.D	10/24/2011
SB15-3.5	C4131-11	VF029096.D	10/24/2011
SB15-6.5	C4131-12	VF029097.D	10/24/2011
SB16-3.5	C4131-13	VF029098.D	10/24/2011
SB16-6.0	C4131-14	VF029099.D	10/24/2011
SB17-3.5	C4131-15	VF029100.D	10/24/2011
SB18-1.0	C4131-17	VF029102.D	10/24/2011
SB18-3.0	C4131-18	VF029103.D	10/25/2011

COMMENTS: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1025S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4131SAS No.: C4131 SDG NO.: C4131Lab File ID: VF029109.DLab Sample ID: VBF1025S1Date Analyzed: 10/25/2011Time Analyzed: 12:37GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1025S1	BSF1025S1	VF029110.D	10/25/2011
SB17-6.0	C4131-16	VF029111.D	10/25/2011
SB19-1.0	C4131-19	VF029112.D	10/25/2011
SB19-2.8	C4131-20	VF029113.D	10/25/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBF1021S1	SDG No.:	C4131
Lab Sample ID:	VBF1021S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029064.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBF1021S1		SDG No.:	C4131
Lab Sample ID:	VBF1021S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029064.D	1		10/21/11	VF102111

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		56 - 120	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	51.9		67 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		33 - 141	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240607	4.36			
540-36-3	1,4-Difluorobenzene	342881	5.1			
3114-55-4	Chlorobenzene-d5	338071	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	246430	12.24			

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBF1024S1		SDG No.:	C4131
Lab Sample ID:	VBF1024S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029087.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBF1024S1		SDG No.:	C4131
Lab Sample ID:	VBF1024S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029087.D	1		10/24/11	VF102411

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	48.3		67 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		33 - 141	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	319454	4.36			
540-36-3	1,4-Difluorobenzene	464454	5.11			
3114-55-4	Chlorobenzene-d5	448809	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	293480	12.24			

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBF1025S1		SDG No.:	C4131
Lab Sample ID:	VBF1025S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029109.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBF1025S1		SDG No.:	C4131
Lab Sample ID:	VBF1025S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029109.D	1		10/25/11	VF102511

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		56 - 120	90%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	47.6		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	393919	4.36			
540-36-3	1,4-Difluorobenzene	573494	5.11			
3114-55-4	Chlorobenzene-d5	534461	9.32			
3855-82-1	1,4-Dichlorobenzene-d4	317622	12.23			



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4131 SAS No.: C4131 SDG NO.: C4131
Lab File ID: VF029063.D Date Analyzed: 10/21/2011
Instrument ID: MSVOA_F Time Analyzed: 11:37
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	269136	4.36	380239	5.11	384828	9.32
UPPER LIMIT	538272	4.86	760478	5.61	769656	9.82
LOWER LIMIT	134568	3.86	190119.5	4.61	192414	8.82
EPA SAMPLE NO.						
BSF1021S1	218339	4.36	325681	5.11	329071	9.32
SB11-1.0	218556	4.35	319883	5.10	328862	9.32
SB11-3.0	257167	4.36	370503	5.10	380252	9.32
SB12-1.5	246654	4.36	361562	5.11	356506	9.33
SB12-4.0	266853	4.37	399972	5.11	403061	9.33
SB13-3.5	258122	4.36	383324	5.11	383341	9.32
VBF1021S1	240607	4.36	342881	5.10	338071	9.33

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4131 SAS No.: C4131 SDG NO.: C4131
Lab File ID: VF029063.D Date Analyzed: 10/21/2011
Instrument ID: MSVOA_F Time Analyzed: 11:37
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	275160	12.25				
UPPER LIMIT	550320	12.75				
LOWER LIMIT	137580	11.75				
EPA SAMPLE NO.						
BSF1021S1	245714	12.25				
SB11-1.0	216209	12.24				
SB11-3.0	252272	12.24				
SB12-1.5	205255	12.24				
SB12-4.0	251493	12.24				
SB13-3.5	219666	12.24				
VBF1021S1	246430	12.24				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4131 SAS No.: C4131 SDG NO.: C4131
Lab File ID: VF029086.D Date Analyzed: 10/24/2011
Instrument ID: MSVOA_F Time Analyzed: 13:22
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	299195	4.36	429873	5.10	422854	9.32
UPPER LIMIT	598390	4.86	859746	5.6	845708	9.82
LOWER LIMIT	149597.5	3.86	214936.5	4.6	211427	8.82
EPA SAMPLE NO.						
BSF1024S1	300057	4.36	429212	5.10	414677	9.32
SB13-6.0	284278	4.36	420753	5.11	417936	9.32
SB14-1.5	275164	4.36	401545	5.11	345678	9.32
SB14-1.5MS	295684	4.36	425759	5.11	411633	9.32
SB14-1.5MSD	300855	4.36	451973	5.11	432100	9.32
SB14-6.5	277327	4.36	412025	5.11	408005	9.32
SB15-3.5	274182	4.36	399565	5.11	402360	9.32
SB15-6.5	286038	4.36	413572	5.11	407825	9.32
SB16-3.5	286113	4.36	420832	5.11	399760	9.32
SB16-6.0	233818	4.35	351609	5.10	351392	9.32
SB17-3.5	286134	4.36	426901	5.10	398353	9.32
SB18-1.0	287004	4.36	436296	5.12	378084	9.32
SB18-3.0	291777	4.37	436820	5.11	433054	9.32
VBF1024S1	319454	4.36	464454	5.11	448809	9.32

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4131 SAS No.: C4131 SDG NO.: C4131
Lab File ID: VF029086.D Date Analyzed: 10/24/2011
Instrument ID: MSVOA_F Time Analyzed: 13:22
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	277628	12.24				
UPPER LIMIT	555256	12.74				
LOWER LIMIT	138814	11.74				
EPA SAMPLE NO.						
BSF1024S1	282646	12.24				
SB13-6.0	264720	12.23				
SB14-1.5	141415	12.24				
SB14-1.5MS	258290	12.24				
SB14-1.5MSD	271975	12.24				
SB14-6.5	265625	12.24				
SB15-3.5	254512	12.24				
SB15-6.5	242880	12.24				
SB16-3.5	209207	12.24				
SB16-6.0	220878	12.24				
SB17-3.5	206249	12.24				
SB18-1.0	157187	12.24				
SB18-3.0	246337	12.24				
VBF1024S1	293480	12.24				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4131 SAS No.: C4131 SDG NO.: C4131
Lab File ID: VF029108.D Date Analyzed: 10/25/2011
Instrument ID: MSVOA_F Time Analyzed: 11:42
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	369175	4.36	561965	5.10	521358	9.32
UPPER LIMIT	738350	4.86	1123930	5.6	1042716	9.82
LOWER LIMIT	184587.5	3.86	280982.5	4.6	260679	8.82
EPA SAMPLE NO.						
BSF1025S1	344065	4.35	523811	5.10	475016	9.32
SB17-6.0	338840	4.35	507327	5.10	470474	9.31
SB19-1.0	306498	4.35	476893	5.10	439962	9.32
SB19-2.8	320627	4.35	486763	5.10	452597	9.31
VBF1025S1	393919	4.36	573494	5.11	534461	9.32

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4131 SAS No.: C4131 SDG NO.: C4131
Lab File ID: VF029108.D Date Analyzed: 10/25/2011
Instrument ID: MSVOA_F Time Analyzed: 11:42
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	313898	12.23				
UPPER LIMIT	627796	12.73				
LOWER LIMIT	156949	11.73				
EPA SAMPLE NO.						
BSF1025S1	290349	12.23				
SB17-6.0	237703	12.24				
SB19-1.0	218688	12.24				
SB19-2.8	255448	12.24				
VBF1025S1	317622	12.23				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : CHEMICAL SALES SITE

**ARCADIS INC.
855 Route 146, Suite 210**

**Clifton Park , NY - 12065
Phone No: 5182507300**

**ORDER ID : C4133
ATTENTION : Mark Flusche**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB20-1.5	C4133-01	8260B					Chemtech -SOP
SB20-4.0	C4133-02	8260B					Chemtech -SOP
SB21-1.0	C4133-03	8260B					Chemtech -SOP
SB22-1.0	C4133-04	8260B					Chemtech -SOP
SB23-1.0	C4133-05	8260B					Chemtech -SOP
TRIPBLANK	C4133-06	8260B					
FIELDBLANK	C4133-07	8260B					

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IIb

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C4133-01	SOIL	10/12/11	10/13/11		10/18/11
C4133-02	SOIL	10/12/11	10/13/11		10/18/11
C4133-03	SOIL	10/12/11	10/13/11		10/19/11
C4133-04	SOIL	10/12/11	10/13/11		10/18/11
C4133-05	SOIL	10/12/11	10/13/11		10/18/11

C4133-06	WATER	10/12/11	10/13/11		10/21/11
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* Details For Test :VOC-TCLVOA-10

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-III

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C4133-01	Solid	8260B	5035		
C4133-02	Solid	8260B	5035		
C4133-03	Solid	8260B	5035		
C4133-04	Solid	8260B	5035		
C4133-05	Solid	8260B	5035		
C4133-06	Water	8260B	5035,5030		
C4133-07	Water	8260B	5035,5030		



Cover Page

Order ID : C4133

Project ID : Chemical Sales site

Client : Arcadis Inc.

Lab Sample Number

C4133-01
C4133-02
C4133-03
C4133-04
C4133-05
C4133-06

Client Sample Number

SB20-1.5
SB20-4.0
SB21-1.0
SB22-1.0
SB23-1.0
TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

CASE NARRATIVE

Arcadis Inc.

Project Name: Chemical Sales site

Project # N/A

Chemtech Project # C4133

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/13/2011.

1 Water sample was received on 10/13/2011.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator. The analysis performed on instrument MSVOA_G were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap, OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for SB22-1.0 [4-Bromofluorobenzene - 30%].

The Internal Standards Areas met the acceptable requirements except for SB22-1.0, SB22-1.0DL, SB23-1.0 and SB23-1.0DL.

Samples failing in Internal Standard and surrogates were re-analyzed.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD for {C4133-01MSD} with File ID: VF029035.D recoveries met criteria except for Bromomethane[24%], Chloroethane[31%]. The RPD for {BSG1020W2} with File ID: VG038283.D recoveries met criteria except for 2-Hexanone[37%].

The Blank Spike for {BSF1018S1} with File ID: VF029017.D met requirements for all samples except for 1,2-Dibromo-3-Chloropropane[70%].

The Blank Spike for {BSG1020W1} with File ID: VG038282.D met requirements for all samples except for Dichlorodifluoromethane[130%].



The Blank Spike Duplicate for {BSG1020W2} with File ID: VG038283.D met requirements for all samples except for 2-Hexanone[160%], Chloromethane[130%] and Dichlorodifluoromethane[130%] .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements. The %RSD of 2-Butanone was 17.93%. this compound was kept on average response as it did not pass the linear/ quadratic regression.

The Continuous Calibration File ID VF029015.D met the requirements except for 1,2,4-Trichlorobenzene .

The Continuous Calibration File ID VF029039.D met the requirements except for 2-Hexanone.

The Continuous Calibration File ID VG038279.D met the requirements except for Dichlorodifluoromethane, Trichlorofluoromethane, Acetone, Carbon Tetrachloride, 1,1,2-Trichlorotrifluoroethane, Methylene Chloride and Cyclohexane which is not detected in any samples. TripBlank was analyzed under this calibration and it did not have hit.

The Tuning criteria met requirements.

Samples SB22-1.0, SB23-1.0 was diluted due to high concentrations.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **4133**
QUOTE NO.
COC Number **020012**

CLIENT INFORMATION			CLIENT PROJECT INFORMATION			CLIENT BILLING INFORMATION											
COMPANY: <i>Arcadis</i> ADDRESS: <i>555 Rt. 146</i> CITY: <i>Clifton Park</i> STATE: <i>NY</i> ZIP: <i>12065</i> ATTENTION: <i>Mark Hirsch</i> PHONE: <i>518-250-7300</i> FAX: <i>518-250-7301</i>			PROJECT NAME: <i>Chem Sales</i> PROJECT NO: <i>00260393</i> LOCATION: <i>Grates NY</i> PROJECT MANAGER: <i>Dan Lang</i> e-mail: <i>d.Lang@Arcadis-cs.com</i> PHONE: FAX:			BILL TO: PO#: ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:											
DATA TURNAROUND INFORMATION FAX: <i>Standard</i> DAYS: HARD COPY: <i>Standard</i> DAYS: EDD: DAYS: PREAPPROVED TAT: ☐ YES ☐ NO STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			DATA DELIVERABLE INFORMATION ☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD FORMAT _____			ANALYSIS <i>82603 TAL 131</i>											
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP GRAB	SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other	
				DATE	TIME		E	1	2	3	4	5	6	7	8		9
1.	SB20 1.0	Soil	X	10/12/11	1330	1	X										
2.	SB20 4.0	↓	X		1340	1	X										
3.	SB21 1.0'	↓	X		1230	1	X										
4.	SB22 1.0'	↓	X		1240	1	X										
5.	SB23 1.0'	↓	X		1250	1	X										
6.	Trip Blank	DI				4	X										
7.	Field Blank	DI				4	X										
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <i>D Sprick</i>	DATE/TIME: <i>10/12/11 1530</i>	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments:	Cooler Temp. <i>4°C</i> Ice in Cooler?: <i>YPS</i>
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.		
RELINQUISHED BY: 3. <i>Fed Ex</i>	DATE/TIME: <i>10/13/11 7:30</i>	RECEIVED FOR LAB BY: 3. <i>[Signature]</i>		

Page *5* of *5*

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
 CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete:
☒ YES ☐ NO

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB20-1.5	SDG No.:	C4133
Lab Sample ID:	C4133-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	8
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029023.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.3	U	0.7	5.3	ug/Kg
74-87-3	Chloromethane	5.3	U	0.92	5.3	ug/Kg
75-01-4	Vinyl Chloride	5.3	U	1.3	5.3	ug/Kg
74-83-9	Bromomethane	5.3	U	2.6	5.3	ug/Kg
75-00-3	Chloroethane	5.3	U	1.5	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	5.3	U	1.4	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U	1.4	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	5.3	U	1.6	5.3	ug/Kg
67-64-1	Acetone	27	U	3.2	27	ug/Kg
75-15-0	Carbon Disulfide	5.3	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	1	5.3	ug/Kg
79-20-9	Methyl Acetate	5.3	U	1.6	5.3	ug/Kg
75-09-2	Methylene Chloride	5.3	U	1.5	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.3	U	0.74	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	5.3	U	1	5.3	ug/Kg
110-82-7	Cyclohexane	5.3	U	1.1	5.3	ug/Kg
78-93-3	2-Butanone	27	U	3.3	27	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	1.1	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.3	U	0.95	5.3	ug/Kg
67-66-3	Chloroform	5.3	U	0.79	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	16		0.94	5.3	ug/Kg
108-87-2	Methylcyclohexane	5.3	U	1.1	5.3	ug/Kg
71-43-2	Benzene	5.3	U	0.41	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	5.3	U	0.68	5.3	ug/Kg
79-01-6	Trichloroethene	5.3	U	0.92	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	0.28	5.3	ug/Kg
75-27-4	Bromodichloromethane	5.3	U	0.66	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27	U	3.1	27	ug/Kg
108-88-3	Toluene	5.3	U	0.68	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	0.85	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.3	U	0.77	5.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB20-1.5	SDG No.:	C4133
Lab Sample ID:	C4133-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	8
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029023.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.3	U	0.96	5.3	ug/Kg
591-78-6	2-Hexanone	27	U	4.2	27	ug/Kg
124-48-1	Dibromochloromethane	5.3	U	0.58	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	5.3	U	0.68	5.3	ug/Kg
127-18-4	Tetrachloroethene	20		1.1	5.3	ug/Kg
108-90-7	Chlorobenzene	5.3	U	0.53	5.3	ug/Kg
100-41-4	Ethyl Benzene	5.3	U	0.66	5.3	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.77	11	ug/Kg
95-47-6	o-Xylene	5.3	U	0.73	5.3	ug/Kg
100-42-5	Styrene	5.3	U	0.48	5.3	ug/Kg
75-25-2	Bromoform	5.3	U	0.79	5.3	ug/Kg
98-82-8	Isopropylbenzene	5.3	U	0.51	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	0.49	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.3	U	0.4	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.3	U	0.44	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.3	U	0.66	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	0.93	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.3	U	0.75	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.6		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	43.5		57 - 135	87%	SPK: 50
2037-26-5	Toluene-d8	46.4		67 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		33 - 141	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	273909	4.36			
540-36-3	1,4-Difluorobenzene	399102	5.11			
3114-55-4	Chlorobenzene-d5	372285	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	201615	12.24			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB20-1.5	SDG No.:	C4133
Lab Sample ID:	C4133-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	8
Sample Wt/Vol:	5.08	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029023.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB20-4.0	SDG No.:	C4133
Lab Sample ID:	C4133-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029024.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.2	U	0.81	6.2	ug/Kg
74-87-3	Chloromethane	6.2	U	1.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	6.2	U	1.5	6.2	ug/Kg
74-83-9	Bromomethane	6.2	U	3.1	6.2	ug/Kg
75-00-3	Chloroethane	6.2	U	1.7	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	6.2	U	1.6	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.2	U	1.7	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	6.2	U	1.8	6.2	ug/Kg
67-64-1	Acetone	46		3.8	31	ug/Kg
75-15-0	Carbon Disulfide	6.2	U	1.3	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.2	U	1.2	6.2	ug/Kg
79-20-9	Methyl Acetate	6.2	U	1.9	6.2	ug/Kg
75-09-2	Methylene Chloride	2.9	J	1.8	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.2	U	0.86	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	6.2	U	1.2	6.2	ug/Kg
110-82-7	Cyclohexane	6.2	U	1.3	6.2	ug/Kg
78-93-3	2-Butanone	5.6	J	3.9	31	ug/Kg
56-23-5	Carbon Tetrachloride	6.2	U	1.2	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6.2	U	1.1	6.2	ug/Kg
67-66-3	Chloroform	6.2	U	0.92	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	6.2	U	1.3	6.2	ug/Kg
71-43-2	Benzene	6.2	U	0.47	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	6.2	U	0.8	6.2	ug/Kg
79-01-6	Trichloroethene	6.2	U	1.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	6.2	U	0.32	6.2	ug/Kg
75-27-4	Bromodichloromethane	6.2	U	0.77	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	31	U	3.6	31	ug/Kg
108-88-3	Toluene	3.4	J	0.8	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.2	U	0.99	6.2	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.2	U	0.9	6.2	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB20-4.0	SDG No.:	C4133
Lab Sample ID:	C4133-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029024.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.2	U	1.1	6.2	ug/Kg
591-78-6	2-Hexanone	31	U	4.9	31	ug/Kg
124-48-1	Dibromochloromethane	6.2	U	0.67	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	6.2	U	0.8	6.2	ug/Kg
127-18-4	Tetrachloroethene	6.2	U	1.3	6.2	ug/Kg
108-90-7	Chlorobenzene	6.2	U	0.62	6.2	ug/Kg
100-41-4	Ethyl Benzene	6.3		0.77	6.2	ug/Kg
179601-23-1	m/p-Xylenes	5.1	J	0.9	12	ug/Kg
95-47-6	o-Xylene	4.7	J	0.85	6.2	ug/Kg
100-42-5	Styrene	6.2	U	0.56	6.2	ug/Kg
75-25-2	Bromoform	6.2	U	0.92	6.2	ug/Kg
98-82-8	Isopropylbenzene	6.2	U	0.6	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	0.57	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.2	U	0.46	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.2	U	0.51	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.2	U	0.77	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	1.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.2	U	0.87	6.2	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.2		56 - 120	78%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	47.3		67 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		33 - 141	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300974	4.37			
540-36-3	1,4-Difluorobenzene	434267	5.11			
3114-55-4	Chlorobenzene-d5	416485	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	229193	12.24			
TENTATIVE IDENTIFIED COMPOUNDS						
108-67-8	1,3,5-Trimethylbenzene	3.6	J		11.51	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	17	J		11.9	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB20-4.0	SDG No.:	C4133
Lab Sample ID:	C4133-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	19
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029024.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB21-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	52
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029046.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10	U	1.3	10	ug/Kg
74-87-3	Chloromethane	10	U	1.8	10	ug/Kg
75-01-4	Vinyl Chloride	10	U	2.5	10	ug/Kg
74-83-9	Bromomethane	10	U	5	10	ug/Kg
75-00-3	Chloroethane	10	U	2.9	10	ug/Kg
75-69-4	Trichlorofluoromethane	10	U	2.7	10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	2.7	10	ug/Kg
75-35-4	1,1-Dichloroethene	10	U	3	10	ug/Kg
67-64-1	Acetone	51	U	6.2	51	ug/Kg
75-15-0	Carbon Disulfide	10	U	2.2	10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	10	U	2	10	ug/Kg
79-20-9	Methyl Acetate	10	U	3.1	10	ug/Kg
75-09-2	Methylene Chloride	10	U	2.9	10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	10	U	1.4	10	ug/Kg
75-34-3	1,1-Dichloroethane	10	U	1.9	10	ug/Kg
110-82-7	Cyclohexane	10	U	2.1	10	ug/Kg
78-93-3	2-Butanone	51	U	6.4	51	ug/Kg
56-23-5	Carbon Tetrachloride	10	U	2	10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.1	J	1.8	10	ug/Kg
67-66-3	Chloroform	10	U	1.5	10	ug/Kg
71-55-6	1,1,1-Trichloroethane	10	U	1.8	10	ug/Kg
108-87-2	Methylcyclohexane	10	U	2.2	10	ug/Kg
71-43-2	Benzene	10	U	0.78	10	ug/Kg
107-06-2	1,2-Dichloroethane	10	U	1.3	10	ug/Kg
79-01-6	Trichloroethene	10	U	1.8	10	ug/Kg
78-87-5	1,2-Dichloropropane	10	U	0.53	10	ug/Kg
75-27-4	Bromodichloromethane	10	U	1.3	10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	51	U	6	51	ug/Kg
108-88-3	Toluene	10	U	1.3	10	ug/Kg
10061-02-6	t-1,3-Dichloropropene	10	U	1.6	10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	10	U	1.5	10	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB21-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	52
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029046.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	U	1.8	10	ug/Kg
591-78-6	2-Hexanone	51	U	8	51	ug/Kg
124-48-1	Dibromochloromethane	10	U	1.1	10	ug/Kg
106-93-4	1,2-Dibromoethane	10	U	1.3	10	ug/Kg
127-18-4	Tetrachloroethene	10	U	2.1	10	ug/Kg
108-90-7	Chlorobenzene	10	U	1	10	ug/Kg
100-41-4	Ethyl Benzene	10	U	1.3	10	ug/Kg
179601-23-1	m/p-Xylenes	21	U	1.5	21	ug/Kg
95-47-6	o-Xylene	10	U	1.4	10	ug/Kg
100-42-5	Styrene	10	U	0.92	10	ug/Kg
75-25-2	Bromoform	10	U	1.5	10	ug/Kg
98-82-8	Isopropylbenzene	10	U	0.98	10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	10	U	0.94	10	ug/Kg
541-73-1	1,3-Dichlorobenzene	10	U	0.76	10	ug/Kg
106-46-7	1,4-Dichlorobenzene	10	U	0.84	10	ug/Kg
95-50-1	1,2-Dichlorobenzene	10	U	1.3	10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	1.8	10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	10	U	1.4	10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.1		56 - 120	90%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		57 - 135	90%	SPK: 50
2037-26-5	Toluene-d8	45.6		67 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.2		33 - 141	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272876	4.38			
540-36-3	1,4-Difluorobenzene	401582	5.13			
3114-55-4	Chlorobenzene-d5	365973	9.35			
3855-82-1	1,4-Dichlorobenzene-d4	170239	12.25			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB21-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	52
Sample Wt/Vol:	5.08	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-VMS	Test:	VOC-TCLVOA-10
ID :	0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029046.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB22-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	55
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029032.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	11	U	1.4	11	ug/Kg
74-87-3	Chloromethane	11	U	1.9	11	ug/Kg
75-01-4	Vinyl Chloride	11	U	2.7	11	ug/Kg
74-83-9	Bromomethane	11	U	5.3	11	ug/Kg
75-00-3	Chloroethane	11	U	3.1	11	ug/Kg
75-69-4	Trichlorofluoromethane	8.6	J	2.9	11	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	11	U	2.9	11	ug/Kg
75-35-4	1,1-Dichloroethene	5.5	J	3.2	11	ug/Kg
67-64-1	Acetone	55	U	6.6	55	ug/Kg
75-15-0	Carbon Disulfide	11	U	2.3	11	ug/Kg
1634-04-4	Methyl tert-butyl Ether	11	U	2.1	11	ug/Kg
79-20-9	Methyl Acetate	11	U	3.3	11	ug/Kg
75-09-2	Methylene Chloride	5.3	J	3.1	11	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6.6	J	1.5	11	ug/Kg
75-34-3	1,1-Dichloroethane	140		2.1	11	ug/Kg
110-82-7	Cyclohexane	11	U	2.2	11	ug/Kg
78-93-3	2-Butanone	55	U	6.8	55	ug/Kg
56-23-5	Carbon Tetrachloride	11	U	2.2	11	ug/Kg
156-59-2	cis-1,2-Dichloroethene	830	E	1.9	11	ug/Kg
67-66-3	Chloroform	11	U	1.6	11	ug/Kg
71-55-6	1,1,1-Trichloroethane	50		1.9	11	ug/Kg
108-87-2	Methylcyclohexane	11	U	2.3	11	ug/Kg
71-43-2	Benzene	11	U	0.83	11	ug/Kg
107-06-2	1,2-Dichloroethane	11	U	1.4	11	ug/Kg
79-01-6	Trichloroethene	11	U	1.9	11	ug/Kg
78-87-5	1,2-Dichloropropane	11	U	0.57	11	ug/Kg
75-27-4	Bromodichloromethane	11	U	1.4	11	ug/Kg
108-10-1	4-Methyl-2-Pentanone	55	U	6.4	55	ug/Kg
108-88-3	Toluene	11	U	1.4	11	ug/Kg
10061-02-6	t-1,3-Dichloropropene	11	U	1.7	11	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	11	U	1.6	11	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB22-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	55
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029032.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	11	U	2	11	ug/Kg
591-78-6	2-Hexanone	55	U	8.6	55	ug/Kg
124-48-1	Dibromochloromethane	11	U	1.2	11	ug/Kg
106-93-4	1,2-Dibromoethane	11	U	1.4	11	ug/Kg
127-18-4	Tetrachloroethene	11	U	2.2	11	ug/Kg
108-90-7	Chlorobenzene	11	U	1.1	11	ug/Kg
100-41-4	Ethyl Benzene	11	U	1.4	11	ug/Kg
179601-23-1	m/p-Xylenes	22	U	1.6	22	ug/Kg
95-47-6	o-Xylene	11	U	1.5	11	ug/Kg
100-42-5	Styrene	11	U	0.98	11	ug/Kg
75-25-2	Bromoform	11	U	1.6	11	ug/Kg
98-82-8	Isopropylbenzene	11	U	1	11	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	11	U	1	11	ug/Kg
541-73-1	1,3-Dichlorobenzene	11	U	0.81	11	ug/Kg
106-46-7	1,4-Dichlorobenzene	11	U	0.9	11	ug/Kg
95-50-1	1,2-Dichlorobenzene	11	U	1.4	11	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	11	U	1.9	11	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	11	U	1.5	11	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		57 - 135	101%	SPK: 50
2037-26-5	Toluene-d8	36.3		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	14.9	*	33 - 141	30%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	189395	4.37			
540-36-3	1,4-Difluorobenzene	299876	5.12			
3114-55-4	Chlorobenzene-d5	172260	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	43231	12.24			
TENTATIVE IDENTIFIED COMPOUNDS						
000079-02-7	Dichloroacetaldehyde	42	J		7.99	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB22-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	55
Sample Wt/Vol:	5.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029032.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB22-1.0DL	SDG No.:	C4133
Lab Sample ID:	C4133-04DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	55
Sample Wt/Vol:	1.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029048.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	53	U	6.9	53	ug/Kg
74-87-3	Chloromethane	53	U	9.1	53	ug/Kg
75-01-4	Vinyl Chloride	53	U	13	53	ug/Kg
74-83-9	Bromomethane	53	U	26	53	ug/Kg
75-00-3	Chloroethane	53	U	15	53	ug/Kg
75-69-4	Trichlorofluoromethane	53	U	14	53	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	53	U	14	53	ug/Kg
75-35-4	1,1-Dichloroethene	53	U	16	53	ug/Kg
67-64-1	Acetone	260	U	32	260	ug/Kg
75-15-0	Carbon Disulfide	53	U	11	53	ug/Kg
1634-04-4	Methyl tert-butyl Ether	53	U	10	53	ug/Kg
79-20-9	Methyl Acetate	53	U	16	53	ug/Kg
75-09-2	Methylene Chloride	53	U	15	53	ug/Kg
156-60-5	trans-1,2-Dichloroethene	53	U	7.3	53	ug/Kg
75-34-3	1,1-Dichloroethane	99	D	9.9	53	ug/Kg
110-82-7	Cyclohexane	53	U	11	53	ug/Kg
78-93-3	2-Butanone	260	U	33	260	ug/Kg
56-23-5	Carbon Tetrachloride	53	U	10	53	ug/Kg
156-59-2	cis-1,2-Dichloroethene	680	D	9.4	53	ug/Kg
67-66-3	Chloroform	53	U	7.8	53	ug/Kg
71-55-6	1,1,1-Trichloroethane	53	U	9.3	53	ug/Kg
108-87-2	Methylcyclohexane	53	U	11	53	ug/Kg
71-43-2	Benzene	53	U	4	53	ug/Kg
107-06-2	1,2-Dichloroethane	53	U	6.8	53	ug/Kg
79-01-6	Trichloroethene	53	U	9.1	53	ug/Kg
78-87-5	1,2-Dichloropropane	53	U	2.8	53	ug/Kg
75-27-4	Bromodichloromethane	53	U	6.6	53	ug/Kg
108-10-1	4-Methyl-2-Pentanone	260	U	31	260	ug/Kg
108-88-3	Toluene	53	U	6.8	53	ug/Kg
10061-02-6	t-1,3-Dichloropropene	53	U	8.4	53	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	53	U	7.6	53	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB22-1.0DL	SDG No.:	C4133
Lab Sample ID:	C4133-04DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	55
Sample Wt/Vol:	1.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029048.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	53	U	9.5	53	ug/Kg
591-78-6	2-Hexanone	260	U	41	260	ug/Kg
124-48-1	Dibromochloromethane	53	U	5.7	53	ug/Kg
106-93-4	1,2-Dibromoethane	53	U	6.8	53	ug/Kg
127-18-4	Tetrachloroethene	53	U	11	53	ug/Kg
108-90-7	Chlorobenzene	53	U	5.3	53	ug/Kg
100-41-4	Ethyl Benzene	53	U	6.6	53	ug/Kg
179601-23-1	m/p-Xylenes	110	U	7.6	110	ug/Kg
95-47-6	o-Xylene	53	U	7.2	53	ug/Kg
100-42-5	Styrene	53	U	4.8	53	ug/Kg
75-25-2	Bromoform	53	U	7.8	53	ug/Kg
98-82-8	Isopropylbenzene	53	U	5.1	53	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	53	U	4.9	53	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	3.9	53	ug/Kg
106-46-7	1,4-Dichlorobenzene	53	U	4.3	53	ug/Kg
95-50-1	1,2-Dichlorobenzene	53	U	6.6	53	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	53	U	9.2	53	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53	U	7.4	53	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.2		56 - 120	78%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		57 - 135	87%	SPK: 50
2037-26-5	Toluene-d8	44.9		67 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.9		33 - 141	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	299394	4.38			
540-36-3	1,4-Difluorobenzene	432467	5.12			
3114-55-4	Chlorobenzene-d5	341677	9.34			
3855-82-1	1,4-Dichlorobenzene-d4	109197	12.25			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB22-1.0DL	SDG No.:	C4133
Lab Sample ID:	C4133-04DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	55
Sample Wt/Vol:	1.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029048.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB23-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	43
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029027.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	8.7	U	1.1	8.7	ug/Kg
74-87-3	Chloromethane	8.7	U	1.5	8.7	ug/Kg
75-01-4	Vinyl Chloride	8.7	U	2.1	8.7	ug/Kg
74-83-9	Bromomethane	8.7	U	4.3	8.7	ug/Kg
75-00-3	Chloroethane	8.7	U	2.4	8.7	ug/Kg
75-69-4	Trichlorofluoromethane	9.7		2.3	8.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.7	U	2.3	8.7	ug/Kg
75-35-4	1,1-Dichloroethene	8.7	U	2.6	8.7	ug/Kg
67-64-1	Acetone	44	U	5.3	44	ug/Kg
75-15-0	Carbon Disulfide	8.7	U	1.9	8.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	8.7	U	1.7	8.7	ug/Kg
79-20-9	Methyl Acetate	8.7	U	2.6	8.7	ug/Kg
75-09-2	Methylene Chloride	5.1	J	2.5	8.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	8.7	U	1.2	8.7	ug/Kg
75-34-3	1,1-Dichloroethane	26		1.6	8.7	ug/Kg
110-82-7	Cyclohexane	8.7	U	1.8	8.7	ug/Kg
78-93-3	2-Butanone	44	U	5.4	44	ug/Kg
56-23-5	Carbon Tetrachloride	8.7	U	1.7	8.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	230	E	1.6	8.7	ug/Kg
67-66-3	Chloroform	8.7	U	1.3	8.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	8.7	U	1.5	8.7	ug/Kg
108-87-2	Methylcyclohexane	8.7	U	1.9	8.7	ug/Kg
71-43-2	Benzene	8.7	U	0.66	8.7	ug/Kg
107-06-2	1,2-Dichloroethane	8.7	U	1.1	8.7	ug/Kg
79-01-6	Trichloroethene	8.7	U	1.5	8.7	ug/Kg
78-87-5	1,2-Dichloropropane	8.7	U	0.45	8.7	ug/Kg
75-27-4	Bromodichloromethane	8.7	U	1.1	8.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	44	U	5.1	44	ug/Kg
108-88-3	Toluene	8.7	U	1.1	8.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	8.7	U	1.4	8.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	8.7	U	1.3	8.7	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB23-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	43
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029027.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	8.7	U	1.6	8.7	ug/Kg
591-78-6	2-Hexanone	44	U	6.8	44	ug/Kg
124-48-1	Dibromochloromethane	8.7	U	0.94	8.7	ug/Kg
106-93-4	1,2-Dibromoethane	8.7	U	1.1	8.7	ug/Kg
127-18-4	Tetrachloroethene	8.7	U	1.8	8.7	ug/Kg
108-90-7	Chlorobenzene	8.7	U	0.87	8.7	ug/Kg
100-41-4	Ethyl Benzene	8.7	U	1.1	8.7	ug/Kg
179601-23-1	m/p-Xylenes	17	U	1.3	17	ug/Kg
95-47-6	o-Xylene	8.7	U	1.2	8.7	ug/Kg
100-42-5	Styrene	8.7	U	0.79	8.7	ug/Kg
75-25-2	Bromoform	8.7	U	1.3	8.7	ug/Kg
98-82-8	Isopropylbenzene	8.7	U	0.84	8.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	8.7	U	0.8	8.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	8.7	U	0.65	8.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	8.7	U	0.72	8.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	8.7	U	1.1	8.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	8.7	U	1.5	8.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.7	U	1.2	8.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	36.7		67 - 123	73%	SPK: 50
460-00-4	4-Bromofluorobenzene	16.3		33 - 141	33%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178392	4.36			
540-36-3	1,4-Difluorobenzene	285989	5.11			
3114-55-4	Chlorobenzene-d5	165963	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	46702	12.25			
TENTATIVE IDENTIFIED COMPOUNDS						
000079-02-7	Dichloroacetaldehyde	39	J		7.99	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB23-1.0	SDG No.:	C4133
Lab Sample ID:	C4133-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	43
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029027.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB23-1.0DL	SDG No.:	C4133
Lab Sample ID:	C4133-05DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	43
Sample Wt/Vol:	1.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029047.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	41	U	5.4	41	ug/Kg
74-87-3	Chloromethane	41	U	7.1	41	ug/Kg
75-01-4	Vinyl Chloride	41	U	10	41	ug/Kg
74-83-9	Bromomethane	41	U	20	41	ug/Kg
75-00-3	Chloroethane	41	U	12	41	ug/Kg
75-69-4	Trichlorofluoromethane	41	U	11	41	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	41	U	11	41	ug/Kg
75-35-4	1,1-Dichloroethene	41	U	12	41	ug/Kg
67-64-1	Acetone	210	U	25	210	ug/Kg
75-15-0	Carbon Disulfide	41	U	8.8	41	ug/Kg
1634-04-4	Methyl tert-butyl Ether	41	U	7.9	41	ug/Kg
79-20-9	Methyl Acetate	41	U	12	41	ug/Kg
75-09-2	Methylene Chloride	41	U	12	41	ug/Kg
156-60-5	trans-1,2-Dichloroethene	41	U	5.7	41	ug/Kg
75-34-3	1,1-Dichloroethane	17	JD	7.8	41	ug/Kg
110-82-7	Cyclohexane	41	U	8.4	41	ug/Kg
78-93-3	2-Butanone	210	U	26	210	ug/Kg
56-23-5	Carbon Tetrachloride	41	U	8.2	41	ug/Kg
156-59-2	cis-1,2-Dichloroethene	180	D	7.4	41	ug/Kg
67-66-3	Chloroform	41	U	6.1	41	ug/Kg
71-55-6	1,1,1-Trichloroethane	41	U	7.3	41	ug/Kg
108-87-2	Methylcyclohexane	41	U	8.8	41	ug/Kg
71-43-2	Benzene	41	U	3.1	41	ug/Kg
107-06-2	1,2-Dichloroethane	41	U	5.3	41	ug/Kg
79-01-6	Trichloroethene	41	U	7.1	41	ug/Kg
78-87-5	1,2-Dichloropropane	41	U	2.2	41	ug/Kg
75-27-4	Bromodichloromethane	41	U	5.1	41	ug/Kg
108-10-1	4-Methyl-2-Pentanone	210	U	24	210	ug/Kg
108-88-3	Toluene	41	U	5.3	41	ug/Kg
10061-02-6	t-1,3-Dichloropropene	41	U	6.5	41	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	41	U	6	41	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB23-1.0DL	SDG No.:	C4133
Lab Sample ID:	C4133-05DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	43
Sample Wt/Vol:	1.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029047.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	41	U	7.4	41	ug/Kg
591-78-6	2-Hexanone	210	U	32	210	ug/Kg
124-48-1	Dibromochloromethane	41	U	4.5	41	ug/Kg
106-93-4	1,2-Dibromoethane	41	U	5.3	41	ug/Kg
127-18-4	Tetrachloroethene	41	U	8.4	41	ug/Kg
108-90-7	Chlorobenzene	41	U	4.1	41	ug/Kg
100-41-4	Ethyl Benzene	41	U	5.1	41	ug/Kg
179601-23-1	m/p-Xylenes	83	U	6	83	ug/Kg
95-47-6	o-Xylene	41	U	5.6	41	ug/Kg
100-42-5	Styrene	41	U	3.7	41	ug/Kg
75-25-2	Bromoform	41	U	6.1	41	ug/Kg
98-82-8	Isopropylbenzene	41	U	4	41	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	41	U	3.8	41	ug/Kg
541-73-1	1,3-Dichlorobenzene	41	U	3.1	41	ug/Kg
106-46-7	1,4-Dichlorobenzene	41	U	3.4	41	ug/Kg
95-50-1	1,2-Dichlorobenzene	41	U	5.1	41	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	41	U	7.2	41	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	41	U	5.8	41	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.9		56 - 120	84%	SPK: 50
1868-53-7	Dibromofluoromethane	43.8		57 - 135	88%	SPK: 50
2037-26-5	Toluene-d8	42.4		67 - 123	85%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.6		33 - 141	55%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	285784	4.39			
540-36-3	1,4-Difluorobenzene	425159	5.13			
3114-55-4	Chlorobenzene-d5	327648	9.34			
3855-82-1	1,4-Dichlorobenzene-d4	107341	12.25			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	SB23-1.0DL	SDG No.:	C4133
Lab Sample ID:	C4133-05DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	43
Sample Wt/Vol:	1.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029047.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	TRIPBLANK	SDG No.:	C4133
Lab Sample ID:	C4133-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG038299.D	1		10/21/11	VG102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.55	5	ug/L
74-87-3	Chloromethane	5	U	0.54	5	ug/L
75-01-4	Vinyl Chloride	5	U	0.34	5	ug/L
74-83-9	Bromomethane	5	U	0.62	5	ug/L
75-00-3	Chloroethane	5	U	0.66	5	ug/L
75-69-4	Trichlorofluoromethane	5	U	0.35	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	0.45	5	ug/L
75-35-4	1,1-Dichloroethene	5	U	0.47	5	ug/L
67-64-1	Acetone	25	U	2.8	25	ug/L
75-15-0	Carbon Disulfide	5	U	0.54	5	ug/L
1634-04-4	Methyl tert-butyl Ether	5	U	0.35	5	ug/L
79-20-9	Methyl Acetate	5	U	0.83	5	ug/L
75-09-2	Methylene Chloride	5	U	0.41	5	ug/L
156-60-5	trans-1,2-Dichloroethene	5	U	0.41	5	ug/L
75-34-3	1,1-Dichloroethane	5	U	0.36	5	ug/L
110-82-7	Cyclohexane	5	U	0.55	5	ug/L
78-93-3	2-Butanone	25	U	1.3	25	ug/L
56-23-5	Carbon Tetrachloride	5	U	0.62	5	ug/L
156-59-2	cis-1,2-Dichloroethene	5	U	0.35	5	ug/L
67-66-3	Chloroform	5	U	0.34	5	ug/L
71-55-6	1,1,1-Trichloroethane	5	U	0.4	5	ug/L
108-87-2	Methylcyclohexane	5	U	0.68	5	ug/L
71-43-2	Benzene	5	U	0.32	5	ug/L
107-06-2	1,2-Dichloroethane	5	U	0.48	5	ug/L
79-01-6	Trichloroethene	5	U	0.28	5	ug/L
78-87-5	1,2-Dichloropropane	5	U	0.46	5	ug/L
75-27-4	Bromodichloromethane	5	U	0.36	5	ug/L
108-10-1	4-Methyl-2-Pentanone	25	U	2.1	25	ug/L
108-88-3	Toluene	5	U	0.37	5	ug/L
10061-02-6	t-1,3-Dichloropropene	5	U	0.29	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	5	U	0.31	5	ug/L

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	TRIPBLANK	SDG No.:	C4133
Lab Sample ID:	C4133-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG038299.D	1		10/21/11	VG102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.38	5	ug/L
591-78-6	2-Hexanone	25	U	1.9	25	ug/L
124-48-1	Dibromochloromethane	5	U	0.52	5	ug/L
106-93-4	1,2-Dibromoethane	5	U	0.41	5	ug/L
127-18-4	Tetrachloroethene	5	U	0.27	5	ug/L
108-90-7	Chlorobenzene	5	U	0.49	5	ug/L
100-41-4	Ethyl Benzene	5	U	0.53	5	ug/L
179601-23-1	m/p-Xylenes	10	U	0.95	10	ug/L
95-47-6	o-Xylene	5	U	0.43	5	ug/L
100-42-5	Styrene	5	U	0.36	5	ug/L
75-25-2	Bromoform	5	U	0.47	5	ug/L
98-82-8	Isopropylbenzene	5	U	0.45	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.31	5	ug/L
541-73-1	1,3-Dichlorobenzene	5	U	0.43	5	ug/L
106-46-7	1,4-Dichlorobenzene	5	U	0.32	5	ug/L
95-50-1	1,2-Dichlorobenzene	5	U	0.45	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.46	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	5	U	0.62	5	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.3		61 - 141	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		69 - 133	99%	SPK: 50
2037-26-5	Toluene-d8	41.3		65 - 126	83%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		58 - 135	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	406536	3.94			
540-36-3	1,4-Difluorobenzene	782991	4.76			
3114-55-4	Chlorobenzene-d5	704400	9.7			
3855-82-1	1,4-Dichlorobenzene-d4	312462	13.42			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	10/12/11
Project:	Chemical Sales site	Date Received:	10/13/11
Client Sample ID:	TRIPBLANK	SDG No.:	C4133
Lab Sample ID:	C4133-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG038299.D	1		10/21/11	VG102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Hit Summary Sheet

SW-846

SDG No.: C4133

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB20-1.5							
C4133-01	SB20-1.5	SOIL	1,1,1-Trichloroethane	16.00		5.3	0.94	ug/Kg
C4133-01	SB20-1.5	SOIL	Tetrachloroethene	20.00		5.3	1.1	ug/Kg
Total Voc :					36.00			
Total Concentration:					36.00			
Client ID:	SB20-4.0							
C4133-02	SB20-4.0	SOIL	Acetone	46.00		31	3.8	ug/Kg
C4133-02	SB20-4.0	SOIL	Methylene Chloride	2.90	J	6.2	1.8	ug/Kg
C4133-02	SB20-4.0	SOIL	2-Butanone	5.60	J	31	3.9	ug/Kg
C4133-02	SB20-4.0	SOIL	Toluene	3.40	J	6.2	0.80	ug/Kg
C4133-02	SB20-4.0	SOIL	Ethyl Benzene	6.30		6.2	0.77	ug/Kg
C4133-02	SB20-4.0	SOIL	m/p-Xylenes	5.10	J	12	0.90	ug/Kg
C4133-02	SB20-4.0	SOIL	o-Xylene	4.70	J	6.2	0.85	ug/Kg
Total Voc :					74.00			
C4133-02	SB20-4.0	SOIL	1,3,5-Trimethylbenzene	* 3.60	J	6.2	0.56	ug/Kg
C4133-02	SB20-4.0	SOIL	1,2,4-Trimethylbenzene	* 17.00	J	6.2	0.62	ug/Kg
Total Tics :					20.60			
Total Concentration:					94.60			
Client ID:	SB21-1.0							
C4133-03	SB21-1.0	SOIL	cis-1,2-Dichloroethene	4.10	J	10	1.8	ug/Kg
Total Voc :					4.10			
Total Concentration:					4.10			
Client ID:	SB22-1.0							
C4133-04	SB22-1.0	SOIL	Trichlorofluoromethane	8.60	J	11	2.9	ug/Kg
C4133-04	SB22-1.0	SOIL	1,1-Dichloroethene	5.50	J	11	3.2	ug/Kg
C4133-04	SB22-1.0	SOIL	Methylene Chloride	5.30	J	11	3.1	ug/Kg
C4133-04	SB22-1.0	SOIL	trans-1,2-Dichloroethene	6.60	J	11	1.5	ug/Kg
C4133-04	SB22-1.0	SOIL	1,1-Dichloroethane	140.00		11	2.1	ug/Kg
C4133-04	SB22-1.0	SOIL	cis-1,2-Dichloroethene	830.00	E	11	1.9	ug/Kg
C4133-04	SB22-1.0	SOIL	1,1,1-Trichloroethane	50.00		11	1.9	ug/Kg
Total Voc :					1,046.00			
C4133-04	SB22-1.0	SOIL	Dichloroacetaldehyde	* 42.00	J	0	0	ug/Kg
Total Tics :					42.00			
Total Concentration:					1,088.00			
Client ID:	SB22-1.0DL							
C4133-04DL	SB22-1.0DL	SOIL	1,1-Dichloroethane	99.00	D	53	9.9	ug/Kg
C4133-04DL	SB22-1.0DL	SOIL	cis-1,2-Dichloroethene	680.00	D	53	9.4	ug/Kg
Total Voc :					779.00			
Total Concentration:					779.00			
Client ID:	SB23-1.0							
C4133-05	SB23-1.0	SOIL	Trichlorofluoromethane	9.70		8.7	2.3	ug/Kg



Hit Summary Sheet
SW-846

SDG No.: C4133

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration		C	RDL	MDL	Units
C4133-05	SB23-1.0	SOIL	Methylene Chloride	5.10		J	8.7	2.5	ug/Kg
C4133-05	SB23-1.0	SOIL	1,1-Dichloroethane	26.00			8.7	1.6	ug/Kg
C4133-05	SB23-1.0	SOIL	cis-1,2-Dichloroethene	230.00		E	8.7	1.6	ug/Kg
Total Voc :						270.80			
C4133-05	SB23-1.0	SOIL	Dichloroacetaldehyde	*	39.00	J	0	0	ug/Kg
Total Tics :						39.00			
Total Concentration:						309.80			
Client ID:	SB23-1.0DL								
C4133-05DL	SB23-1.0DL	SOIL	1,1-Dichloroethane	17.00		JD	41	7.8	ug/Kg
C4133-05DL	SB23-1.0DL	SOIL	cis-1,2-Dichloroethene	180.00		D	41	7.4	ug/Kg
Total Voc :						197.00			
Total Concentration:						197.00			



SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4133 SAS No.: C4133 SDG NO.: C4133

Level: (low/med) LOW Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBF1018S1	VBF1018S1	91	96	98	99	0
02	BSF1018S1	BSF1018S1	100	102	110	113	0
03	C4133-01	SB20-1.5	83	87	93	87	0
04	C4133-02	SB20-4.0	78	88	95	89	0
05	C4133-05	SB23-1.0	99	100	73	33	0
06	C4133-04	SB22-1.0	100	101	73	30 *	1
07	C4133-01MS	SB20-1.5MS	109	100	103	101	0
08	C4133-01MSD	SB20-1.5MSD	118	107	113	109	0
09	VBF1019S1	VBF1019S1	95	94	98	96	0
10	BSF1019S1	BSF1019S1	107	107	110	111	0
11	C4133-03	SB21-1.0	90	90	91	78	0
12	C4133-05DL	SB23-1.0DL	84	88	85	55	0
13	C4133-04DL	SB22-1.0DL	78	87	90	58	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (56-120)

SMC2 (DBFM) =Dibromofluoromethane (57-135)

SMC3 (TOL) =Toluene-d8 (67-123)

SMC4 (BFB) =4-Bromofluorobenzene (33-141)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM CASE No.: C4133 SAS No.: C4133 SDG NO.: C4133

Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBG1020W2	VBG1020W2	111	105	92	83	0
02	BSG1020W1	BSG1020W1	116	104	92	91	0
03	BSG1020W2	BSG1020W2	108	102	93	90	0
04	C4133-06	TRIPBLANK	111	99	83	81	0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (70-120)

SMC2 (DBFM) =Dibromofluoromethane (85-115)

SMC3 (TOL) =Toluene-d8 (85-120)

SMC4 (BFB) =4-Bromofluorobenzene (75-120)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133Matrix Spike - EPA Sample No : C4133-01 Analytical Method: EPA SW846 8260 Datafile : VF029034.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	54	0	58	107	(44-157)
Chloromethane	54	0	50	93	(51-144)
Vinyl Chloride	54	0	53	98	(56-145)
Bromomethane	54	0	52	96	(47-151)
Chloroethane	54	0	48	89	(55-158)
Trichlorofluoromethane	54	0	64	119	(63-145)
1,1,2-Trichlorotrifluoroethane	54	0	55	102	(63-141)
1,1-Dichloroethene	54	0	58	107	(64-140)
Acetone	272	0	260	96	(41-145)
Carbon Disulfide	54	0	51	94	(56-139)
Methyl tert-butyl Ether	54	0	55	102	(64-132)
Methyl Acetate	54	0	80	148	(21-221)
Methylene Chloride	54	0	56	104	(59-133)
trans-1,2-Dichloroethene	54	0	54	100	(64-135)
1,1-Dichloroethane	54	0	54	100	(66-135)
Cyclohexane	54	0	43	80	(59-140)
2-Butanone	272	0	210	77	(54-137)
Carbon Tetrachloride	54	0	53	98	(66-137)
cis-1,2-Dichloroethene	54	0	54	100	(65-132)
Chloroform	54	0	54	100	(68-132)
1,1,1-Trichloroethane	54	16	66	93	(69-138)
Methylcyclohexane	54	0	48	89	(54-134)
Benzene	54	0	50	93	(68-130)
1,2-Dichloroethane	54	0	53	98	(68-130)
Trichloroethene	54	0	54	100	(54-149)
1,2-Dichloropropane	54	0	50	93	(65-136)
Bromodichloromethane	54	0	55	102	(68-132)
4-Methyl-2-Pentanone	272	0	220	81	(59-137)
Toluene	54	0	53	98	(65-133)
t-1,3-Dichloropropene	54	0	51	94	(64-129)
cis-1,3-Dichloropropene	54	0	51	94	(65-129)
1,1,2-Trichloroethane	54	0	53	98	(66-131)
2-Hexanone	272	0	260	96	(58-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133

Matrix Spike - EPA Sample No : C4133-01 Analytical Method: EPA SW846 8260 Datafile : VF029034.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	54	0	54	100	(67-131)
1,2-Dibromoethane	54	0	53	98	(65-130)
Tetrachloroethene	54	20	62	78	(37-161)
Chlorobenzene	54	0	52	96	(66-128)
Ethyl Benzene	54	0	52	96	(65-133)
m/p-Xylenes	109	0	100	92	(62-134)
o-Xylene	54	0	53	98	(65-133)
Styrene	54	0	51	94	(66-127)
Bromoform	54	0	51	94	(68-131)
Isopropylbenzene	54	0	53	98	(64-139)
1,1,2,2-Tetrachloroethane	54	0	55	102	(48-150)
1,3-Dichlorobenzene	54	0	54	100	(60-129)
1,4-Dichlorobenzene	54	0	53	98	(59-128)
1,2-Dichlorobenzene	54	0	54	100	(63-127)
1,2-Dibromo-3-Chloropropane	54	0	45	83	(65-137)
1,2,4-Trichlorobenzene	54	0	46	85	(38-131)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133Matrix Spike - EPA Sample No : C4133-01 Analytical Method: EPA SW846 8260 Datafile : VF029035.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	54	59	109	2	20	(44-157)
Chloromethane	54	58	107	14	20	(51-144)
Vinyl Chloride	54	60	111	12	20	(56-145)
Bromomethane	54	66	122	24*	20	(47-151)
Chloroethane	54	66	122	31*	20	(55-158)
Trichlorofluoromethane	54	70	130	9	20	(63-145)
1,1,2-Trichlorotrifluoroethane	54	61	113	10	20	(63-141)
1,1-Dichloroethene	54	61	113	5	20	(64-140)
Acetone	272	300	110	14	20	(41-145)
Carbon Disulfide	54	53	98	4	20	(56-139)
Methyl tert-butyl Ether	54	61	113	10	20	(64-132)
Methyl Acetate	54	94	174	16	20	(21-221)
Methylene Chloride	54	61	113	8	20	(59-133)
trans-1,2-Dichloroethene	54	58	107	7	20	(64-135)
1,1-Dichloroethane	54	59	109	9	20	(66-135)
Cyclohexane	54	49	91	13	20	(59-140)
2-Butanone	272	230	85	10	20	(54-137)
Carbon Tetrachloride	54	59	109	11	20	(66-137)
cis-1,2-Dichloroethene	54	58	107	7	20	(65-132)
Chloroform	54	59	109	9	20	(68-132)
1,1,1-Trichloroethane	54	70	100	7	20	(69-138)
Methylcyclohexane	54	50	93	4	20	(54-134)
Benzene	54	53	98	5	20	(68-130)
1,2-Dichloroethane	54	56	104	6	20	(68-130)
Trichloroethene	54	56	104	4	20	(54-149)
1,2-Dichloropropane	54	53	98	5	20	(65-136)
Bromodichloromethane	54	58	107	5	20	(68-132)
4-Methyl-2-Pentanone	272	240	88	8	20	(59-137)
Toluene	54	56	104	6	20	(65-133)
t-1,3-Dichloropropene	54	55	102	8	20	(64-129)
cis-1,3-Dichloropropene	54	53	98	4	20	(65-129)
1,1,2-Trichloroethane	54	57	106	8	20	(66-131)
2-Hexanone	272	280	103	7	20	(58-133)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133

Matrix Spike - EPA Sample No : C4133-01 Analytical Method: EPA SW846 8260 Datafile : VF029035.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS	
			%	%	RPD	REC
Dibromochloromethane	54	58	107	7	20	(67-131)
1,2-Dibromoethane	54	58	107	9	20	(65-130)
Tetrachloroethene	54	65	83	6	20	(37-161)
Chlorobenzene	54	54	100	4	20	(66-128)
Ethyl Benzene	54	56	104	8	20	(65-133)
m/p-Xylenes	109	110	101	9	20	(62-134)
o-Xylene	54	56	104	6	20	(65-133)
Styrene	54	55	102	8	20	(66-127)
Bromoform	54	55	102	8	20	(68-131)
Isopropylbenzene	54	57	106	8	20	(64-139)
1,1,2,2-Tetrachloroethane	54	58	107	5	20	(48-150)
1,3-Dichlorobenzene	54	57	106	6	20	(60-129)
1,4-Dichlorobenzene	54	57	106	8	20	(59-128)
1,2-Dichlorobenzene	54	59	109	9	20	(63-127)
1,2-Dibromo-3-Chloropropane	54	48	89	7	20	(65-137)
1,2,4-Trichlorobenzene	54	49	91	7	20	(38-131)

RPD : 2 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133

Matrix Spike - EPA Sample No : BSF1018S1 Analytical Method: EPA SW846 8260 Datafile : VF029017.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		24	120	(50-142)
Chloromethane	20		23	115	(65-131)
Vinyl Chloride	20		25	125	(67-130)
Bromomethane	20		26	130	(64-136)
Chloroethane	20		20	100	(66-146)
Trichlorofluoromethane	20		26	130	(72-134)
1,1,2-Trichlorotrifluoroethane	20		24	120	(73-133)
1,1-Dichloroethene	20		23	115	(74-130)
Acetone	100		76	76	(57-135)
Carbon Disulfide	20		21	105	(71-130)
Methyl tert-butyl Ether	20		18	90	(76-123)
Methyl Acetate	20		16	80	(62-146)
Methylene Chloride	20		21	105	(73-134)
trans-1,2-Dichloroethene	20		19	95	(76-125)
1,1-Dichloroethane	20		20	100	(78-124)
Cyclohexane	20		18	90	(72-130)
2-Butanone	100		77	77	(68-132)
Carbon Tetrachloride	20		21	105	(76-127)
cis-1,2-Dichloroethene	20		19	95	(78-122)
Chloroform	20		20	100	(79-122)
1,1,1-Trichloroethane	20		22	110	(76-126)
Methylcyclohexane	20		20	100	(75-127)
Benzene	20		20	100	(79-124)
1,2-Dichloroethane	20		19	95	(78-124)
Trichloroethene	20		21	105	(78-124)
1,2-Dichloropropane	20		20	100	(76-124)
Bromodichloromethane	20		21	105	(78-122)
4-Methyl-2-Pentanone	100		82	82	(73-135)
Toluene	20		21	105	(78-124)
t-1,3-Dichloropropene	20		20	100	(77-123)
cis-1,3-Dichloropropene	20		20	100	(79-120)
1,1,2-Trichloroethane	20		19	95	(78-123)
2-Hexanone	100		83	83	(71-134)
Dibromochloromethane	20		20	100	(77-121)
1,2-Dibromoethane	20		20	100	(78-123)
Tetrachloroethene	20		20	100	(67-134)
Chlorobenzene	20		21	105	(80-121)
Ethyl Benzene	20		21	105	(80-123)
m/p-Xylenes	40		41	103	(79-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133Matrix Spike - EPA Sample No : BSF1018S1 Analytical Method: EPA SW846 8260 Datafile : VF029017.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
o-Xylene	20		20	100	(80-122)
Styrene	20		20	100	(81-121)
Bromoform	20		18	90	(73-124)
Isopropylbenzene	20		19	95	(79-123)
1,1,2,2-Tetrachloroethane	20		18	90	(79-124)
1,3-Dichlorobenzene	20		21	105	(82-120)
1,4-Dichlorobenzene	20		21	105	(81-120)
1,2-Dichlorobenzene	20		21	105	(82-118)
1,2-Dibromo-3-Chloropropane	20		14	70*	(72-127)
1,2,4-Trichlorobenzene	20		25	125	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 1 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133

Matrix Spike - EPA Sample No : BSF1019S1 Analytical Method: EPA SW846 8260 Datafile : VF029041.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		19	95	(50-142)
Chloromethane	20		18	90	(65-131)
Vinyl Chloride	20		19	95	(67-130)
Bromomethane	20		21	105	(64-136)
Chloroethane	20		21	105	(66-146)
Trichlorofluoromethane	20		24	120	(72-134)
1,1,2-Trichlorotrifluoroethane	20		21	105	(73-133)
1,1-Dichloroethene	20		21	105	(74-130)
Acetone	100		93	93	(57-135)
Carbon Disulfide	20		20	100	(71-130)
Methyl tert-butyl Ether	20		21	105	(76-123)
Methyl Acetate	20		18	90	(62-146)
Methylene Chloride	20		22	110	(73-134)
trans-1,2-Dichloroethene	20		21	105	(76-125)
1,1-Dichloroethane	20		20	100	(78-124)
Cyclohexane	20		17	85	(72-130)
2-Butanone	100		87	87	(68-132)
Carbon Tetrachloride	20		22	110	(76-127)
cis-1,2-Dichloroethene	20		20	100	(78-122)
Chloroform	20		21	105	(79-122)
1,1,1-Trichloroethane	20		22	110	(76-126)
Methylcyclohexane	20		20	100	(75-127)
Benzene	20		21	105	(79-124)
1,2-Dichloroethane	20		22	110	(78-124)
Trichloroethene	20		23	115	(78-124)
1,2-Dichloropropane	20		20	100	(76-124)
Bromodichloromethane	20		22	110	(78-122)
4-Methyl-2-Pentanone	100		97	97	(73-135)
Toluene	20		21	105	(78-124)
t-1,3-Dichloropropene	20		22	110	(77-123)
cis-1,3-Dichloropropene	20		21	105	(79-120)
1,1,2-Trichloroethane	20		22	110	(78-123)
2-Hexanone	100		97	97	(71-134)
Dibromochloromethane	20		22	110	(77-121)
1,2-Dibromoethane	20		22	110	(78-123)
Tetrachloroethene	20		22	110	(67-134)
Chlorobenzene	20		22	110	(80-121)
Ethyl Benzene	20		22	110	(80-123)
m/p-Xylenes	40		43	108	(79-126)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133Matrix Spike - EPA Sample No : BSF1019S1 Analytical Method: EPA SW846 8260 Datafile : VF029041.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
o-Xylene	20		22	110	(80-122)
Styrene	20		21	105	(81-121)
Bromoform	20		22	110	(73-124)
Isopropylbenzene	20		20	100	(79-123)
1,1,2,2-Tetrachloroethane	20		22	110	(79-124)
1,3-Dichlorobenzene	20		22	110	(82-120)
1,4-Dichlorobenzene	20		22	110	(81-120)
1,2-Dichlorobenzene	20		23	115	(82-118)
1,2-Dibromo-3-Chloropropane	20		18	90	(72-127)
1,2,4-Trichlorobenzene	20		25	125	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133

Matrix Spike - EPA Sample No : BSG1020W1 Analytical Method: EPA SW846 8260 Datafile : VG038282.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		26	130*	(35-124)
Chloromethane	20		23	115	(40-125)
Vinyl Chloride	20		23	115	(50-144)
Bromomethane	20		23	115	(44-145)
Chloroethane	20		24	120	(60-135)
Trichlorofluoromethane	20		26	130	(60-137)
1,1,2-Trichlorotrifluoroethane	20		24	120	(52-142)
1,1-Dichloroethene	20		23	115	(70-130)
Acetone	100		130	130	(50-140)
Carbon Disulfide	20		23	115	(36-155)
Methyl tert-butyl Ether	20		25	125	(65-125)
Methyl Acetate	20		23	115	(51-158)
Methylene Chloride	20		26	130	(61-138)
trans-1,2-Dichloroethene	20		23	115	(60-137)
1,1-Dichloroethane	20		24	120	(70-135)
Cyclohexane	20		25	125	(56-141)
2-Butanone	100		110	110	(56-150)
Carbon Tetrachloride	20		26	130	(65-138)
cis-1,2-Dichloroethene	20		24	120	(70-125)
Chloroform	20		25	125	(67-135)
1,1,1-Trichloroethane	20		25	125	(65-130)
Methylcyclohexane	20		23	115	(56-137)
Benzene	20		23	115	(80-120)
1,2-Dichloroethane	20		25	125	(70-130)
Trichloroethene	20		22	110	(70-125)
1,2-Dichloropropane	20		22	110	(75-125)
Bromodichloromethane	20		23	115	(75-120)
4-Methyl-2-Pentanone	100		110	110	(63-135)
Toluene	20		20	100	(75-120)
t-1,3-Dichloropropene	20		20	100	(66-135)
cis-1,3-Dichloropropene	20		21	105	(70-130)
1,1,2-Trichloroethane	20		21	105	(75-125)
2-Hexanone	100		110	110	(56-130)
Dibromochloromethane	20		21	105	(64-135)
1,2-Dibromoethane	20		21	105	(80-120)
Tetrachloroethene	20		21	105	(45-178)
Chlorobenzene	20		22	110	(80-120)
Ethyl Benzene	20		24	120	(75-125)
m/p-Xylenes	40		45	113	(75-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

**WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133Matrix Spike - EPA Sample No : BSG1020W1 Analytical Method: EPA SW846 8260 Datafile : VG038282.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
o-Xylene	20		22	110	(80-120)
Styrene	20		22	110	(65-135)
Bromoform	20		17	85	(70-130)
Isopropylbenzene	20		23	115	(75-125)
1,1,2,2-Tetrachloroethane	20		22	110	(65-130)
1,3-Dichlorobenzene	20		22	110	(75-125)
1,4-Dichlorobenzene	20		22	110	(75-125)
1,2-Dichlorobenzene	20		23	115	(70-120)
1,2-Dibromo-3-Chloropropane	20		18	90	(54-130)
1,2,4-Trichlorobenzene	20		21	105	(65-133)

RPD : 0 Out of 49 outside limits

Spike Recovery : 1 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133

Matrix Spike - EPA Sample No : BSG1020W2 Analytical Method: EPA SW846 8260 Datafile : VG038283.D

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
Dichlorodifluoromethane	20	26	130*	0	20	(35-124)
Chloromethane	20	26	130*	12	20	(40-125)
Vinyl Chloride	20	24	120	4	20	(50-144)
Bromomethane	20	25	125	8	20	(44-145)
Chloroethane	20	24	120	0	20	(60-135)
Trichlorofluoromethane	20	27	135	4	20	(60-137)
1,1,2-Trichlorotrifluoroethane	20	25	125	4	20	(52-142)
1,1-Dichloroethene	20	24	120	4	20	(70-130)
Acetone	100	130	130	0	20	(50-140)
Carbon Disulfide	20	25	125	8	20	(36-155)
Methyl tert-butyl Ether	20	25	125	0	20	(65-125)
Methyl Acetate	20	24	120	4	20	(51-158)
Methylene Chloride	20	26	130	0	20	(61-138)
trans-1,2-Dichloroethene	20	24	120	4	20	(60-137)
1,1-Dichloroethane	20	24	120	0	20	(70-135)
Cyclohexane	20	25	125	0	20	(56-141)
2-Butanone	100	110	110	0	20	(56-150)
Carbon Tetrachloride	20	27	135	4	20	(65-138)
cis-1,2-Dichloroethene	20	23	115	4	20	(70-125)
Chloroform	20	24	120	4	20	(67-135)
1,1,1-Trichloroethane	20	25	125	0	20	(65-130)
Methylcyclohexane	20	23	115	0	20	(56-137)
Benzene	20	24	120	4	20	(80-120)
1,2-Dichloroethane	20	25	125	0	20	(70-130)
Trichloroethene	20	23	115	4	20	(70-125)
1,2-Dichloropropane	20	23	115	4	20	(75-125)
Bromodichloromethane	20	24	120	4	20	(75-120)
4-Methyl-2-Pentanone	100	110	110	0	20	(63-135)
Toluene	20	21	105	5	20	(75-120)
t-1,3-Dichloropropene	20	21	105	5	20	(66-135)
cis-1,3-Dichloropropene	20	21	105	0	20	(70-130)
1,1,2-Trichloroethane	20	20	100	5	20	(75-125)
2-Hexanone	100	160	160*	37*	20	(56-130)
Dibromochloromethane	20	21	105	0	20	(64-135)
1,2-Dibromoethane	20	20	100	5	20	(80-120)
Tetrachloroethene	20	21	105	0	20	(45-178)
Chlorobenzene	20	22	110	0	20	(80-120)
Ethyl Benzene	20	24	120	0	20	(75-125)
m/p-Xylenes	40	46	115	2	20	(75-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

**WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C4133 SAS No : C4133 SDG No: C4133Matrix Spike - EPA Sample No : BSG1020W2 Analytical Method: EPA SW846 8260 Datafile : VG038283.D

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD		QC LIMITS	
			% REC #	% RPD #	RPD	REC
o-Xylene	20	22	110	0	20	(80-120)
Styrene	20	23	115	4	20	(65-135)
Bromoform	20	18	90	6	20	(70-130)
Isopropylbenzene	20	23	115	0	20	(75-125)
1,1,2,2-Tetrachloroethane	20	22	110	0	20	(65-130)
1,3-Dichlorobenzene	20	22	110	0	20	(75-125)
1,4-Dichlorobenzene	20	22	110	0	20	(75-125)
1,2-Dichlorobenzene	20	23	115	0	20	(70-120)
1,2-Dibromo-3-Chloropropane	20	20	100	11	20	(54-130)
1,2,4-Trichlorobenzene	20	21	105	0	20	(65-133)

RPD : 1 Out of 49 outside limits

Spike Recovery : 3 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1018S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4133SAS No.: C4133 SDG NO.: C4133Lab File ID: VF029016.DLab Sample ID: VBF1018S1Date Analyzed: 10/18/2011Time Analyzed: 11:30GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1018S1	BSF1018S1	VF029017.D	10/18/2011
SB20-1.5	C4133-01	VF029023.D	10/18/2011
SB20-4.0	C4133-02	VF029024.D	10/18/2011
SB23-1.0	C4133-05	VF029027.D	10/18/2011
SB22-1.0	C4133-04	VF029032.D	10/18/2011
SB20-1.5MS	C4133-01MS	VF029034.D	10/18/2011
SB20-1.5MSD	C4133-01MSD	VF029035.D	10/18/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBF1018S1	SDG No.:	C4133
Lab Sample ID:	VBF1018S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029016.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBF1018S1	SDG No.:	C4133
Lab Sample ID:	VBF1018S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029016.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.3		56 - 120	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	49.1		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		33 - 141	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	358944	4.37			
540-36-3	1,4-Difluorobenzene	512191	5.11			
3114-55-4	Chlorobenzene-d5	477191	9.33			
3855-82-1	1,4-Dichlorobenzene-d4	294589	12.24			

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBF1018S1		SDG No.:	C4133
Lab Sample ID:	VBF1018S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029016.D	1		10/18/11	VF101811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF1019S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4133SAS No.: C4133 SDG NO.: C4133Lab File ID: VF029040.DLab Sample ID: VBF1019S1Date Analyzed: 10/19/2011Time Analyzed: 13:06GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) YInstrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1019S1	BSF1019S1	VF029041.D	10/19/2011
SB21-1.0	C4133-03	VF029046.D	10/19/2011
SB23-1.0DL	C4133-05DL	VF029047.D	10/19/2011
SB22-1.0DL	C4133-04DL	VF029048.D	10/19/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBF1019S1	SDG No.:	C4133
Lab Sample ID:	VBF1019S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029040.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBF1019S1	SDG No.:	C4133
Lab Sample ID:	VBF1019S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029040.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		56 - 120	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47		57 - 135	94%	SPK: 50
2037-26-5	Toluene-d8	49.2		67 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	319183	4.38			
540-36-3	1,4-Difluorobenzene	452599	5.13			
3114-55-4	Chlorobenzene-d5	418801	9.34			
3855-82-1	1,4-Dichlorobenzene-d4	265088	12.25			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBF1019S1	SDG No.:	C4133
Lab Sample ID:	VBF1019S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF029040.D	1		10/19/11	VF101911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBG1020W2

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C4133SAS No.: C4133 SDG NO.: C4133Lab File ID: VG038281.DLab Sample ID: VBG1020W2Date Analyzed: 10/20/2011Time Analyzed: 19:30GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAG

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSG1020W1	BSG1020W1	VG038282.D	10/20/2011
BSG1020W2	BSG1020W2	VG038283.D	10/20/2011
TRIPBLANK	C4133-06	VG038299.D	10/21/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBG1020W2	SDG No.:	C4133
Lab Sample ID:	VBG1020W2	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG038281.D	1		10/20/11	VG102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBG1020W2		SDG No.:	C4133
Lab Sample ID:	VBG1020W2		Matrix:	WATER
Analytical Method:	SW8260B		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG038281.D	1		10/20/11	VG102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 - 120	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		85 - 115	105%	SPK: 50
2037-26-5	Toluene-d8	45.9		85 - 120	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.3		75 - 120	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	529687	3.94			
540-36-3	1,4-Difluorobenzene	937574	4.76			
3114-55-4	Chlorobenzene-d5	823668	9.71			
3855-82-1	1,4-Dichlorobenzene-d4	351002	13.42			

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBG1020W2		SDG No.:	C4133
Lab Sample ID:	VBG1020W2		Matrix:	WATER
Analytical Method:	SW8260B		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS	ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VG038281.D	1		10/20/11	VG102011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4133 SAS No.: C4133 SDG NO.: C4133
Lab File ID: VF029015.D Date Analyzed: 10/18/2011
Instrument ID: MSVOA_F Time Analyzed: 10:39
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	310336	4.36	455763	5.11	434550	9.33
UPPER LIMIT	620672	4.86	911526	5.61	869100	9.83
LOWER LIMIT	155168	3.86	227881.5	4.61	217275	8.83
EPA SAMPLE NO.						
BSF1018S1	289048	4.36	424305	5.11	408828	9.32
SB20-1.5	273909	4.36	399102	5.11	372285	9.33
SB20-1.5MS	269590	4.37	409860	5.12	398585	9.32
SB20-1.5MSD	259327	4.37	401891	5.11	391058	9.33
SB20-4.0	300974	4.37	434267	5.11	416485	9.33
SB22-1.0	189395	4.37	299876	5.12	172260 *	9.33
SB23-1.0	178392	4.36	285989	5.11	165963 *	9.33
VBF1018S1	358944	4.37	512191	5.11	477191	9.33

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4133 SAS No.: C4133 SDG NO.: C4133
Lab File ID: VF029015.D Date Analyzed: 10/18/2011
Instrument ID: MSVOA_F Time Analyzed: 10:39
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	273726	12.25				
UPPER LIMIT	547452	12.75				
LOWER LIMIT	136863	11.75				
EPA SAMPLE NO.						
BSF1018S1	273633	12.24				
SB20-1.5	201615	12.24				
SB20-1.5MS	238419	12.24				
SB20-1.5MSD	233358	12.24				
SB20-4.0	229193	12.24				
SB22-1.0	43231 *	12.24				
SB23-1.0	46702 *	12.25				
VBF1018S1	294589	12.24				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4133 SAS No.: C4133 SDG NO.: C4133
Lab File ID: VF029039.D Date Analyzed: 10/19/2011
Instrument ID: MSVOA_F Time Analyzed: 12:18
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	301507	4.38	433627	5.13	417899	9.34
UPPER LIMIT	603014	4.88	867254	5.63	835798	9.84
LOWER LIMIT	150753.5	3.88	216813.5	4.63	208949.5	8.84
EPA SAMPLE NO.						
BSF1019S1	300030	4.38	434345	5.12	413905	9.34
SB21-1.0	272876	4.38	401582	5.13	365973	9.35
SB22-1.0DL	299394	4.38	432467	5.12	341677	9.34
SB23-1.0DL	285784	4.39	425159	5.13	327648	9.34
VBF1019S1	319183	4.38	452599	5.13	418801	9.34

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C4133 SAS No.: C4133 SDG NO.: C4133
Lab File ID: VF029039.D Date Analyzed: 10/19/2011
Instrument ID: MSVOA_F Time Analyzed: 12:18
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	275264	12.25				
UPPER LIMIT	550528	12.75				
LOWER LIMIT	137632	11.75				
EPA SAMPLE NO.						
BSF1019S1	270389	12.25				
SB21-1.0	170239	12.25				
SB22-1.0DL	109197 *	12.25				
SB23-1.0DL	107341 *	12.25				
VBF1019S1	265088	12.25				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

ANALYTICAL RESULTS SUMMARY

PROJECT NAME : CHEMICAL SALES SITE

**ARCADIS INC.
855 Route 146, Suite 210**

**Clifton Park , NY - 12065
Phone No: 5182507300**

**ORDER ID : C5022
ATTENTION : Mark Flusche**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C5022-01	Solid	8260B	5035		
C5022-02	Solid	8260B	5035		
C5022-03	Solid	8260B	5035		
C5022-04	Solid	8260B	5035		
C5022-05	Solid	8260B	5035		
C5022-06	Solid	8260B	5035		
C5022-07	Solid	8260B	5035		
C5022-08	Solid	8260B	5035		

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IIa

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

FORM S-IIb

**SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE
(VOA) ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C5022-01	SOIL	12/14/11	12/16/11	12/	24/11
C5022-02	SOIL	12/14/11	12/16/11	12/	22/11
C5022-03	SOIL	12/14/11	12/16/11	12/	22/11
C5022-04	SOIL	12/14/11	12/16/11	12/	22/11
C5022-05	SOIL	12/14/11	12/16/11	12/	24/11
C5022-06	SOIL	12/14/11	12/16/11	12/	22/11
C5022-07	SOIL	12/14/11	12/16/11	12/	22/11
C5022-08	SOIL	12/14/11	12/16/11	12/	23/11

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SB-24-1.0	C5022-01	8260B					Chemtech -SOP
SB-24-5.0	C5022-02	8260B					Chemtech -SOP
SB-25-3.5	C5022-03	8260B					Chemtech -SOP
SB-25-6.0	C5022-04	8260B					Chemtech -SOP
SB-26-1.0	C5022-05	8260B					Chemtech -SOP
SB-26-5.5	C5022-06	8260B					Chemtech -SOP
SB-27-3.5	C5022-07	8260B					Chemtech -SOP
SB-27-5.5	C5022-08	8260B					Chemtech -SOP



Cover Page

Order ID : C5022

Project ID : Chemical Sales site

Client : Arcadis Inc.

Lab Sample Number

C5022-01
C5022-02
C5022-03
C5022-04
C5022-05
C5022-06
C5022-07
C5022-08

Client Sample Number

SB-24-1.0
SB-24-5.0
SB-25-3.5
SB-25-6.0
SB-26-1.0
SB-26-5.5
SB-27-3.5
SB-27-5.5

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax (908) 789-8922

www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

073622

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:

ADDRESS:

CITY: Clifton Park

STATE: NY

ZIP: 12065

ATTENTION:

PHONE: 518-250-7300

FAX: 518-250-7301

CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO. 00266393

LOCATION: Gates NY

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX: Standard DAYS *

HARD COPY: DAYS *

EDD: DAYS *

PREAPPROVED TAT: ☐ YES ☐ NO

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY☐ USEPA CLP☐ RESULTS + QC☐ New York State ASP "B"☐ New Jersey REDUCED☐ New York State ASP "A"☐ New Jersey CLP☐ Other☐ EDD FORMAT

5260 B full

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	SB-24 1.0'	Soil		✓	12/14/11	1000	1	✓									
2.	SB-24 5.0'			✓		1000	1	✓									
3.	SB-25 3.5'			✓		1100	1	✓									
4.	SB-25 6.0'			✓		1100	1	✓									
5.	SB-26 1.0'			✓		1130	1	✓									
6.	SB-26 5.5'			✓		1130	1	✓									
7.	SB-27 3.5'			✓		1200	1	✓									
8.	SB-27 5.5'			✓		1200	1	✓									
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY: <u>D. Small</u>	DATE/TIME: <u>12/15 1200</u>	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant	Cooler Temp. <u>4°C</u>
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.	MeOH extraction requires an additional 4 oz jar for percent solid.	Ice in Cooler? <u>yes</u>
RELINQUISHED BY: 3. <u>Fed Ex</u>	DATE/TIME: <u>12/16/11 9:05</u>	RECEIVED FOR LAB BY: <u>Kan K...</u>	Page <u>1</u> of <u>1</u>	SHIPMENT VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
			Shipment Complete: ☒ YES ☐ NO	

FedEx NEW Package
Express US Airbill
FedEx
Tracking
Number

8769 0142 8045

0200

Form
10 No.

12

10

x

FedEx Retrieval Copy

1 From
Date 12/15/2011 Sender's FedEx Account Number 1065 1926 9

Sender's Name Dwight Symonds Phone 585 7273-710

Company Accord3-US

Address 855 Rt. 146 Dept./Floor/Suite/Room

City Clifton Park State NY ZIP 12060

2 Your Internal Billing Reference

3 To
Recipient's Name Phone

Company Chem Tech

Address 784 Sheffield St. Dept./Floor/Suite/Room

Address Use this line for the HOLD location address or for continuation of your shipping address.

City New Windsor State NJ ZIP 07097



8769 0142 8045

4 Express Package Service *To most locations.
NOTE: Service order has changed. Please select carefully.

06 ☐ FedEx First Overnight

Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

01 ☒ FedEx Priority Overnight

Next business morning. *Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight

Next business afternoon. *Saturday Delivery NOT available.

49 ☐ NEW FedEx 2Day A.M.

Second business morning. *Saturday Delivery NOT available.

03 ☐ FedEx 2Day

Second business afternoon. *Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver

Third business day. *Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

05 ☐ FedEx Envelope* 02 ☐ FedEx Pak* 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☐ Other

6 Special Handling and Delivery Signature Options

03 ☐ SATURDAY DELIVERY

☒ No Signature Required

Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature

Someone at recipient's address may sign for delivery. Fee applies.

34 ☐ Indirect Signature

If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No 04 ☐ Yes

As per attached Shipper's Declaration.

☐ Yes

Shipper's Declaration not required.

06 ☐ Dry Ice

Dry ice, 9 UN 1845

x kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. ☐

1 ☐ Sender

Acct. No. in Section I will be billed.

2 ☐ Recipient

3 ☐ Third Party

4 ☐ Credit Card

5 ☐ Cash/Check

Total Packages

Total Weight

lbs

Credit Card Auth.

*Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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CASE NARRATIVE

Arcadis Inc.

Project Name: Chemical Sales site

Project # N/A

Chemtech Project # C5022

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

8 Solid samples were received on 12/16/2011.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

Rtx-624SIL MS 30m 0.25mm 1.4um 872456 The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for BST1222S1 [4-Bromofluorobenzene - 78%], SB-24-1.0MS [4-Bromofluorobenzene - 70%] and SB-24-1.0MSD [4-Bromofluorobenzene - 73%].

The Internal Standards Areas met the acceptable requirements except for SB-24-5.0, SB-25-3.5, SB-25-6.0, SB-26-1.0, SB-26-5.5RE, SB-27-3.5, SB-27-3.5DL, SB-27-5.5 and SB-27-5.5RE.

The Retention Times were acceptable for all samples.

The MS {C5022-01MS} with File ID: VT002024.D recoveries met the requirements for all compounds except for 1,1,1-Trichloroethane[59%] and Trichloroethene[22%] .

The MSD {C5022-01MSD} with File ID: VT002025.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[133%], 1,2-Dibromo-3-Chloropropane[146%], Isopropylbenzene[131%] and Trichloroethene[33%] .

The RPD for {C5022-01MSD} with File ID: VT002025.D recoveries met criteria except for 1,1,1-Trichloroethane[25%], Acetone[24%], Methyl Acetate[27%] and Trichloroethene[40%] .

The Blank Spike for {BSH1223M1} with File ID: VH045013.D met requirements for all samples except for Chloromethane[145%] .

The Blank Spike for {BSH1227M1} with File ID: VH045031.D met requirements for all samples except for 1,1,1-Trichloroethane[55%], 1,1,2,2-Tetrachloroethane[60%], 1,1,2-Trichloroethane[55%], 1,1,2-Trichlorotrifluoroethane[60%], 1,1-Dichloroethane[65%], 1,2,4-Trichlorobenzene[55%], 1,2-Dibromo-3-Chloropropane[55%], 1,2-

Dibromoethane[50%], 1,2-Dichlorobenzene[50%], 1,2-Dichloroethane[50%], 1,2-Dichloropropane[65%], 1,3-Dichlorobenzene[55%], 1,4-Dichlorobenzene[55%], Benzene[55%], Bromodichloromethane[55%], Bromoform[49%], Carbon disulfide[55%], Carbon Tetrachloride[48%], Chlorobenzene[50%], Chloroform[55%], cis-1,2-Dichloroethene[60%], cis-1,3-Dichloropropene[55%], Cyclohexane[65%], Dibromochloromethane[55%], Ethyl Benzene[55%], Isopropylbenzene[60%], m/p-Xylenes[55%], Methyl tert-butyl Ether[60%], Methylcyclohexane[60%], o-Xylene[55%], Styrene[50%], t-1,3-Dichloropropene[55%], Tetrachloroethene[50%], Toluene[55%], trans-1,2-Dichloroethene[55%] and Trichloroethene[55%] .

The Blank Spike for {BST1223S4} with File ID: VT002087.D met requirements for all samples except for Methyl tert-butyl Ether[125%] .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Initial Calibration Verification met the requirements .

The Continuous Calibration File ID VH045010.D met the requirements except for Dichlorodifluoromethane,Chloromethane,Vinyl

Chloride,Bromomethane,Chloroethane,1,1-Dichloroethene,Acetone,Carbon Disulfide,Methylene Chloride and Cyclohexane but they were not detected in any samples.The Continuous Calibration File ID VT002020.D met the requirements except for 1,2-Dichloroethane-d4,Carbon Tetrachloride,Methylcyclohexane and Tetrachloroethene .The Continuous Calibration File ID VT002084.D met the requirements except for Bromomethane but it was not detected in any samples.

The Tuning criteria met requirements.

Samples SB-24-5.0, SB-25-3.5, SB-25-6.0, SB-26-1.0 and SB-27-3.5 were diluted due to high concentrations.

E. Additional Comments:

SB-24-5.0DL is overdiluted for cis-1,2-Dichloroethene , no lower dilution can be run.
SB-25-6.0DL & SB-27-5.5RE are not matching with first run for Methylene Chloride as it is Lab contamination.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.



I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-1.0	SDG No.:	C5022
Lab Sample ID:	C5022-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002093.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.3	U	0.69	5.3	ug/Kg
74-87-3	Chloromethane	5.3	U	0.91	5.3	ug/Kg
75-01-4	Vinyl Chloride	5.3	U	1.3	5.3	ug/Kg
74-83-9	Bromomethane	5.3	U	2.6	5.3	ug/Kg
75-00-3	Chloroethane	5.3	U	1.5	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	5.3	U	1.4	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U	1.4	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	5.3	U	1.5	5.3	ug/Kg
67-64-1	Acetone	62		3.2	26	ug/Kg
75-15-0	Carbon Disulfide	5.3	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	1	5.3	ug/Kg
79-20-9	Methyl Acetate	5.3	U	1.6	5.3	ug/Kg
75-09-2	Methylene Chloride	3.5	J	1.5	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.3	U	0.73	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	5.3	U	0.99	5.3	ug/Kg
110-82-7	Cyclohexane	5.3	U	1.1	5.3	ug/Kg
78-93-3	2-Butanone	26	U	3.3	26	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	1	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.9	J	0.94	5.3	ug/Kg
67-66-3	Chloroform	5.3	U	0.78	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	24		0.93	5.3	ug/Kg
108-87-2	Methylcyclohexane	5.3	U	1.1	5.3	ug/Kg
71-43-2	Benzene	5.3	U	0.4	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	5.3	U	0.67	5.3	ug/Kg
79-01-6	Trichloroethene	36		0.91	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	0.27	5.3	ug/Kg
75-27-4	Bromodichloromethane	5.3	U	0.65	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26	U	3.1	26	ug/Kg
108-88-3	Toluene	5.3	U	0.67	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	0.83	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.3	U	0.76	5.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-1.0	SDG No.:	C5022
Lab Sample ID:	C5022-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002093.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.3	U	0.95	5.3	ug/Kg
591-78-6	2-Hexanone	26	U	4.1	26	ug/Kg
124-48-1	Dibromochloromethane	5.3	U	0.57	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	5.3	U	0.67	5.3	ug/Kg
127-18-4	Tetrachloroethene	3.1	J	1.1	5.3	ug/Kg
108-90-7	Chlorobenzene	5.3	U	0.53	5.3	ug/Kg
100-41-4	Ethyl Benzene	5.3	U	0.65	5.3	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.76	11	ug/Kg
95-47-6	o-Xylene	5.3	U	0.72	5.3	ug/Kg
100-42-5	Styrene	5.3	U	0.47	5.3	ug/Kg
75-25-2	Bromoform	5.3	U	0.78	5.3	ug/Kg
98-82-8	Isopropylbenzene	5.3	U	0.51	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	0.48	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.3	U	0.39	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.3	U	0.43	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.3	U	0.65	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	0.92	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.3	U	0.74	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.2		56 - 120	88%	SPK: 50
1868-53-7	Dibromofluoromethane	40.9		57 - 135	82%	SPK: 50
2037-26-5	Toluene-d8	41.2		67 - 123	82%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		33 - 141	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	597867	8.04			
540-36-3	1,4-Difluorobenzene	1115760	8.95			
3114-55-4	Chlorobenzene-d5	709263	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	310335	13.62			
TENTATIVE IDENTIFIED COMPOUNDS						
000110-54-3	Hexane	21	J		5.91	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-1.0	SDG No.:	C5022
Lab Sample ID:	C5022-01	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	5.1	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002093.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-5.0	SDG No.:	C5022
Lab Sample ID:	C5022-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002027.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.7	U	0.74	5.7	ug/Kg
74-87-3	Chloromethane	5.7	U	0.98	5.7	ug/Kg
75-01-4	Vinyl Chloride	5.7	U	1.4	5.7	ug/Kg
74-83-9	Bromomethane	5.7	U	2.8	5.7	ug/Kg
75-00-3	Chloroethane	5.7	U	1.6	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	5.7	U	1.5	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.7	U	1.5	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	5.7		1.7	5.7	ug/Kg
67-64-1	Acetone	12	J	3.4	28	ug/Kg
75-15-0	Carbon Disulfide	5.7	U	1.2	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.7	U	1.1	5.7	ug/Kg
79-20-9	Methyl Acetate	5.7	U	1.7	5.7	ug/Kg
75-09-2	Methylene Chloride	2.3	J	1.6	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	J	0.79	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	150		1.1	5.7	ug/Kg
110-82-7	Cyclohexane	5.7	U	1.2	5.7	ug/Kg
78-93-3	2-Butanone	28	U	3.5	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.7	U	1.1	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	250	E	1	5.7	ug/Kg
67-66-3	Chloroform	5.7	U	0.84	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	2900	E	1	5.7	ug/Kg
108-87-2	Methylcyclohexane	5.7	U	1.2	5.7	ug/Kg
71-43-2	Benzene	5.7	U	0.43	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	5.7	U	0.73	5.7	ug/Kg
79-01-6	Trichloroethene	56		0.98	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	5.7	U	0.3	5.7	ug/Kg
75-27-4	Bromodichloromethane	5.7	U	0.71	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.3	28	ug/Kg
108-88-3	Toluene	5.7	U	0.73	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.7	U	0.9	5.7	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.7	U	0.82	5.7	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-5.0	SDG No.:	C5022
Lab Sample ID:	C5022-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002027.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.7	U	1	5.7	ug/Kg
591-78-6	2-Hexanone	28	U	4.5	28	ug/Kg
124-48-1	Dibromochloromethane	5.7	U	0.62	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	5.7	U	0.73	5.7	ug/Kg
127-18-4	Tetrachloroethene	5.4	J	1.2	5.7	ug/Kg
108-90-7	Chlorobenzene	5.7	U	0.57	5.7	ug/Kg
100-41-4	Ethyl Benzene	5.7	U	0.71	5.7	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.82	11	ug/Kg
95-47-6	o-Xylene	5.7	U	0.77	5.7	ug/Kg
100-42-5	Styrene	5.7	U	0.51	5.7	ug/Kg
75-25-2	Bromoform	5.7	U	0.84	5.7	ug/Kg
98-82-8	Isopropylbenzene	5.7	U	0.55	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U	0.52	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.7	U	0.42	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.7	U	0.47	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.7	U	0.71	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U	0.99	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.7	U	0.8	5.7	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	57.5		57 - 135	115%	SPK: 50
2037-26-5	Toluene-d8	49.4		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.1		33 - 141	56%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	698148	8.05			
540-36-3	1,4-Difluorobenzene	1202570	8.95			
3114-55-4	Chlorobenzene-d5	640616	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	178150	13.63			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-5.0	SDG No.:	C5022
Lab Sample ID:	C5022-02	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	4.93	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002027.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-5.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-02DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045015.D	1		12/23/11	VH122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	550	U	61	550	ug/Kg
74-87-3	Chloromethane	550	U	60	550	ug/Kg
75-01-4	Vinyl Chloride	550	U	38	550	ug/Kg
74-83-9	Bromomethane	550	U	69	550	ug/Kg
75-00-3	Chloroethane	550	U	73	550	ug/Kg
75-69-4	Trichlorofluoromethane	550	U	39	550	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	550	U	50	550	ug/Kg
75-35-4	1,1-Dichloroethene	550	U	52	550	ug/Kg
67-64-1	Acetone	2800	U	300	2800	ug/Kg
75-15-0	Carbon Disulfide	550	U	60	550	ug/Kg
1634-04-4	Methyl tert-butyl Ether	550	U	39	550	ug/Kg
79-20-9	Methyl Acetate	550	U	92	550	ug/Kg
75-09-2	Methylene Chloride	550	U	45	550	ug/Kg
156-60-5	trans-1,2-Dichloroethene	550	U	45	550	ug/Kg
75-34-3	1,1-Dichloroethane	550	U	40	550	ug/Kg
110-82-7	Cyclohexane	550	U	61	550	ug/Kg
78-93-3	2-Butanone	2800	U	150	2800	ug/Kg
56-23-5	Carbon Tetrachloride	550	U	69	550	ug/Kg
156-59-2	cis-1,2-Dichloroethene	550	U	39	550	ug/Kg
67-66-3	Chloroform	550	U	38	550	ug/Kg
71-55-6	1,1,1-Trichloroethane	3500	D	44	550	ug/Kg
108-87-2	Methylcyclohexane	550	U	75	550	ug/Kg
71-43-2	Benzene	550	U	35	550	ug/Kg
107-06-2	1,2-Dichloroethane	550	U	53	550	ug/Kg
79-01-6	Trichloroethene	550	U	31	550	ug/Kg
78-87-5	1,2-Dichloropropane	550	U	51	550	ug/Kg
75-27-4	Bromodichloromethane	550	U	40	550	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2800	U	230	2800	ug/Kg
108-88-3	Toluene	550	U	41	550	ug/Kg
10061-02-6	t-1,3-Dichloropropene	550	U	32	550	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	550	U	34	550	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-5.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-02DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045015.D	1		12/23/11	VH122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	550	U	42	550	ug/Kg
591-78-6	2-Hexanone	2800	U	210	2800	ug/Kg
124-48-1	Dibromochloromethane	550	U	58	550	ug/Kg
106-93-4	1,2-Dibromoethane	550	U	45	550	ug/Kg
127-18-4	Tetrachloroethene	550	U	30	550	ug/Kg
108-90-7	Chlorobenzene	550	U	54	550	ug/Kg
100-41-4	Ethyl Benzene	550	U	59	550	ug/Kg
179601-23-1	m/p-Xylenes	1100	U	110	1100	ug/Kg
95-47-6	o-Xylene	550	U	48	550	ug/Kg
100-42-5	Styrene	550	U	40	550	ug/Kg
75-25-2	Bromoform	550	U	52	550	ug/Kg
98-82-8	Isopropylbenzene	550	U	50	550	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	550	U	34	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	48	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	35	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	550	U	50	550	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	550	U	51	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	550	U	69	550	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		56 - 120	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		57 - 135	96%	SPK: 50
2037-26-5	Toluene-d8	52.1		67 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		33 - 141	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281568	4.94			
540-36-3	1,4-Difluorobenzene	489649	5.66			
3114-55-4	Chlorobenzene-d5	507792	9.78			
3855-82-1	1,4-Dichlorobenzene-d4	261704	12.53			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-24-5.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-02DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	11
Sample Wt/Vol:	5.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045015.D	1		12/23/11	VH122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-3.5	SDG No.:	C5022
Lab Sample ID:	C5022-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002028.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.4	U	0.83	6.4	ug/Kg
74-87-3	Chloromethane	6.4	U	1.1	6.4	ug/Kg
75-01-4	Vinyl Chloride	6.4	U	1.6	6.4	ug/Kg
74-83-9	Bromomethane	6.4	U	3.1	6.4	ug/Kg
75-00-3	Chloroethane	6.4	U	1.8	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	6.4	U	1.7	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6.4	U	1.7	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	65		1.9	6.4	ug/Kg
67-64-1	Acetone	12	J	3.8	32	ug/Kg
75-15-0	Carbon Disulfide	6.4	U	1.3	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6.4	U	1.2	6.4	ug/Kg
79-20-9	Methyl Acetate	6.4	U	1.9	6.4	ug/Kg
75-09-2	Methylene Chloride	2.8	J	1.8	6.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.3	J	0.88	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	150		1.2	6.4	ug/Kg
110-82-7	Cyclohexane	6.4	U	1.3	6.4	ug/Kg
78-93-3	2-Butanone	32	U	4	32	ug/Kg
56-23-5	Carbon Tetrachloride	6.4	U	1.3	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	250		1.1	6.4	ug/Kg
67-66-3	Chloroform	6.4	U	0.94	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	3000	E	1.1	6.4	ug/Kg
108-87-2	Methylcyclohexane	6.4	U	1.3	6.4	ug/Kg
71-43-2	Benzene	6.4	U	0.48	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	6.4	U	0.81	6.4	ug/Kg
79-01-6	Trichloroethene	59		1.1	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	6.4	U	0.33	6.4	ug/Kg
75-27-4	Bromodichloromethane	6.4	U	0.79	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	32	U	3.7	32	ug/Kg
108-88-3	Toluene	6.4	U	0.81	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6.4	U	1	6.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6.4	U	0.92	6.4	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-3.5	SDG No.:	C5022
Lab Sample ID:	C5022-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002028.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6.4	U	1.1	6.4	ug/Kg
591-78-6	2-Hexanone	32	U	5	32	ug/Kg
124-48-1	Dibromochloromethane	6.4	U	0.69	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	6.4	U	0.81	6.4	ug/Kg
127-18-4	Tetrachloroethene	6.1	J	1.3	6.4	ug/Kg
108-90-7	Chlorobenzene	6.4	U	0.64	6.4	ug/Kg
100-41-4	Ethyl Benzene	6.4	U	0.79	6.4	ug/Kg
179601-23-1	m/p-Xylenes	13	U	0.92	13	ug/Kg
95-47-6	o-Xylene	6.4	U	0.86	6.4	ug/Kg
100-42-5	Styrene	6.4	U	0.57	6.4	ug/Kg
75-25-2	Bromoform	6.4	U	0.94	6.4	ug/Kg
98-82-8	Isopropylbenzene	6.4	U	0.61	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U	0.59	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	6.4	U	0.47	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.4	U	0.52	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	6.4	U	0.79	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6.4	U	1.1	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.4	U	0.89	6.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	56.4		57 - 135	113%	SPK: 50
2037-26-5	Toluene-d8	49.5		67 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.1		33 - 141	54%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	731004	8.05			
540-36-3	1,4-Difluorobenzene	1275810	8.95			
3114-55-4	Chlorobenzene-d5	678724	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	183095	13.63			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-3.5	SDG No.:	C5022
Lab Sample ID:	C5022-03	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	5.04	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002028.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-3.5DL	SDG No.:	C5022
Lab Sample ID:	C5022-03DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	4.97 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045033.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	640	U	71	640	ug/Kg
74-87-3	Chloromethane	640	U	70	640	ug/Kg
75-01-4	Vinyl Chloride	640	U	44	640	ug/Kg
74-83-9	Bromomethane	640	U	80	640	ug/Kg
75-00-3	Chloroethane	640	U	85	640	ug/Kg
75-69-4	Trichlorofluoromethane	640	U	45	640	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	640	U	58	640	ug/Kg
75-35-4	1,1-Dichloroethene	640	U	61	640	ug/Kg
67-64-1	Acetone	3200	U	350	3200	ug/Kg
75-15-0	Carbon Disulfide	640	U	70	640	ug/Kg
1634-04-4	Methyl tert-butyl Ether	640	U	45	640	ug/Kg
79-20-9	Methyl Acetate	640	U	110	640	ug/Kg
75-09-2	Methylene Chloride	640	U	53	640	ug/Kg
156-60-5	trans-1,2-Dichloroethene	640	U	53	640	ug/Kg
75-34-3	1,1-Dichloroethane	2100	D	46	640	ug/Kg
110-82-7	Cyclohexane	640	U	71	640	ug/Kg
78-93-3	2-Butanone	3200	U	170	3200	ug/Kg
56-23-5	Carbon Tetrachloride	640	U	80	640	ug/Kg
156-59-2	cis-1,2-Dichloroethene	15000	D	45	640	ug/Kg
67-66-3	Chloroform	640	U	44	640	ug/Kg
71-55-6	1,1,1-Trichloroethane	2800	D	52	640	ug/Kg
108-87-2	Methylcyclohexane	640	U	88	640	ug/Kg
71-43-2	Benzene	640	U	41	640	ug/Kg
107-06-2	1,2-Dichloroethane	640	U	62	640	ug/Kg
79-01-6	Trichloroethene	6200	D	36	640	ug/Kg
78-87-5	1,2-Dichloropropane	640	U	59	640	ug/Kg
75-27-4	Bromodichloromethane	640	U	46	640	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3200	U	270	3200	ug/Kg
108-88-3	Toluene	640	U	48	640	ug/Kg
10061-02-6	t-1,3-Dichloropropene	640	U	37	640	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	640	U	40	640	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-3.5DL	SDG No.:	C5022
Lab Sample ID:	C5022-03DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	4.97 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045033.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	640	U	49	640	ug/Kg
591-78-6	2-Hexanone	3200	U	250	3200	ug/Kg
124-48-1	Dibromochloromethane	640	U	67	640	ug/Kg
106-93-4	1,2-Dibromoethane	640	U	53	640	ug/Kg
127-18-4	Tetrachloroethene	5300	D	35	640	ug/Kg
108-90-7	Chlorobenzene	640	U	63	640	ug/Kg
100-41-4	Ethyl Benzene	640	U	68	640	ug/Kg
179601-23-1	m/p-Xylenes	1300	U	120	1300	ug/Kg
95-47-6	o-Xylene	640	U	55	640	ug/Kg
100-42-5	Styrene	640	U	46	640	ug/Kg
75-25-2	Bromoform	640	U	61	640	ug/Kg
98-82-8	Isopropylbenzene	640	U	58	640	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	640	U	40	640	ug/Kg
541-73-1	1,3-Dichlorobenzene	640	U	55	640	ug/Kg
106-46-7	1,4-Dichlorobenzene	640	U	41	640	ug/Kg
95-50-1	1,2-Dichlorobenzene	640	U	58	640	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	640	U	59	640	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	640	U	80	640	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		57 - 135	89%	SPK: 50
2037-26-5	Toluene-d8	49.8		67 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		33 - 141	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252815	5			
540-36-3	1,4-Difluorobenzene	442818	5.71			
3114-55-4	Chlorobenzene-d5	430677	9.83			
3855-82-1	1,4-Dichlorobenzene-d4	241214	12.55			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-3.5DL	SDG No.:	C5022
Lab Sample ID:	C5022-03DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	22
Sample Wt/Vol:	4.97 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045033.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-6.0	SDG No.:	C5022
Lab Sample ID:	C5022-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002029.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6	U	0.79	6	ug/Kg
74-87-3	Chloromethane	6	U	1	6	ug/Kg
75-01-4	Vinyl Chloride	6	U	1.5	6	ug/Kg
74-83-9	Bromomethane	6	U	3	6	ug/Kg
75-00-3	Chloroethane	6	U	1.7	6	ug/Kg
75-69-4	Trichlorofluoromethane	6	U	1.6	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6	U	1.6	6	ug/Kg
75-35-4	1,1-Dichloroethene	6	U	1.8	6	ug/Kg
67-64-1	Acetone	39		3.7	30	ug/Kg
75-15-0	Carbon Disulfide	6	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6	U	1.2	6	ug/Kg
79-20-9	Methyl Acetate	6	U	1.8	6	ug/Kg
75-09-2	Methylene Chloride	6	U	1.7	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	10		0.83	6	ug/Kg
75-34-3	1,1-Dichloroethane	28		1.1	6	ug/Kg
110-82-7	Cyclohexane	6	U	1.2	6	ug/Kg
78-93-3	2-Butanone	30	U	3.8	30	ug/Kg
56-23-5	Carbon Tetrachloride	6	U	1.2	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	440	E	1.1	6	ug/Kg
67-66-3	Chloroform	6	U	0.9	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	30		1.1	6	ug/Kg
108-87-2	Methylcyclohexane	6	U	1.3	6	ug/Kg
71-43-2	Benzene	6	U	0.46	6	ug/Kg
107-06-2	1,2-Dichloroethane	6	U	0.77	6	ug/Kg
79-01-6	Trichloroethene	48		1	6	ug/Kg
78-87-5	1,2-Dichloropropane	6	U	0.31	6	ug/Kg
75-27-4	Bromodichloromethane	6	U	0.75	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	3.5	30	ug/Kg
108-88-3	Toluene	6	U	0.77	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6	U	0.96	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6	U	0.87	6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-6.0	SDG No.:	C5022
Lab Sample ID:	C5022-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	4.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002029.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6	U	1.1	6	ug/Kg
591-78-6	2-Hexanone	30	U	4.7	30	ug/Kg
124-48-1	Dibromochloromethane	6	U	0.65	6	ug/Kg
106-93-4	1,2-Dibromoethane	6	U	0.77	6	ug/Kg
127-18-4	Tetrachloroethene	81		1.2	6	ug/Kg
108-90-7	Chlorobenzene	6	U	0.6	6	ug/Kg
100-41-4	Ethyl Benzene	6	U	0.75	6	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.87	12	ug/Kg
95-47-6	o-Xylene	6	U	0.82	6	ug/Kg
100-42-5	Styrene	6	U	0.54	6	ug/Kg
75-25-2	Bromoform	6	U	0.9	6	ug/Kg
98-82-8	Isopropylbenzene	6	U	0.58	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6	U	0.56	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	6	U	0.45	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	6	U	0.5	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	6	U	0.75	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6	U	1.1	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6	U	0.85	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		56 - 120	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		57 - 135	104%	SPK: 50
2037-26-5	Toluene-d8	51.7		67 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	31		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	647843	8.05			
540-36-3	1,4-Difluorobenzene	1131680	8.95			
3114-55-4	Chlorobenzene-d5	628741	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	195790	13.63			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-6.0	SDG No.:	C5022
Lab Sample ID:	C5022-04	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	4.92	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002029.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-6.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-04DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	1.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002094.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	29	U	3.8	29	ug/Kg
74-87-3	Chloromethane	29	U	5.1	29	ug/Kg
75-01-4	Vinyl Chloride	29	U	7.2	29	ug/Kg
74-83-9	Bromomethane	29	U	14	29	ug/Kg
75-00-3	Chloroethane	29	U	8.3	29	ug/Kg
75-69-4	Trichlorofluoromethane	29	U	7.8	29	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	29	U	7.8	29	ug/Kg
75-35-4	1,1-Dichloroethene	29	U	8.7	29	ug/Kg
67-64-1	Acetone	390	D	18	150	ug/Kg
75-15-0	Carbon Disulfide	29	U	6.2	29	ug/Kg
1634-04-4	Methyl tert-butyl Ether	29	U	5.7	29	ug/Kg
79-20-9	Methyl Acetate	29	U	8.9	29	ug/Kg
75-09-2	Methylene Chloride	21	JD	8.4	29	ug/Kg
156-60-5	trans-1,2-Dichloroethene	29	U	4.1	29	ug/Kg
75-34-3	1,1-Dichloroethane	29	U	5.5	29	ug/Kg
110-82-7	Cyclohexane	29	U	6	29	ug/Kg
78-93-3	2-Butanone	150	U	18	150	ug/Kg
56-23-5	Carbon Tetrachloride	29	U	5.8	29	ug/Kg
156-59-2	cis-1,2-Dichloroethene	7.6	JD	5.2	29	ug/Kg
67-66-3	Chloroform	29	U	4.4	29	ug/Kg
71-55-6	1,1,1-Trichloroethane	29	U	5.2	29	ug/Kg
108-87-2	Methylcyclohexane	29	U	6.2	29	ug/Kg
71-43-2	Benzene	29	U	2.2	29	ug/Kg
107-06-2	1,2-Dichloroethane	29	U	3.8	29	ug/Kg
79-01-6	Trichloroethene	29	U	5.1	29	ug/Kg
78-87-5	1,2-Dichloropropane	29	U	1.5	29	ug/Kg
75-27-4	Bromodichloromethane	29	U	3.7	29	ug/Kg
108-10-1	4-Methyl-2-Pentanone	150	U	17	150	ug/Kg
108-88-3	Toluene	29	U	3.8	29	ug/Kg
10061-02-6	t-1,3-Dichloropropene	29	U	4.7	29	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	29	U	4.2	29	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-6.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-04DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	1.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002094.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	29	U	5.3	29	ug/Kg
591-78-6	2-Hexanone	150	U	23	150	ug/Kg
124-48-1	Dibromochloromethane	29	U	3.2	29	ug/Kg
106-93-4	1,2-Dibromoethane	29	U	3.8	29	ug/Kg
127-18-4	Tetrachloroethene	29	U	6	29	ug/Kg
108-90-7	Chlorobenzene	29	U	2.9	29	ug/Kg
100-41-4	Ethyl Benzene	29	U	3.7	29	ug/Kg
179601-23-1	m/p-Xylenes	59	U	4.2	59	ug/Kg
95-47-6	o-Xylene	29	U	4	29	ug/Kg
100-42-5	Styrene	29	U	2.7	29	ug/Kg
75-25-2	Bromoform	29	U	4.4	29	ug/Kg
98-82-8	Isopropylbenzene	29	U	2.8	29	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	29	U	2.7	29	ug/Kg
541-73-1	1,3-Dichlorobenzene	29	U	2.2	29	ug/Kg
106-46-7	1,4-Dichlorobenzene	29	U	2.4	29	ug/Kg
95-50-1	1,2-Dichlorobenzene	29	U	3.7	29	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	29	U	5.1	29	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	29	U	4.1	29	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.4		56 - 120	81%	SPK: 50
1868-53-7	Dibromofluoromethane	38.6		57 - 135	77%	SPK: 50
2037-26-5	Toluene-d8	42		67 - 123	84%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		33 - 141	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	695146	8.05			
540-36-3	1,4-Difluorobenzene	1238890	8.95			
3114-55-4	Chlorobenzene-d5	793791	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	374752	13.63			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-25-6.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-04DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	16
Sample Wt/Vol:	1.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002094.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-1.0	SDG No.:	C5022
Lab Sample ID:	C5022-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	10
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002095.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.5	U	0.72	5.5	ug/Kg
74-87-3	Chloromethane	5.5	U	0.95	5.5	ug/Kg
75-01-4	Vinyl Chloride	5.5	U	1.4	5.5	ug/Kg
74-83-9	Bromomethane	5.5	U	2.7	5.5	ug/Kg
75-00-3	Chloroethane	5.5	U	1.6	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	5.5	U	1.5	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.5	U	1.5	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	5.5	U	1.6	5.5	ug/Kg
67-64-1	Acetone	64		3.3	28	ug/Kg
75-15-0	Carbon Disulfide	5.5	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.5	U	1.1	5.5	ug/Kg
79-20-9	Methyl Acetate	5.5	U	1.7	5.5	ug/Kg
75-09-2	Methylene Chloride	3.8	J	1.6	5.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.5	U	0.77	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	5.5	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	5.5	U	1.1	5.5	ug/Kg
78-93-3	2-Butanone	28	U	3.4	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.5	U	1.1	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	14		0.99	5.5	ug/Kg
67-66-3	Chloroform	5.5	U	0.82	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	110		0.98	5.5	ug/Kg
108-87-2	Methylcyclohexane	5.5	U	1.2	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	5.5	U	0.71	5.5	ug/Kg
79-01-6	Trichloroethene	76		0.95	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	5.5	U	0.29	5.5	ug/Kg
75-27-4	Bromodichloromethane	5.5	U	0.69	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.2	28	ug/Kg
108-88-3	Toluene	5.5	U	0.71	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.5	U	0.88	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.5	U	0.8	5.5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-1.0	SDG No.:	C5022
Lab Sample ID:	C5022-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	10
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002095.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.5	U	1	5.5	ug/Kg
591-78-6	2-Hexanone	28	U	4.3	28	ug/Kg
124-48-1	Dibromochloromethane	5.5	U	0.6	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	5.5	U	0.71	5.5	ug/Kg
127-18-4	Tetrachloroethene	270	E	1.1	5.5	ug/Kg
108-90-7	Chlorobenzene	5.5	U	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.69	5.5	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.8	11	ug/Kg
95-47-6	o-Xylene	5.5	U	0.75	5.5	ug/Kg
100-42-5	Styrene	5.5	U	0.5	5.5	ug/Kg
75-25-2	Bromoform	5.5	U	0.82	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	0.51	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.5	U	0.41	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.5	U	0.45	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.5	U	0.69	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	0.96	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.5	U	0.78	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		56 - 120	89%	SPK: 50
1868-53-7	Dibromofluoromethane	42.1		57 - 135	84%	SPK: 50
2037-26-5	Toluene-d8	39.4		67 - 123	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.4		33 - 141	55%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	571523	8.05			
540-36-3	1,4-Difluorobenzene	1021110	8.95			
3114-55-4	Chlorobenzene-d5	547741	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	145828	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-1.0	SDG No.:	C5022
Lab Sample ID:	C5022-05	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	10
Sample Wt/Vol:	5.01	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002095.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-1.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-05DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	10
Sample Wt/Vol:	5.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045034.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	550	U	61	550	ug/Kg
74-87-3	Chloromethane	550	U	60	550	ug/Kg
75-01-4	Vinyl Chloride	550	U	38	550	ug/Kg
74-83-9	Bromomethane	550	U	69	550	ug/Kg
75-00-3	Chloroethane	550	U	73	550	ug/Kg
75-69-4	Trichlorofluoromethane	550	U	39	550	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	550	U	50	550	ug/Kg
75-35-4	1,1-Dichloroethene	550	U	52	550	ug/Kg
67-64-1	Acetone	2800	U	300	2800	ug/Kg
75-15-0	Carbon Disulfide	550	U	60	550	ug/Kg
1634-04-4	Methyl tert-butyl Ether	550	U	39	550	ug/Kg
79-20-9	Methyl Acetate	550	U	92	550	ug/Kg
75-09-2	Methylene Chloride	550	U	45	550	ug/Kg
156-60-5	trans-1,2-Dichloroethene	550	U	45	550	ug/Kg
75-34-3	1,1-Dichloroethane	550	U	40	550	ug/Kg
110-82-7	Cyclohexane	550	U	61	550	ug/Kg
78-93-3	2-Butanone	2800	U	150	2800	ug/Kg
56-23-5	Carbon Tetrachloride	550	U	69	550	ug/Kg
156-59-2	cis-1,2-Dichloroethene	550	U	39	550	ug/Kg
67-66-3	Chloroform	550	U	38	550	ug/Kg
71-55-6	1,1,1-Trichloroethane	550	U	44	550	ug/Kg
108-87-2	Methylcyclohexane	550	U	75	550	ug/Kg
71-43-2	Benzene	550	U	35	550	ug/Kg
107-06-2	1,2-Dichloroethane	550	U	53	550	ug/Kg
79-01-6	Trichloroethene	550	U	31	550	ug/Kg
78-87-5	1,2-Dichloropropane	550	U	51	550	ug/Kg
75-27-4	Bromodichloromethane	550	U	40	550	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2800	U	230	2800	ug/Kg
108-88-3	Toluene	550	U	41	550	ug/Kg
10061-02-6	t-1,3-Dichloropropene	550	U	32	550	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	550	U	34	550	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-1.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-05DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	10
Sample Wt/Vol:	5.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045034.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	550	U	42	550	ug/Kg
591-78-6	2-Hexanone	2800	U	210	2800	ug/Kg
124-48-1	Dibromochloromethane	550	U	58	550	ug/Kg
106-93-4	1,2-Dibromoethane	550	U	45	550	ug/Kg
127-18-4	Tetrachloroethene	180	JD	30	550	ug/Kg
108-90-7	Chlorobenzene	550	U	54	550	ug/Kg
100-41-4	Ethyl Benzene	550	U	59	550	ug/Kg
179601-23-1	m/p-Xylenes	1100	U	110	1100	ug/Kg
95-47-6	o-Xylene	550	U	48	550	ug/Kg
100-42-5	Styrene	550	U	40	550	ug/Kg
75-25-2	Bromoform	550	U	52	550	ug/Kg
98-82-8	Isopropylbenzene	550	U	50	550	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	550	U	34	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	550	U	48	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	550	U	35	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	550	U	50	550	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	550	U	51	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	550	U	69	550	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		56 - 120	96%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		57 - 135	91%	SPK: 50
2037-26-5	Toluene-d8	53.5		67 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	236214	5			
540-36-3	1,4-Difluorobenzene	415979	5.72			
3114-55-4	Chlorobenzene-d5	403018	9.83			
3855-82-1	1,4-Dichlorobenzene-d4	233299	12.55			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-1.0DL	SDG No.:	C5022
Lab Sample ID:	C5022-05DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	10
Sample Wt/Vol:	5.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045034.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-5.5	SDG No.:	C5022
Lab Sample ID:	C5022-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002031.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.9	U	0.77	5.9	ug/Kg
74-87-3	Chloromethane	5.9	U	1	5.9	ug/Kg
75-01-4	Vinyl Chloride	5.9	U	1.5	5.9	ug/Kg
74-83-9	Bromomethane	5.9	U	2.9	5.9	ug/Kg
75-00-3	Chloroethane	5.9	U	1.7	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	5.9	U	1.6	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.9	U	1.6	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	5.9	U	1.7	5.9	ug/Kg
67-64-1	Acetone	25	J	3.6	30	ug/Kg
75-15-0	Carbon Disulfide	5.9	U	1.3	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.9	U	1.1	5.9	ug/Kg
79-20-9	Methyl Acetate	5.9	U	1.8	5.9	ug/Kg
75-09-2	Methylene Chloride	5.9	U	1.7	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.9	U	0.82	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	3.2	J	1.1	5.9	ug/Kg
110-82-7	Cyclohexane	8.1		1.2	5.9	ug/Kg
78-93-3	2-Butanone	30	U	3.7	30	ug/Kg
56-23-5	Carbon Tetrachloride	5.9	U	1.2	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.9	U	1.1	5.9	ug/Kg
67-66-3	Chloroform	5.9	U	0.87	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	16		1	5.9	ug/Kg
108-87-2	Methylcyclohexane	5.9	U	1.3	5.9	ug/Kg
71-43-2	Benzene	5.9	U	0.45	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	5.9	U	0.76	5.9	ug/Kg
79-01-6	Trichloroethene	5.9	U	1	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	5.9	U	0.31	5.9	ug/Kg
75-27-4	Bromodichloromethane	5.9	U	0.73	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	3.4	30	ug/Kg
108-88-3	Toluene	5.9	U	0.76	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.9	U	0.93	5.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.9	U	0.85	5.9	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-5.5	SDG No.:	C5022
Lab Sample ID:	C5022-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002031.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.9	U	1.1	5.9	ug/Kg
591-78-6	2-Hexanone	30	U	4.6	30	ug/Kg
124-48-1	Dibromochloromethane	5.9	U	0.64	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	5.9	U	0.76	5.9	ug/Kg
127-18-4	Tetrachloroethene	6.4		1.2	5.9	ug/Kg
108-90-7	Chlorobenzene	5.9	U	0.59	5.9	ug/Kg
100-41-4	Ethyl Benzene	5.9	U	0.73	5.9	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.85	12	ug/Kg
95-47-6	o-Xylene	3.1	J	0.8	5.9	ug/Kg
100-42-5	Styrene	5.9	U	0.53	5.9	ug/Kg
75-25-2	Bromoform	5.9	U	0.87	5.9	ug/Kg
98-82-8	Isopropylbenzene	5.9	U	0.57	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U	0.54	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.9	U	0.44	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.9	U	0.48	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.9	U	0.73	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U	1	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.9	U	0.83	5.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		56 - 120	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52		57 - 135	104%	SPK: 50
2037-26-5	Toluene-d8	54.9		67 - 123	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	66.6		33 - 141	133%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	579276	8.04			
540-36-3	1,4-Difluorobenzene	1044190	8.95			
3114-55-4	Chlorobenzene-d5	701043	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	433689	13.63			
TENTATIVE IDENTIFIED COMPOUNDS						
000096-14-0	Pentane, 3-methyl-	450	J		5.36	ug/Kg
000110-54-3	Hexane	370	J		5.91	ug/Kg
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	360	J		11.53	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-5.5	SDG No.:	C5022
Lab Sample ID:	C5022-06	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.1 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002031.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000111-84-2	Nonane	700	J		11.94	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	440	J		12.35	ug/Kg
014676-29-0	Heptane, 3-ethyl-2-methyl-	600	J		12.45	ug/Kg
074421-20-8	Hexane, 1-(hexyloxy)-4-methyl-	280	J		12.6	ug/Kg
017301-94-9	Nonane, 4-methyl-	340	J		12.63	ug/Kg
000124-18-5	Decane	410	J		13.03	ug/Kg
001120-21-4	Undecane	370	J		13.97	ug/Kg

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-5.5RE	SDG No.:	C5022
Lab Sample ID:	C5022-06RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002098.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6	U	0.78	6	ug/Kg
74-87-3	Chloromethane	6	U	1	6	ug/Kg
75-01-4	Vinyl Chloride	6	U	1.5	6	ug/Kg
74-83-9	Bromomethane	6	U	2.9	6	ug/Kg
75-00-3	Chloroethane	6	U	1.7	6	ug/Kg
75-69-4	Trichlorofluoromethane	6	U	1.6	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	6	U	1.6	6	ug/Kg
75-35-4	1,1-Dichloroethene	6	U	1.8	6	ug/Kg
67-64-1	Acetone	110		3.6	30	ug/Kg
75-15-0	Carbon Disulfide	6	U	1.3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	6	U	1.2	6	ug/Kg
79-20-9	Methyl Acetate	6	U	1.8	6	ug/Kg
75-09-2	Methylene Chloride	6	U	1.7	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	6	U	0.83	6	ug/Kg
75-34-3	1,1-Dichloroethane	6	U	1.1	6	ug/Kg
110-82-7	Cyclohexane	6	U	1.2	6	ug/Kg
78-93-3	2-Butanone	30	U	3.7	30	ug/Kg
56-23-5	Carbon Tetrachloride	6	U	1.2	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	6	U	1.1	6	ug/Kg
67-66-3	Chloroform	6	U	0.89	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	8.1		1.1	6	ug/Kg
108-87-2	Methylcyclohexane	6	U	1.3	6	ug/Kg
71-43-2	Benzene	6	U	0.46	6	ug/Kg
107-06-2	1,2-Dichloroethane	6	U	0.77	6	ug/Kg
79-01-6	Trichloroethene	6	U	1	6	ug/Kg
78-87-5	1,2-Dichloropropane	6	U	0.31	6	ug/Kg
75-27-4	Bromodichloromethane	6	U	0.74	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	30	U	3.5	30	ug/Kg
108-88-3	Toluene	6	U	0.77	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	6	U	0.95	6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	6	U	0.86	6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-5.5RE	SDG No.:	C5022
Lab Sample ID:	C5022-06RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002098.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	6	U	1.1	6	ug/Kg
591-78-6	2-Hexanone	30	U	4.7	30	ug/Kg
124-48-1	Dibromochloromethane	6	U	0.65	6	ug/Kg
106-93-4	1,2-Dibromoethane	6	U	0.77	6	ug/Kg
127-18-4	Tetrachloroethene	4.5	J	1.2	6	ug/Kg
108-90-7	Chlorobenzene	6	U	0.6	6	ug/Kg
100-41-4	Ethyl Benzene	6	U	0.74	6	ug/Kg
179601-23-1	m/p-Xylenes	12	U	0.86	12	ug/Kg
95-47-6	o-Xylene	2.8	J	0.82	6	ug/Kg
100-42-5	Styrene	6	U	0.54	6	ug/Kg
75-25-2	Bromoform	6	U	0.89	6	ug/Kg
98-82-8	Isopropylbenzene	6	U	0.58	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	6	U	0.55	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	6	U	0.44	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	6	U	0.49	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	6	U	0.74	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	6	U	1	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6	U	0.84	6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.6		56 - 120	81%	SPK: 50
1868-53-7	Dibromofluoromethane	40.6		57 - 135	81%	SPK: 50
2037-26-5	Toluene-d8	42.9		67 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		33 - 141	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304659	8.05			
540-36-3	1,4-Difluorobenzene	538682	8.95			
3114-55-4	Chlorobenzene-d5	359295	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	194342	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-26-5.5RE	SDG No.:	C5022
Lab Sample ID:	C5022-06RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	17
Sample Wt/Vol:	5.02	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002098.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-3.5	SDG No.:	C5022
Lab Sample ID:	C5022-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002032.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.3	U	0.69	5.3	ug/Kg
74-87-3	Chloromethane	5.3	U	0.91	5.3	ug/Kg
75-01-4	Vinyl Chloride	5.3	U	1.3	5.3	ug/Kg
74-83-9	Bromomethane	5.3	U	2.6	5.3	ug/Kg
75-00-3	Chloroethane	5.3	U	1.5	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	5.3	U	1.4	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.3	U	1.4	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	7.4		1.6	5.3	ug/Kg
67-64-1	Acetone	72		3.2	27	ug/Kg
75-15-0	Carbon Disulfide	5.3	U	1.1	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.3	U	1	5.3	ug/Kg
79-20-9	Methyl Acetate	5.3	U	1.6	5.3	ug/Kg
75-09-2	Methylene Chloride	2.6	J	1.5	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.3	U	0.73	5.3	ug/Kg
75-34-3	1,1-Dichloroethane	8		1	5.3	ug/Kg
110-82-7	Cyclohexane	5.3	U	1.1	5.3	ug/Kg
78-93-3	2-Butanone	27	U	3.3	27	ug/Kg
56-23-5	Carbon Tetrachloride	5.3	U	1.1	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.3	U	0.95	5.3	ug/Kg
67-66-3	Chloroform	5.3	U	0.79	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	460	E	0.94	5.3	ug/Kg
108-87-2	Methylcyclohexane	5.3	U	1.1	5.3	ug/Kg
71-43-2	Benzene	5.3	U	0.4	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	5.3	U	0.68	5.3	ug/Kg
79-01-6	Trichloroethene	25		0.91	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	5.3	U	0.28	5.3	ug/Kg
75-27-4	Bromodichloromethane	5.3	U	0.66	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	27	U	3.1	27	ug/Kg
108-88-3	Toluene	5.3	U	0.68	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.3	U	0.84	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.3	U	0.77	5.3	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-3.5	SDG No.:	C5022
Lab Sample ID:	C5022-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002032.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.3	U	0.96	5.3	ug/Kg
591-78-6	2-Hexanone	27	U	4.2	27	ug/Kg
124-48-1	Dibromochloromethane	5.3	U	0.57	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	5.3	U	0.68	5.3	ug/Kg
127-18-4	Tetrachloroethene	310	E	1.1	5.3	ug/Kg
108-90-7	Chlorobenzene	5.3	U	0.53	5.3	ug/Kg
100-41-4	Ethyl Benzene	5.3	U	0.66	5.3	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.77	11	ug/Kg
95-47-6	o-Xylene	5.3	U	0.72	5.3	ug/Kg
100-42-5	Styrene	5.3	U	0.48	5.3	ug/Kg
75-25-2	Bromoform	5.3	U	0.79	5.3	ug/Kg
98-82-8	Isopropylbenzene	5.3	U	0.51	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	0.49	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.3	U	0.39	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.3	U	0.44	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.3	U	0.66	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	0.92	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.3	U	0.74	5.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		56 - 120	117%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		57 - 135	115%	SPK: 50
2037-26-5	Toluene-d8	44.4		67 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	19.3		33 - 141	39%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	672593	8.05			
540-36-3	1,4-Difluorobenzene	1227210	8.95			
3114-55-4	Chlorobenzene-d5	530188	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	109700	13.63			
TENTATIVE IDENTIFIED COMPOUNDS						
001120-21-4	Undecane	19	J		13.96	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-3.5	SDG No.:	C5022
Lab Sample ID:	C5022-07	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	5.06	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002032.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-3.5DL	SDG No.:	C5022
Lab Sample ID:	C5022-07DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	1.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002096.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	26	U	3.4	26	ug/Kg
74-87-3	Chloromethane	26	U	4.5	26	ug/Kg
75-01-4	Vinyl Chloride	26	U	6.5	26	ug/Kg
74-83-9	Bromomethane	26	U	13	26	ug/Kg
75-00-3	Chloroethane	26	U	7.4	26	ug/Kg
75-69-4	Trichlorofluoromethane	26	U	7	26	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	26	U	7	26	ug/Kg
75-35-4	1,1-Dichloroethene	26	U	7.7	26	ug/Kg
67-64-1	Acetone	240	D	16	130	ug/Kg
75-15-0	Carbon Disulfide	26	U	5.6	26	ug/Kg
1634-04-4	Methyl tert-butyl Ether	26	U	5.1	26	ug/Kg
79-20-9	Methyl Acetate	26	U	8	26	ug/Kg
75-09-2	Methylene Chloride	16	JD	7.5	26	ug/Kg
156-60-5	trans-1,2-Dichloroethene	26	U	3.6	26	ug/Kg
75-34-3	1,1-Dichloroethane	26	U	5	26	ug/Kg
110-82-7	Cyclohexane	26	U	5.3	26	ug/Kg
78-93-3	2-Butanone	130	U	16	130	ug/Kg
56-23-5	Carbon Tetrachloride	26	U	5.2	26	ug/Kg
156-59-2	cis-1,2-Dichloroethene	26	U	4.7	26	ug/Kg
67-66-3	Chloroform	26	U	3.9	26	ug/Kg
71-55-6	1,1,1-Trichloroethane	540	D	4.6	26	ug/Kg
108-87-2	Methylcyclohexane	26	U	5.6	26	ug/Kg
71-43-2	Benzene	26	U	2	26	ug/Kg
107-06-2	1,2-Dichloroethane	26	U	3.4	26	ug/Kg
79-01-6	Trichloroethene	35	D	4.5	26	ug/Kg
78-87-5	1,2-Dichloropropane	26	U	1.4	26	ug/Kg
75-27-4	Bromodichloromethane	26	U	3.3	26	ug/Kg
108-10-1	4-Methyl-2-Pentanone	130	U	15	130	ug/Kg
108-88-3	Toluene	26	U	3.4	26	ug/Kg
10061-02-6	t-1,3-Dichloropropene	26	U	4.2	26	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	26	U	3.8	26	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-3.5DL	SDG No.:	C5022
Lab Sample ID:	C5022-07DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	1.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002096.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	26	U	4.7	26	ug/Kg
591-78-6	2-Hexanone	130	U	21	130	ug/Kg
124-48-1	Dibromochloromethane	26	U	2.8	26	ug/Kg
106-93-4	1,2-Dibromoethane	26	U	3.4	26	ug/Kg
127-18-4	Tetrachloroethene	340	D	5.3	26	ug/Kg
108-90-7	Chlorobenzene	26	U	2.6	26	ug/Kg
100-41-4	Ethyl Benzene	26	U	3.3	26	ug/Kg
179601-23-1	m/p-Xylenes	53	U	3.8	53	ug/Kg
95-47-6	o-Xylene	26	U	3.6	26	ug/Kg
100-42-5	Styrene	26	U	2.4	26	ug/Kg
75-25-2	Bromoform	26	U	3.9	26	ug/Kg
98-82-8	Isopropylbenzene	26	U	2.5	26	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	26	U	2.4	26	ug/Kg
541-73-1	1,3-Dichlorobenzene	26	U	2	26	ug/Kg
106-46-7	1,4-Dichlorobenzene	26	U	2.2	26	ug/Kg
95-50-1	1,2-Dichlorobenzene	26	U	3.3	26	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	26	U	4.6	26	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	26	U	3.7	26	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.3		56 - 120	83%	SPK: 50
1868-53-7	Dibromofluoromethane	41.9		57 - 135	84%	SPK: 50
2037-26-5	Toluene-d8	39		67 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.1		33 - 141	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	574378	8.04			
540-36-3	1,4-Difluorobenzene	1011450	8.95			
3114-55-4	Chlorobenzene-d5	562819	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	177781	13.63			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-3.5DL	SDG No.:	C5022
Lab Sample ID:	C5022-07DL	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	7
Sample Wt/Vol:	1.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002096.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-5.5	SDG No.:	C5022
Lab Sample ID:	C5022-08	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002033.D	1		12/23/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.5	U	0.72	5.5	ug/Kg
74-87-3	Chloromethane	5.5	U	0.95	5.5	ug/Kg
75-01-4	Vinyl Chloride	5.5	U	1.4	5.5	ug/Kg
74-83-9	Bromomethane	5.5	U	2.7	5.5	ug/Kg
75-00-3	Chloroethane	5.5	U	1.5	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	5.5	U	1.5	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.5	U	1.5	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	5.5	U	1.6	5.5	ug/Kg
67-64-1	Acetone	37		3.3	28	ug/Kg
75-15-0	Carbon Disulfide	5.5	U	1.2	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.5	U	1.1	5.5	ug/Kg
79-20-9	Methyl Acetate	5.5	U	1.7	5.5	ug/Kg
75-09-2	Methylene Chloride	5.5	U	1.6	5.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.5	U	0.76	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	5.5	U	1	5.5	ug/Kg
110-82-7	Cyclohexane	5.5	U	1.1	5.5	ug/Kg
78-93-3	2-Butanone	28	U	3.4	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.5	U	1.1	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.5	U	0.98	5.5	ug/Kg
67-66-3	Chloroform	5.5	U	0.82	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.8		0.97	5.5	ug/Kg
108-87-2	Methylcyclohexane	5.5	U	1.2	5.5	ug/Kg
71-43-2	Benzene	5.5	U	0.42	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	5.5	U	0.71	5.5	ug/Kg
79-01-6	Trichloroethene	5.5	U	0.95	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	5.5	U	0.29	5.5	ug/Kg
75-27-4	Bromodichloromethane	5.5	U	0.69	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.2	28	ug/Kg
108-88-3	Toluene	5.5	U	0.71	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.5	U	0.87	5.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.5	U	0.8	5.5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-5.5	SDG No.:	C5022
Lab Sample ID:	C5022-08	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.97 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002033.D	1		12/23/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.5	U	0.99	5.5	ug/Kg
591-78-6	2-Hexanone	28	U	4.3	28	ug/Kg
124-48-1	Dibromochloromethane	5.5	U	0.6	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	5.5	U	0.71	5.5	ug/Kg
127-18-4	Tetrachloroethene	8.4		1.1	5.5	ug/Kg
108-90-7	Chlorobenzene	5.5	U	0.55	5.5	ug/Kg
100-41-4	Ethyl Benzene	5.5	U	0.69	5.5	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.8	11	ug/Kg
95-47-6	o-Xylene	5.5	U	0.75	5.5	ug/Kg
100-42-5	Styrene	5.5	U	0.5	5.5	ug/Kg
75-25-2	Bromoform	5.5	U	0.82	5.5	ug/Kg
98-82-8	Isopropylbenzene	5.5	U	0.53	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	0.51	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.5	U	0.41	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.5	U	0.45	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.5	U	0.69	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	0.96	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.5	U	0.77	5.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		56 - 120	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		57 - 135	103%	SPK: 50
2037-26-5	Toluene-d8	47.8		67 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.3		33 - 141	59%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	237882	8.05			
540-36-3	1,4-Difluorobenzene	420022	8.95			
3114-55-4	Chlorobenzene-d5	221473	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	63492	13.63			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-5.5	SDG No.:	C5022
Lab Sample ID:	C5022-08	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.97	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
ID :	0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002033.D	1		12/23/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-5.5RE	SDG No.:	C5022
Lab Sample ID:	C5022-08RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002097.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.6	U	0.72	5.6	ug/Kg
74-87-3	Chloromethane	5.6	U	0.95	5.6	ug/Kg
75-01-4	Vinyl Chloride	5.6	U	1.4	5.6	ug/Kg
74-83-9	Bromomethane	5.6	U	2.7	5.6	ug/Kg
75-00-3	Chloroethane	5.6	U	1.6	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	5.6	U	1.5	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.6	U	1.5	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	5.6	U	1.6	5.6	ug/Kg
67-64-1	Acetone	100		3.4	28	ug/Kg
75-15-0	Carbon Disulfide	5.6	U	1.2	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.6	U	1.1	5.6	ug/Kg
79-20-9	Methyl Acetate	5.6	U	1.7	5.6	ug/Kg
75-09-2	Methylene Chloride	5.5	J	1.6	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.6	U	0.77	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	5.6	U	1	5.6	ug/Kg
110-82-7	Cyclohexane	5.6	U	1.1	5.6	ug/Kg
78-93-3	2-Butanone	28	U	3.5	28	ug/Kg
56-23-5	Carbon Tetrachloride	5.6	U	1.1	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.6	U	0.99	5.6	ug/Kg
67-66-3	Chloroform	5.6	U	0.82	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	13		0.98	5.6	ug/Kg
108-87-2	Methylcyclohexane	5.6	U	1.2	5.6	ug/Kg
71-43-2	Benzene	5.6	U	0.42	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	5.6	U	0.71	5.6	ug/Kg
79-01-6	Trichloroethene	5.6	U	0.95	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	5.6	U	0.29	5.6	ug/Kg
75-27-4	Bromodichloromethane	5.6	U	0.69	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	28	U	3.2	28	ug/Kg
108-88-3	Toluene	5.6	U	0.71	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5.6	U	0.88	5.6	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.6	U	0.8	5.6	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-5.5RE	SDG No.:	C5022
Lab Sample ID:	C5022-08RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002097.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5.6	U	1	5.6	ug/Kg
591-78-6	2-Hexanone	28	U	4.4	28	ug/Kg
124-48-1	Dibromochloromethane	5.6	U	0.6	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	5.6	U	0.71	5.6	ug/Kg
127-18-4	Tetrachloroethene	7.5		1.1	5.6	ug/Kg
108-90-7	Chlorobenzene	5.6	U	0.56	5.6	ug/Kg
100-41-4	Ethyl Benzene	5.6	U	0.69	5.6	ug/Kg
179601-23-1	m/p-Xylenes	11	U	0.8	11	ug/Kg
95-47-6	o-Xylene	5.6	U	0.75	5.6	ug/Kg
100-42-5	Styrene	5.6	U	0.5	5.6	ug/Kg
75-25-2	Bromoform	5.6	U	0.82	5.6	ug/Kg
98-82-8	Isopropylbenzene	5.6	U	0.53	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	0.51	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.6	U	0.41	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.6	U	0.46	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.6	U	0.69	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	0.97	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.6	U	0.78	5.6	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.4		56 - 120	87%	SPK: 50
1868-53-7	Dibromofluoromethane	41.4		57 - 135	83%	SPK: 50
2037-26-5	Toluene-d8	37		67 - 123	74%	SPK: 50
460-00-4	4-Bromofluorobenzene	21.3		33 - 141	43%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	542263	8.04			
540-36-3	1,4-Difluorobenzene	1009330	8.95			
3114-55-4	Chlorobenzene-d5	469671	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	96452	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	12/14/11
Project:	Chemical Sales site	Date Received:	12/16/11
Client Sample ID:	SB-27-5.5RE	SDG No.:	C5022
Lab Sample ID:	C5022-08RE	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	9
Sample Wt/Vol:	4.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002097.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Hit Summary Sheet

SW-846

SDG No.: C5022

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SB-24-1.0							
C5022-01	SB-24-1.0	SOIL	Acetone	62.00		26	3.2	ug/Kg
C5022-01	SB-24-1.0	SOIL	Methylene Chloride	3.50	J	5.3	1.5	ug/Kg
C5022-01	SB-24-1.0	SOIL	cis-1,2-Dichloroethene	3.90	J	5.3	0.94	ug/Kg
C5022-01	SB-24-1.0	SOIL	1,1,1-Trichloroethane	24.00		5.3	0.93	ug/Kg
C5022-01	SB-24-1.0	SOIL	Trichloroethene	36.00		5.3	0.91	ug/Kg
C5022-01	SB-24-1.0	SOIL	Tetrachloroethene	3.10	J	5.3	1.1	ug/Kg
			Total Voc :			132.50		
C5022-01	SB-24-1.0	SOIL	Hexane	* 21.00	J	0	0	ug/Kg
			Total Tics :			21.00		
			Total Concentration:			153.50		
Client ID:	SB-24-5.0							
C5022-02	SB-24-5.0	SOIL	1,1-Dichloroethene	55.00		5.7	1.7	ug/Kg
C5022-02	SB-24-5.0	SOIL	Acetone	12.00	J	28	3.4	ug/Kg
C5022-02	SB-24-5.0	SOIL	Methylene Chloride	2.30	J	5.7	1.6	ug/Kg
C5022-02	SB-24-5.0	SOIL	trans-1,2-Dichloroethene	3.00	J	5.7	0.79	ug/Kg
C5022-02	SB-24-5.0	SOIL	1,1-Dichloroethane	150.00		5.7	1.1	ug/Kg
C5022-02	SB-24-5.0	SOIL	cis-1,2-Dichloroethene	250.00	E	5.7	1.0	ug/Kg
C5022-02	SB-24-5.0	SOIL	1,1,1-Trichloroethane	2,900.00	E	5.7	1.0	ug/Kg
C5022-02	SB-24-5.0	SOIL	Trichloroethene	56.00		5.7	0.98	ug/Kg
C5022-02	SB-24-5.0	SOIL	Tetrachloroethene	5.40	J	5.7	1.2	ug/Kg
			Total Voc :			3,433.70		
			Total Concentration:			3,433.70		
Client ID:	SB-24-5.0DL							
C5022-02DL	SB-24-5.0DL	SOIL	1,1,1-Trichloroethane	3,500.00	D	550	44	ug/Kg
			Total Voc :			3,500.00		
			Total Concentration:			3,500.00		
Client ID:	SB-25-3.5							
C5022-03	SB-25-3.5	SOIL	1,1-Dichloroethene	65.00		6.4	1.9	ug/Kg
C5022-03	SB-25-3.5	SOIL	Acetone	12.00	J	32	3.8	ug/Kg
C5022-03	SB-25-3.5	SOIL	Methylene Chloride	2.80	J	6.4	1.8	ug/Kg
C5022-03	SB-25-3.5	SOIL	trans-1,2-Dichloroethene	3.30	J	6.4	0.88	ug/Kg
C5022-03	SB-25-3.5	SOIL	1,1-Dichloroethane	150.00		6.4	1.2	ug/Kg
C5022-03	SB-25-3.5	SOIL	cis-1,2-Dichloroethene	250.00		6.4	1.1	ug/Kg
C5022-03	SB-25-3.5	SOIL	1,1,1-Trichloroethane	3,000.00	E	6.4	1.1	ug/Kg
C5022-03	SB-25-3.5	SOIL	Trichloroethene	59.00		6.4	1.1	ug/Kg
C5022-03	SB-25-3.5	SOIL	Tetrachloroethene	6.10	J	6.4	1.3	ug/Kg
			Total Voc :			3,548.20		
			Total Concentration:			3,548.20		
Client ID:	SB-25-3.5DL							

Hit Summary Sheet

SW-846

SDG No.: C5022

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
C5022-03DL	SB-25-3.5DL	SOIL	1,1-Dichloroethane	2,100.00	D	640	46	ug/Kg
C5022-03DL	SB-25-3.5DL	SOIL	cis-1,2-Dichloroethene	15,000.00	D	640	45	ug/Kg
C5022-03DL	SB-25-3.5DL	SOIL	1,1,1-Trichloroethane	2,800.00	D	640	52	ug/Kg
C5022-03DL	SB-25-3.5DL	SOIL	Trichloroethene	6,200.00	D	640	36	ug/Kg
C5022-03DL	SB-25-3.5DL	SOIL	Tetrachloroethene	5,300.00	D	640	35	ug/Kg
Total Voc :						31,400.00		
Total Concentration:						31,400.00		
Client ID:	SB-25-6.0							
C5022-04	SB-25-6.0	SOIL	Acetone	39.00		30	3.7	ug/Kg
C5022-04	SB-25-6.0	SOIL	trans-1,2-Dichloroethene	10.00		6.0	0.83	ug/Kg
C5022-04	SB-25-6.0	SOIL	1,1-Dichloroethane	28.00		6.0	1.1	ug/Kg
C5022-04	SB-25-6.0	SOIL	cis-1,2-Dichloroethene	440.00	E	6.0	1.1	ug/Kg
C5022-04	SB-25-6.0	SOIL	1,1,1-Trichloroethane	30.00		6.0	1.1	ug/Kg
C5022-04	SB-25-6.0	SOIL	Trichloroethene	48.00		6.0	1.0	ug/Kg
C5022-04	SB-25-6.0	SOIL	Tetrachloroethene	81.00		6.0	1.2	ug/Kg
Total Voc :						676.00		
Total Concentration:						676.00		
Client ID:	SB-25-6.0DL							
C5022-04DL	SB-25-6.0DL	SOIL	Acetone	390.00	D	150	18	ug/Kg
C5022-04DL	SB-25-6.0DL	SOIL	Methylene Chloride	21.00	JD	29	8.4	ug/Kg
C5022-04DL	SB-25-6.0DL	SOIL	cis-1,2-Dichloroethene	7.60	JD	29	5.2	ug/Kg
Total Voc :						418.60		
Total Concentration:						418.60		
Client ID:	SB-26-1.0							
C5022-05	SB-26-1.0	SOIL	Acetone	64.00		28	3.3	ug/Kg
C5022-05	SB-26-1.0	SOIL	Methylene Chloride	3.80	J	5.5	1.6	ug/Kg
C5022-05	SB-26-1.0	SOIL	cis-1,2-Dichloroethene	14.00		5.5	0.99	ug/Kg
C5022-05	SB-26-1.0	SOIL	1,1,1-Trichloroethane	110.00		5.5	0.98	ug/Kg
C5022-05	SB-26-1.0	SOIL	Trichloroethene	76.00		5.5	0.95	ug/Kg
C5022-05	SB-26-1.0	SOIL	Tetrachloroethene	270.00	E	5.5	1.1	ug/Kg
Total Voc :						537.80		
Total Concentration:						537.80		
Client ID:	SB-26-1.0DL							
C5022-05DL	SB-26-1.0DL	SOIL	Tetrachloroethene	180.00	JD	550	30	ug/Kg
Total Voc :						180.00		
Total Concentration:						180.00		
Client ID:	SB-26-5.5							
C5022-06	SB-26-5.5	SOIL	Acetone	25.00	J	30	3.6	ug/Kg
C5022-06	SB-26-5.5	SOIL	1,1-Dichloroethane	3.20	J	5.9	1.1	ug/Kg
C5022-06	SB-26-5.5	SOIL	Cyclohexane	8.10		5.9	1.2	ug/Kg
C5022-06	SB-26-5.5	SOIL	1,1,1-Trichloroethane	16.00		5.9	1.0	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: C5022

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
C5022-06	SB-26-5.5	SOIL	Tetrachloroethene	6.40		5.9	1.2	ug/Kg
C5022-06	SB-26-5.5	SOIL	o-Xylene	3.10	J	5.9	0.80	ug/Kg
Total Voc :					61.80			
C5022-06	SB-26-5.5	SOIL	Pentane, 3-methyl-	* 450.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Hexane	* 370.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Nonane	* 700.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Decane	* 410.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Undecane	* 370.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Octane, 2,6-dimethyl-	* 440.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Cyclohexane, 1,2,4-trimethyl-, (1	* 360.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Heptane, 3-ethyl-2-methyl-	* 600.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Nonane, 4-methyl-	* 340.00	J	0	0	ug/Kg
C5022-06	SB-26-5.5	SOIL	Hexane, 1-(hexyloxy)-4-methyl-	* 280.00	J	0	0	ug/Kg
Total Tics :					4,320.00			
Total Concentration:					4,381.80			
Client ID:	SB-26-5.5RE							
C5022-06RE	SB-26-5.5RE	SOIL	Acetone	110.00		30	3.6	ug/Kg
C5022-06RE	SB-26-5.5RE	SOIL	1,1,1-Trichloroethane	8.10		6.0	1.1	ug/Kg
C5022-06RE	SB-26-5.5RE	SOIL	Tetrachloroethene	4.50	J	6.0	1.2	ug/Kg
C5022-06RE	SB-26-5.5RE	SOIL	o-Xylene	2.80	J	6.0	0.82	ug/Kg
Total Voc :					125.40			
Total Concentration:					125.40			
Client ID:	SB-27-3.5							
C5022-07	SB-27-3.5	SOIL	1,1-Dichloroethene	7.40		5.3	1.6	ug/Kg
C5022-07	SB-27-3.5	SOIL	Acetone	72.00		27	3.2	ug/Kg
C5022-07	SB-27-3.5	SOIL	Methylene Chloride	2.60	J	5.3	1.5	ug/Kg
C5022-07	SB-27-3.5	SOIL	1,1-Dichloroethane	8.00		5.3	1.0	ug/Kg
C5022-07	SB-27-3.5	SOIL	1,1,1-Trichloroethane	460.00	E	5.3	0.94	ug/Kg
C5022-07	SB-27-3.5	SOIL	Trichloroethene	25.00		5.3	0.91	ug/Kg
C5022-07	SB-27-3.5	SOIL	Tetrachloroethene	310.00	E	5.3	1.1	ug/Kg
Total Voc :					885.00			
C5022-07	SB-27-3.5	SOIL	Undecane	* 19.00	J	0	0	ug/Kg
Total Tics :					19.00			
Total Concentration:					904.00			
Client ID:	SB-27-3.5DL							
C5022-07DL	SB-27-3.5DL	SOIL	Acetone	240.00	D	130	16	ug/Kg
C5022-07DL	SB-27-3.5DL	SOIL	Methylene Chloride	16.00	JD	26	7.5	ug/Kg
C5022-07DL	SB-27-3.5DL	SOIL	1,1,1-Trichloroethane	540.00	D	26	4.6	ug/Kg
C5022-07DL	SB-27-3.5DL	SOIL	Trichloroethene	35.00	D	26	4.5	ug/Kg
C5022-07DL	SB-27-3.5DL	SOIL	Tetrachloroethene	340.00	D	26	5.3	ug/Kg



Hit Summary Sheet
SW-846

SDG No.: C5022

Client: Arcadis Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Total Voc :					1,171.00			
Total Concentration:					1,171.00			
Client ID:	SB-27-5.5							
C5022-08	SB-27-5.5	SOIL	Acetone	37.00		28	3.3	ug/Kg
C5022-08	SB-27-5.5	SOIL	1,1,1-Trichloroethane	5.80		5.5	0.97	ug/Kg
C5022-08	SB-27-5.5	SOIL	Tetrachloroethene	8.40		5.5	1.1	ug/Kg
Total Voc :					51.20			
Total Concentration:					51.20			
Client ID:	SB-27-5.5RE							
C5022-08RE	SB-27-5.5RE	SOIL	Acetone	100.00		28	3.4	ug/Kg
C5022-08RE	SB-27-5.5RE	SOIL	Methylene Chloride	5.50	J	5.6	1.6	ug/Kg
C5022-08RE	SB-27-5.5RE	SOIL	1,1,1-Trichloroethane	13.00		5.6	0.98	ug/Kg
C5022-08RE	SB-27-5.5RE	SOIL	Tetrachloroethene	7.50		5.6	1.1	ug/Kg
Total Voc :					126.00			
Total Concentration:					126.00			



Surrogate Summary

SW-846

SDG No.: C5022

Client: Arcadis Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
BST1222S1	BST1222S1	1,2-Dichloroethane-d4	50	45.56	91		55	158
		Dibromofluoromethane	50	49.12	98		53	156
		Toluene-d8	50	50.42	101		85	115
		4-Bromofluorobenzene	50	38.87	78	*	85	120
BST1223S4	BST1223S4	1,2-Dichloroethane-d4	50	54.47	109		56	120
		Dibromofluoromethane	50	50.87	102		57	135
		Toluene-d8	50	49.9	100		67	123
		4-Bromofluorobenzene	50	44.9	90		33	141
C5022-01	SB-24-1.0	1,2-Dichloroethane-d4	50	44.16	88		56	120
		Dibromofluoromethane	50	40.92	82		57	135
		Toluene-d8	50	41.15	82		67	123
		4-Bromofluorobenzene	50	40.48	81		33	141
C5022-01MS	SB-24-1.0MS	1,2-Dichloroethane-d4	50	48.47	97		55	158
		Dibromofluoromethane	50	50.03	100		53	156
		Toluene-d8	50	48.98	98		85	115
		4-Bromofluorobenzene	50	34.85	70	*	85	120
C5022-01MSD	SB-24-1.0MSD	1,2-Dichloroethane-d4	50	56.71	113		55	158
		Dibromofluoromethane	50	55.76	112		53	156
		Toluene-d8	50	53.76	108		85	115
		4-Bromofluorobenzene	50	36.49	73	*	85	120
C5022-02	SB-24-5.0	1,2-Dichloroethane-d4	50	53.14	106		56	120
		Dibromofluoromethane	50	57.52	115		57	135
		Toluene-d8	50	49.42	99		67	123
		4-Bromofluorobenzene	50	28.13	56		33	141
C5022-03	SB-25-3.5	1,2-Dichloroethane-d4	50	52.03	104		56	120
		Dibromofluoromethane	50	56.38	113		57	135
		Toluene-d8	50	49.5	99		67	123
		4-Bromofluorobenzene	50	27.11	54		33	141
C5022-04	SB-25-6.0	1,2-Dichloroethane-d4	50	52.18	104		56	120
		Dibromofluoromethane	50	52.11	104		57	135
		Toluene-d8	50	51.7	103		67	123
		4-Bromofluorobenzene	50	31.04	62		33	141
C5022-04DL	SB-25-6.0DL	1,2-Dichloroethane-d4	50	40.4	81		56	120
		Dibromofluoromethane	50	38.62	77		57	135
		Toluene-d8	50	42.04	84		67	123
		4-Bromofluorobenzene	50	40.39	81		33	141
C5022-05	SB-26-1.0	1,2-Dichloroethane-d4	50	44.52	89		56	120
		Dibromofluoromethane	50	42.14	84		57	135
		Toluene-d8	50	39.39	79		67	123
		4-Bromofluorobenzene	50	27.36	55		33	141
C5022-06	SB-26-5.5	1,2-Dichloroethane-d4	50	54.56	109		56	120
		Dibromofluoromethane	50	51.97	104		57	135
		Toluene-d8	50	54.92	110		67	123
		4-Bromofluorobenzene	50	66.59	133		33	141
C5022-06RE	SB-26-5.5RE	1,2-Dichloroethane-d4	50	40.62	81		56	120
		Dibromofluoromethane	50	40.62	81		57	135
		Toluene-d8	50	42.91	86		67	123
		4-Bromofluorobenzene	50	56.38	113		33	141
C5022-07	SB-27-3.5	1,2-Dichloroethane-d4	50	58.42	117		56	120
		Dibromofluoromethane	50	57.28	115		57	135
		Toluene-d8	50	44.41	89		67	123
		4-Bromofluorobenzene	50	19.29	39		33	141



Surrogate Summary
SW-846

SDG No.: C5022

Client: Arcadis Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
C5022-07DL	SB-27-3.5DL	1,2-Dichloroethane-d4	50	41.34	83		56	120
		Dibromofluoromethane	50	41.92	84		57	135
		Toluene-d8	50	39.04	78		67	123
		4-Bromofluorobenzene	50	31.12	62		33	141
C5022-08	SB-27-5.5	1,2-Dichloroethane-d4	50	53.2	106		56	120
		Dibromofluoromethane	50	51.44	103		57	135
		Toluene-d8	50	47.77	96		67	123
		4-Bromofluorobenzene	50	29.32	59		33	141
C5022-08RE	SB-27-5.5RE	1,2-Dichloroethane-d4	50	43.37	87		56	120
		Dibromofluoromethane	50	41.4	83		57	135
		Toluene-d8	50	37.03	74		67	123
		4-Bromofluorobenzene	50	21.27	43		33	141
VBT1222S1	VBT1222S1	1,2-Dichloroethane-d4	50	55.35	111		55	158
		Dibromofluoromethane	50	49.35	99		53	156
		Toluene-d8	50	53.3	107		85	115
		4-Bromofluorobenzene	50	45.86	92		85	120
VBT1223S2	VBT1223S2	1,2-Dichloroethane-d4	50	56.92	114		56	120
		Dibromofluoromethane	50	49.77	100		57	135
		Toluene-d8	50	47.86	96		67	123
		4-Bromofluorobenzene	50	45.82	92		33	141



Surrogate Summary

SW-846

SDG No.: C5022

Client: Arcadis Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits	
							Low	High
BSH1223M1	BSH1223M1	1,2-Dichloroethane-d4	50	49.55	99		56	120
		Dibromofluoromethane	50	46.65	93		57	135
		Toluene-d8	50	46.92	94		67	123
		4-Bromofluorobenzene	50	46.02	92		33	141
BSH1227M1	BSH1227M1	1,2-Dichloroethane-d4	50	46.18	92		55	158
		Dibromofluoromethane	50	41.15	82		53	156
		Toluene-d8	50	46.35	93		85	115
		4-Bromofluorobenzene	50	44.57	89		85	120
C5022-02DL	SB-24-5.0DL	1,2-Dichloroethane-d4	50	50.11	100		56	120
		Dibromofluoromethane	50	48.22	96		57	135
		Toluene-d8	50	52.11	104		67	123
		4-Bromofluorobenzene	50	47.28	95		33	141
C5022-03DL	SB-25-3.5DL	1,2-Dichloroethane-d4	50	47.98	96		56	120
		Dibromofluoromethane	50	44.59	89		57	135
		Toluene-d8	50	49.83	100		67	123
		4-Bromofluorobenzene	50	46.84	94		33	141
C5022-05DL	SB-26-1.0DL	1,2-Dichloroethane-d4	50	47.92	96		56	120
		Dibromofluoromethane	50	45.6	91		57	135
		Toluene-d8	50	53.5	107		67	123
		4-Bromofluorobenzene	50	46.13	92		33	141
VBH1223M1	VBH1223M1	1,2-Dichloroethane-d4	50	49.46	99		56	120
		Dibromofluoromethane	50	47.71	95		57	135
		Toluene-d8	50	52.99	106		67	123
		4-Bromofluorobenzene	50	47.87	96		33	141
VBH1227M2	VBH1227M2	1,2-Dichloroethane-d4	50	48.4	97		55	158
		Dibromofluoromethane	50	44.5	89		53	156
		Toluene-d8	50	49.27	99		85	115
		4-Bromofluorobenzene	50	46.64	93		85	120

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022Matrix Spike - EPA Sample No : C5022-01 Analytical Method: EPA SW846 8260 Datafile : VT002024.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	54	0	47	87	(42-135)
Chloromethane	54	0	44	81	(50-130)
Vinyl Chloride	54	0	45	83	(60-125)
Bromomethane	54	0	41	76	(40-154)
Chloroethane	54	0	43	80	(40-155)
Trichlorofluoromethane	54	0	46	85	(46-159)
1,1,2-Trichlorotrifluoroethane	54	0	47	87	(59-140)
1,1-Dichloroethene	54	0	50	93	(65-135)
Acetone	269	41	230	70	(31-158)
Carbon Disulfide	54	0	51	94	(45-144)
Methyl tert-butyl Ether	54	0	56	104	(56-146)
Methyl Acetate	54	0	57	106	(16-205)
Methylene Chloride	54	0	52	96	(55-140)
trans-1,2-Dichloroethene	54	0	54	100	(65-135)
1,1-Dichloroethane	54	0	55	102	(75-125)
Cyclohexane	54	0	48	89	(51-136)
2-Butanone	269	0	230	86	(40-157)
Carbon Tetrachloride	54	0	60	111	(65-135)
cis-1,2-Dichloroethene	54	3.7	56	97	(65-125)
Chloroform	54	0	54	100	(70-125)
1,1,1-Trichloroethane	54	32	64	59*	(70-135)
Methylcyclohexane	54	0	49	91	(43-133)
Benzene	54	0	58	107	(75-125)
1,2-Dichloroethane	54	0	55	102	(70-135)
Trichloroethene	54	59	71	22*	(75-125)
1,2-Dichloropropane	54	0	55	102	(70-120)
Bromodichloromethane	54	0	56	104	(70-130)
4-Methyl-2-Pentanone	269	0	280	104	(53-145)
Toluene	54	0	56	104	(70-125)
t-1,3-Dichloropropene	54	0	56	104	(65-125)
cis-1,3-Dichloropropene	54	0	57	106	(70-125)
1,1,2-Trichloroethane	54	0	53	98	(67-125)
2-Hexanone	269	0	240	89	(45-145)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022

Matrix Spike - EPA Sample No : C5022-01 Analytical Method: EPA SW846 8260 Datafile : VT002024.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dibromochloromethane	54	0	53	98	(65-130)
1,2-Dibromoethane	54	0	52	96	(70-125)
Tetrachloroethene	54	7.4	54	86	(65-140)
Chlorobenzene	54	0	57	106	(75-125)
Ethyl Benzene	54	0	58	107	(75-125)
m/p-Xylenes	108	0	110	102	(80-125)
o-Xylene	54	0	54	100	(75-125)
Styrene	54	0	51	94	(75-125)
Bromoform	54	0	49	91	(62-135)
Isopropylbenzene	54	0	65	120	(75-130)
1,1,2,2-Tetrachloroethane	54	0	62	115	(55-130)
1,3-Dichlorobenzene	54	0	55	102	(70-125)
1,4-Dichlorobenzene	54	0	54	100	(70-124)
1,2-Dichlorobenzene	54	0	55	102	(75-120)
1,2-Dibromo-3-Chloropropane	54	0	65	120	(44-135)
1,2,4-Trichlorobenzene	54	0	42	78	(65-130)

RPD : 0 Out of 49 outside limits

Spike Recovery : 2 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022Matrix Spike - EPA Sample No : C5022-01 Analytical Method: EPA SW846 8260 Datafile : VT002025.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % % (ug/Kg)		QC LIMITS	
					RPD	REC
Dichlorodifluoromethane	54	56	104	18	20	(42-135)
Chloromethane	54	50	93	14	20	(50-130)
Vinyl Chloride	54	51	94	12	20	(60-125)
Bromomethane	54	47	87	13	20	(40-154)
Chloroethane	54	48	89	11	20	(40-155)
Trichlorofluoromethane	54	51	94	10	20	(46-159)
1,1,2-Trichlorotrifluoroethane	54	51	94	8	20	(59-140)
1,1-Dichloroethene	54	58	107	14	20	(65-135)
Acetone	269	280	89	24*	20	(31-158)
Carbon Disulfide	54	57	106	12	20	(45-144)
Methyl tert-butyl Ether	54	64	119	13	20	(56-146)
Methyl Acetate	54	75	139	27*	20	(16-205)
Methylene Chloride	54	61	113	16	20	(55-140)
trans-1,2-Dichloroethene	54	63	117	16	20	(65-135)
1,1-Dichloroethane	54	64	119	15	20	(75-125)
Cyclohexane	54	52	96	8	20	(51-136)
2-Butanone	269	270	100	15	20	(40-157)
Carbon Tetrachloride	54	65	120	8	20	(65-135)
cis-1,2-Dichloroethene	54	65	114	16	20	(65-125)
Chloroform	54	63	117	16	20	(70-125)
1,1,1-Trichloroethane	54	73	76	25*	20	(70-135)
Methylcyclohexane	54	50	93	2	20	(43-133)
Benzene	54	66	122	13	20	(75-125)
1,2-Dichloroethane	54	62	115	12	20	(70-135)
Trichloroethene	54	77	33*	40*	20	(75-125)
1,2-Dichloropropane	54	63	117	14	20	(70-120)
Bromodichloromethane	54	64	119	13	20	(70-130)
4-Methyl-2-Pentanone	269	320	119	13	20	(53-145)
Toluene	54	63	117	12	20	(70-125)
t-1,3-Dichloropropene	54	64	119	13	20	(65-125)
cis-1,3-Dichloropropene	54	65	120	12	20	(70-125)
1,1,2-Trichloroethane	54	60	111	12	20	(67-125)
2-Hexanone	269	270	100	12	20	(45-145)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

**SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022

Matrix Spike - EPA Sample No : C5022-01 Analytical Method: EPA SW846 8260 Datafile : VT002025.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD		QC LIMITS	
			%	%	RPD	REC
Dibromochloromethane	54	59	109	11	20	(65-130)
1,2-Dibromoethane	54	58	107	11	20	(70-125)
Tetrachloroethene	54	62	101	16	20	(65-140)
Chlorobenzene	54	63	117	10	20	(75-125)
Ethyl Benzene	54	64	119	11	20	(75-125)
m/p-Xylenes	108	120	111	8	20	(80-125)
o-Xylene	54	59	109	9	20	(75-125)
Styrene	54	56	104	10	20	(75-125)
Bromoform	54	55	102	11	20	(62-135)
Isopropylbenzene	54	71	131*	9	20	(75-130)
1,1,2,2-Tetrachloroethane	54	72	133*	15	20	(55-130)
1,3-Dichlorobenzene	54	61	113	10	20	(70-125)
1,4-Dichlorobenzene	54	60	111	10	20	(70-124)
1,2-Dichlorobenzene	54	61	113	10	20	(75-120)
1,2-Dibromo-3-Chloropropane	54	79	146*	20	20	(44-135)
1,2,4-Trichlorobenzene	54	43	80	3	20	(65-130)

RPD : 4 Out of 49 outside limits

Spike Recovery : 4 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022

Matrix Spike - EPA Sample No : BSH1223M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH045013.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		2300	115	(46-139)
Chloromethane	2000		2900	145*	(58-139)
Vinyl Chloride	2000		2500	125	(65-137)
Bromomethane	2000		2400	120	(50-162)
Chloroethane	2000		2600	130	(54-160)
Trichlorofluoromethane	2000		2100	105	(67-143)
1,1,2-Trichlorotrifluoroethane	2000		2000	100	(71-136)
1,1-Dichloroethene	2000		2400	120	(69-134)
Acetone	10000		12000	120	(41-181)
Carbon Disulfide	2000		2300	115	(63-138)
Methyl tert-butyl Ether	2000		2100	105	(72-136)
Methyl Acetate	2000		2300	115	(51-158)
Methylene Chloride	2000		2200	110	(67-138)
trans-1,2-Dichloroethene	2000		2200	110	(72-132)
1,1-Dichloroethane	2000		2200	110	(74-135)
Cyclohexane	2000		2400	120	(67-132)
2-Butanone	10000		11000	110	(64-146)
Carbon Tetrachloride	2000		1900	95	(71-134)
cis-1,2-Dichloroethene	2000		2100	105	(74-130)
Chloroform	2000		1900	95	(74-134)
1,1,1-Trichloroethane	2000		1900	95	(74-133)
Methylcyclohexane	2000		2100	105	(71-125)
Benzene	2000		2000	100	(75-125)
1,2-Dichloroethane	2000		2000	100	(76-130)
Trichloroethene	2000		1900	95	(73-127)
1,2-Dichloropropane	2000		2300	115	(76-125)
Bromodichloromethane	2000		1900	95	(78-127)
4-Methyl-2-Pentanone	10000		13000	130	(71-140)
Toluene	2000		1900	95	(74-125)
t-1,3-Dichloropropene	2000		2000	100	(74-131)
cis-1,3-Dichloropropene	2000		2100	105	(74-128)
1,1,2-Trichloroethane	2000		2100	105	(75-129)
2-Hexanone	10000		13000	130	(62-153)
Dibromochloromethane	2000		2000	100	(74-131)
1,2-Dibromoethane	2000		2000	100	(74-129)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022Matrix Spike - EPA Sample No : BSH1223M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH045013.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	2000		1900	95	(46-157)
Chlorobenzene	2000		1900	95	(76-123)
Ethyl Benzene	2000		1900	95	(75-126)
m/p-Xylenes	4000		3700	93	(74-126)
o-Xylene	2000		1900	95	(73-127)
Styrene	2000		1900	95	(75-126)
Bromoform	2000		2000	100	(66-130)
Isopropylbenzene	2000		1900	95	(70-127)
1,1,2,2-Tetrachloroethane	2000		2100	105	(66-131)
1,3-Dichlorobenzene	2000		2000	100	(70-125)
1,4-Dichlorobenzene	2000		1900	95	(71-124)
1,2-Dichlorobenzene	2000		1900	95	(71-126)
1,2-Dibromo-3-Chloropropane	2000		1900	95	(62-134)
1,2,4-Trichlorobenzene	2000		1700	85	(62-129)

RPD : 0 Out of 49 outside limits

Spike Recovery : 1 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022

Matrix Spike - EPA Sample No : BSH1227M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH045031.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	2000		980	49	(47-135)
Chloromethane	2000		1200	60	(56-130)
Vinyl Chloride	2000		1200	60	(60-125)
Bromomethane	2000		1100	55	(45-158)
Chloroethane	2000		1300	65	(42-155)
Trichlorofluoromethane	2000		1100	55	(55-146)
1,1,2-Trichlorotrifluoroethane	2000		1200	60*	(65-134)
1,1-Dichloroethene	2000		1300	65	(65-135)
Acetone	10000		7100	71	(57-148)
Carbon Disulfide	2000		1100	55*	(60-138)
Methyl tert-butyl Ether	2000		1200	60*	(70-131)
Methyl Acetate	2000		1200	60	(44-187)
Methylene Chloride	2000		1300	65	(63-140)
trans-1,2-Dichloroethene	2000		1100	55*	(73-130)
1,1-Dichloroethane	2000		1300	65*	(75-125)
Cyclohexane	2000		1300	65*	(66-132)
2-Butanone	10000		5600	56	(52-153)
Carbon Tetrachloride	2000		950	48*	(74-122)
cis-1,2-Dichloroethene	2000		1200	60*	(75-125)
Chloroform	2000		1100	55*	(75-125)
1,1,1-Trichloroethane	2000		1100	55*	(75-128)
Methylcyclohexane	2000		1200	60*	(71-124)
Benzene	2000		1100	55*	(79-122)
1,2-Dichloroethane	2000		1000	50*	(75-132)
Trichloroethene	2000		1100	55*	(77-120)
1,2-Dichloropropane	2000		1300	65*	(76-120)
Bromodichloromethane	2000		1100	55*	(77-124)
4-Methyl-2-Pentanone	10000		7000	70	(70-141)
Toluene	2000		1100	55*	(78-121)
t-1,3-Dichloropropene	2000		1100	55*	(76-125)
cis-1,3-Dichloropropene	2000		1100	55*	(79-122)
1,1,2-Trichloroethane	2000		1100	55*	(76-125)
2-Hexanone	10000		7400	74	(55-145)
Dibromochloromethane	2000		1100	55*	(73-126)
1,2-Dibromoethane	2000		1000	50*	(76-125)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022Matrix Spike - EPA Sample No : BSH1227M1 Analytical Method: EPA SW846 8260 - MED Datafile : VH045031.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	2000		990	50*	(65-140)
Chlorobenzene	2000		1000	50*	(79-120)
Ethyl Benzene	2000		1100	55*	(77-120)
m/p-Xylenes	4000		2200	55*	(80-120)
o-Xylene	2000		1100	55*	(78-119)
Styrene	2000		1000	50*	(80-119)
Bromoform	2000		980	49*	(71-125)
Isopropylbenzene	2000		1200	60*	(77-124)
1,1,2,2-Tetrachloroethane	2000		1200	60*	(86-121)
1,3-Dichlorobenzene	2000		1100	55*	(82-121)
1,4-Dichlorobenzene	2000		1100	55*	(82-118)
1,2-Dichlorobenzene	2000		1000	50*	(81-120)
1,2-Dibromo-3-Chloropropane	2000		1100	55*	(66-132)
1,2,4-Trichlorobenzene	2000		1100	55*	(71-124)

RPD : 0 Out of 49 outside limits

Spike Recovery : 36 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022

Matrix Spike - EPA Sample No : BST1222S1 Analytical Method: EPA SW846 8260 Datafile : VT002022.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		19	95	(47-135)
Chloromethane	20		17	85	(56-130)
Vinyl Chloride	20		17	85	(60-125)
Bromomethane	20		16	80	(45-158)
Chloroethane	20		17	85	(42-155)
Trichlorofluoromethane	20		18	90	(55-146)
1,1,2-Trichlorotrifluoroethane	20		20	100	(65-134)
1,1-Dichloroethene	20		20	100	(65-135)
Acetone	100		75	75	(57-148)
Carbon Disulfide	20		18	90	(60-138)
Methyl tert-butyl Ether	20		20	100	(70-131)
Methyl Acetate	20		20	100	(44-187)
Methylene Chloride	20		20	100	(63-140)
trans-1,2-Dichloroethene	20		21	105	(73-130)
1,1-Dichloroethane	20		21	105	(75-125)
Cyclohexane	20		20	100	(66-132)
2-Butanone	100		86	86	(52-153)
Carbon Tetrachloride	20		23	115	(74-122)
cis-1,2-Dichloroethene	20		21	105	(75-125)
Chloroform	20		21	105	(75-125)
1,1,1-Trichloroethane	20		22	110	(75-128)
Methylcyclohexane	20		23	115	(71-124)
Benzene	20		22	110	(79-122)
1,2-Dichloroethane	20		21	105	(75-132)
Trichloroethene	20		22	110	(77-120)
1,2-Dichloropropane	20		21	105	(76-120)
Bromodichloromethane	20		22	110	(77-124)
4-Methyl-2-Pentanone	100		100	100	(70-141)
Toluene	20		22	110	(78-121)
t-1,3-Dichloropropene	20		21	105	(76-125)
cis-1,3-Dichloropropene	20		21	105	(79-122)
1,1,2-Trichloroethane	20		21	105	(76-125)
2-Hexanone	100		87	87	(55-145)
Dibromochloromethane	20		20	100	(73-126)
1,2-Dibromoethane	20		20	100	(76-125)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022Matrix Spike - EPA Sample No : BST1222S1 Analytical Method: EPA SW846 8260 Datafile : VT002022.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		21	105	(65-140)
Chlorobenzene	20		22	110	(79-120)
Ethyl Benzene	20		22	110	(77-120)
m/p-Xylenes	40		43	108	(80-120)
o-Xylene	20		21	105	(78-119)
Styrene	20		19	95	(80-119)
Bromoform	20		18	90	(71-125)
Isopropylbenzene	20		22	110	(77-124)
1,1,2,2-Tetrachloroethane	20		20	100	(77-130)
1,3-Dichlorobenzene	20		21	105	(82-121)
1,4-Dichlorobenzene	20		21	105	(82-118)
1,2-Dichlorobenzene	20		21	105	(81-120)
1,2-Dibromo-3-Chloropropane	20		22	110	(66-132)
1,2,4-Trichlorobenzene	20		22	110	(71-124)

RPD : 0 Out of 49 outside limits

Spike Recovery : 0 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____



SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Arcadis Inc.

Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022

Matrix Spike - EPA Sample No : BST1223S4 Analytical Method: EPA SW846 8260 Datafile : VT002087.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		24	120	(50-142)
Chloromethane	20		24	120	(65-131)
Vinyl Chloride	20		24	120	(67-130)
Bromomethane	20		27	135	(64-136)
Chloroethane	20		25	125	(66-146)
Trichlorofluoromethane	20		23	115	(72-134)
1,1,2-Trichlorotrifluoroethane	20		21	105	(73-133)
1,1-Dichloroethene	20		25	125	(74-130)
Acetone	100		120	120	(57-135)
Carbon Disulfide	20		24	120	(71-130)
Methyl tert-butyl Ether	20		25	125*	(76-123)
Methyl Acetate	20		25	125	(62-146)
Methylene Chloride	20		26	130	(73-134)
trans-1,2-Dichloroethene	20		24	120	(76-125)
1,1-Dichloroethane	20		24	120	(78-124)
Cyclohexane	20		22	110	(72-130)
2-Butanone	100		120	120	(68-132)
Carbon Tetrachloride	20		21	105	(76-127)
cis-1,2-Dichloroethene	20		24	120	(78-122)
Chloroform	20		24	120	(79-122)
1,1,1-Trichloroethane	20		24	120	(76-126)
Methylcyclohexane	20		21	105	(75-127)
Benzene	20		22	110	(79-124)
1,2-Dichloroethane	20		23	115	(78-124)
Trichloroethene	20		22	110	(78-124)
1,2-Dichloropropane	20		23	115	(76-124)
Bromodichloromethane	20		23	115	(78-122)
4-Methyl-2-Pentanone	100		110	110	(73-135)
Toluene	20		22	110	(78-124)
t-1,3-Dichloropropene	20		22	110	(77-123)
cis-1,3-Dichloropropene	20		22	110	(79-120)
1,1,2-Trichloroethane	20		23	115	(78-123)
2-Hexanone	100		110	110	(71-134)
Dibromochloromethane	20		23	115	(77-121)
1,2-Dibromoethane	20		23	115	(78-123)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:

**SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**Lab Name: CHEMTECH Client: Arcadis Inc.Lab Code: CHEM Cas No: C5022 SAS No : C5022 SDG No: C5022Matrix Spike - EPA Sample No : BST1223S4 Analytical Method: EPA SW846 8260 Datafile : VT002087.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Tetrachloroethene	20		26	130	(67-134)
Chlorobenzene	20		22	110	(80-121)
Ethyl Benzene	20		21	105	(80-123)
m/p-Xylenes	40		42	105	(79-126)
o-Xylene	20		21	105	(80-122)
Styrene	20		21	105	(81-121)
Bromoform	20		21	105	(73-124)
Isopropylbenzene	20		23	115	(79-123)
1,1,2,2-Tetrachloroethane	20		23	115	(79-124)
1,3-Dichlorobenzene	20		23	115	(82-120)
1,4-Dichlorobenzene	20		22	110	(81-120)
1,2-Dichlorobenzene	20		23	115	(82-118)
1,2-Dibromo-3-Chloropropane	20		24	120	(72-127)
1,2,4-Trichlorobenzene	20		21	105	(75-125)

RPD : 0 Out of 49 outside limits

Spike Recovery : 1 Out of 49 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments:



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH1223M1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C5022SAS No.: C5022 SDG NO.: C5022Lab File ID: VH045012.DLab Sample ID: VBH1223M1Date Analyzed: 12/23/2011Time Analyzed: 21:25GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSH1223M1	BSH1223M1	VH045013.D	12/23/2011
SB-24-5.0DL	C5022-02DL	VH045015.D	12/23/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBH1223M1	SDG No.:	C5022
Lab Sample ID:	VBH1223M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045012.D	1		12/23/11	VH122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	500	U	55	500	ug/Kg
74-87-3	Chloromethane	500	U	54	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	34	500	ug/Kg
74-83-9	Bromomethane	500	U	62	500	ug/Kg
75-00-3	Chloroethane	500	U	66	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	35	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	45	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	47	500	ug/Kg
67-64-1	Acetone	2500	U	280	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	54	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	35	500	ug/Kg
79-20-9	Methyl Acetate	500	U	83	500	ug/Kg
75-09-2	Methylene Chloride	500	U	41	500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	41	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	36	500	ug/Kg
110-82-7	Cyclohexane	500	U	55	500	ug/Kg
78-93-3	2-Butanone	2500	U	130	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	62	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	35	500	ug/Kg
67-66-3	Chloroform	500	U	34	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	40	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	68	500	ug/Kg
71-43-2	Benzene	500	U	32	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	48	500	ug/Kg
79-01-6	Trichloroethene	500	U	28	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	46	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	36	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	210	2500	ug/Kg
108-88-3	Toluene	500	U	37	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	29	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	500	U	31	500	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBH1223M1	SDG No.:	C5022
Lab Sample ID:	VBH1223M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045012.D	1		12/23/11	VH122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	500	U	38	500	ug/Kg
591-78-6	2-Hexanone	2500	U	190	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	52	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	41	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	27	500	ug/Kg
108-90-7	Chlorobenzene	500	U	49	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	53	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	95	1000	ug/Kg
95-47-6	o-Xylene	500	U	43	500	ug/Kg
100-42-5	Styrene	500	U	36	500	ug/Kg
75-25-2	Bromoform	500	U	47	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	45	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	31	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	43	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	32	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	45	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	46	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	62	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		56 - 120	99%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		57 - 135	95%	SPK: 50
2037-26-5	Toluene-d8	53		67 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		33 - 141	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267529	4.94			
540-36-3	1,4-Difluorobenzene	502085	5.66			
3114-55-4	Chlorobenzene-d5	489793	9.79			
3855-82-1	1,4-Dichlorobenzene-d4	283537	12.52			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBH1223M1	SDG No.:	C5022
Lab Sample ID:	VBH1223M1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045012.D	1		12/23/11	VH122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH1227M2

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C5022SAS No.: C5022 SDG NO.: C5022Lab File ID: VH045022.DLab Sample ID: VBH1227M2Date Analyzed: 12/27/2011Time Analyzed: 15:37GC Column: RTX-VMS ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOAH

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSH1227M1	BSH1227M1	VH045031.D	12/27/2011
SB-25-3.5DL	C5022-03DL	VH045033.D	12/27/2011
SB-26-1.0DL	C5022-05DL	VH045034.D	12/27/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBH1227M2	SDG No.:	C5022
Lab Sample ID:	VBH1227M2	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045022.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	500	U	55	500	ug/Kg
74-87-3	Chloromethane	500	U	54	500	ug/Kg
75-01-4	Vinyl Chloride	500	U	34	500	ug/Kg
74-83-9	Bromomethane	500	U	62	500	ug/Kg
75-00-3	Chloroethane	500	U	66	500	ug/Kg
75-69-4	Trichlorofluoromethane	500	U	35	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	500	U	45	500	ug/Kg
75-35-4	1,1-Dichloroethene	500	U	47	500	ug/Kg
67-64-1	Acetone	2500	U	280	2500	ug/Kg
75-15-0	Carbon Disulfide	500	U	54	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	500	U	35	500	ug/Kg
79-20-9	Methyl Acetate	500	U	83	500	ug/Kg
75-09-2	Methylene Chloride	500	U	41	500	ug/Kg
156-60-5	trans-1,2-Dichloroethene	500	U	41	500	ug/Kg
75-34-3	1,1-Dichloroethane	500	U	36	500	ug/Kg
110-82-7	Cyclohexane	500	U	55	500	ug/Kg
78-93-3	2-Butanone	2500	U	130	2500	ug/Kg
56-23-5	Carbon Tetrachloride	500	U	62	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	500	U	35	500	ug/Kg
67-66-3	Chloroform	500	U	34	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	500	U	40	500	ug/Kg
108-87-2	Methylcyclohexane	500	U	68	500	ug/Kg
71-43-2	Benzene	500	U	32	500	ug/Kg
107-06-2	1,2-Dichloroethane	500	U	48	500	ug/Kg
79-01-6	Trichloroethene	500	U	28	500	ug/Kg
78-87-5	1,2-Dichloropropane	500	U	46	500	ug/Kg
75-27-4	Bromodichloromethane	500	U	36	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2500	U	210	2500	ug/Kg
108-88-3	Toluene	500	U	37	500	ug/Kg
10061-02-6	t-1,3-Dichloropropene	500	U	29	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	500	U	31	500	ug/Kg

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBH1227M2	SDG No.:	C5022
Lab Sample ID:	VBH1227M2	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045022.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	500	U	38	500	ug/Kg
591-78-6	2-Hexanone	2500	U	190	2500	ug/Kg
124-48-1	Dibromochloromethane	500	U	52	500	ug/Kg
106-93-4	1,2-Dibromoethane	500	U	41	500	ug/Kg
127-18-4	Tetrachloroethene	500	U	27	500	ug/Kg
108-90-7	Chlorobenzene	500	U	49	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	53	500	ug/Kg
179601-23-1	m/p-Xylenes	1000	U	95	1000	ug/Kg
95-47-6	o-Xylene	500	U	43	500	ug/Kg
100-42-5	Styrene	500	U	36	500	ug/Kg
75-25-2	Bromoform	500	U	47	500	ug/Kg
98-82-8	Isopropylbenzene	500	U	45	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	500	U	31	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	500	U	43	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	500	U	32	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	500	U	45	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	46	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	500	U	62	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		55 - 158	97%	SPK: 50
1868-53-7	Dibromofluoromethane	44.5		53 - 156	89%	SPK: 50
2037-26-5	Toluene-d8	49.3		85 - 115	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		85 - 120	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	275073	4.96			
540-36-3	1,4-Difluorobenzene	499691	5.67			
3114-55-4	Chlorobenzene-d5	459770	9.8			
3855-82-1	1,4-Dichlorobenzene-d4	262787	12.54			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBH1227M2	SDG No.:	C5022
Lab Sample ID:	VBH1227M2	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH045022.D	1		12/27/11	VH122711

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBT1222S1

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C5022SAS No.: C5022 SDG NO.: C5022Lab File ID: VT002021.DLab Sample ID: VBT1222S1Date Analyzed: 12/22/2011Time Analyzed: 16:59GC Column: RTX-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_T

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BST1222S1	BST1222S1	VT002022.D	12/22/2011
SB-24-1.0MS	C5022-01MS	VT002024.D	12/22/2011
SB-24-1.0MSD	C5022-01MSD	VT002025.D	12/22/2011
SB-24-5.0	C5022-02	VT002027.D	12/22/2011
SB-25-3.5	C5022-03	VT002028.D	12/22/2011
SB-25-6.0	C5022-04	VT002029.D	12/22/2011
SB-26-5.5	C5022-06	VT002031.D	12/22/2011
SB-27-3.5	C5022-07	VT002032.D	12/22/2011
SB-27-5.5	C5022-08	VT002033.D	12/23/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBT1222S1	SDG No.:	C5022
Lab Sample ID:	VBT1222S1	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002021.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBT1222S1		SDG No.:	C5022
Lab Sample ID:	VBT1222S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002021.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		55 - 158	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		53 - 156	99%	SPK: 50
2037-26-5	Toluene-d8	53.3		85 - 115	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		85 - 120	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	793216	8.04			
540-36-3	1,4-Difluorobenzene	1417720	8.95			
3114-55-4	Chlorobenzene-d5	941986	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	454840	13.63			

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBT1222S1		SDG No.:	C5022
Lab Sample ID:	VBT1222S1		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002021.D	1		12/22/11	VT122211

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBT1223S2

Lab Name: CHEMTECHContract: MALC02Lab Code: CHEM Case No.: C5022SAS No.: C5022 SDG NO.: C5022Lab File ID: VT002085.DLab Sample ID: VBT1223S2Date Analyzed: 12/24/2011Time Analyzed: 04:41GC Column: RTX-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_T

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BST1223S4	BST1223S4	VT002087.D	12/24/2011
SB-24-1.0	C5022-01	VT002093.D	12/24/2011
SB-25-6.0DL	C5022-04DL	VT002094.D	12/24/2011
SB-26-1.0	C5022-05	VT002095.D	12/24/2011
SB-27-3.5DL	C5022-07DL	VT002096.D	12/24/2011
SB-27-5.5RE	C5022-08RE	VT002097.D	12/24/2011
SB-26-5.5RE	C5022-06RE	VT002098.D	12/24/2011

COMMENTS: _____

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBT1223S2		SDG No.:	C5022
Lab Sample ID:	VBT1223S2		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002085.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5	U	0.65	5	ug/Kg
74-87-3	Chloromethane	5	U	0.86	5	ug/Kg
75-01-4	Vinyl Chloride	5	U	1.2	5	ug/Kg
74-83-9	Bromomethane	5	U	2.4	5	ug/Kg
75-00-3	Chloroethane	5	U	1.4	5	ug/Kg
75-69-4	Trichlorofluoromethane	5	U	1.3	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5	U	1.3	5	ug/Kg
75-35-4	1,1-Dichloroethene	5	U	1.5	5	ug/Kg
67-64-1	Acetone	25	U	3	25	ug/Kg
75-15-0	Carbon Disulfide	5	U	1.1	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5	U	0.96	5	ug/Kg
79-20-9	Methyl Acetate	5	U	1.5	5	ug/Kg
75-09-2	Methylene Chloride	5	U	1.4	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5	U	0.69	5	ug/Kg
75-34-3	1,1-Dichloroethane	5	U	0.94	5	ug/Kg
110-82-7	Cyclohexane	5	U	1	5	ug/Kg
78-93-3	2-Butanone	25	U	3.1	25	ug/Kg
56-23-5	Carbon Tetrachloride	5	U	0.99	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5	U	0.89	5	ug/Kg
67-66-3	Chloroform	5	U	0.74	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	5	U	0.88	5	ug/Kg
108-87-2	Methylcyclohexane	5	U	1.1	5	ug/Kg
71-43-2	Benzene	5	U	0.38	5	ug/Kg
107-06-2	1,2-Dichloroethane	5	U	0.64	5	ug/Kg
79-01-6	Trichloroethene	5	U	0.86	5	ug/Kg
78-87-5	1,2-Dichloropropane	5	U	0.26	5	ug/Kg
75-27-4	Bromodichloromethane	5	U	0.62	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	25	U	2.9	25	ug/Kg
108-88-3	Toluene	5	U	0.64	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	5	U	0.79	5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5	U	0.72	5	ug/Kg

Report of Analysis

Client:	Arcadis Inc.		Date Collected:	
Project:	Chemical Sales site		Date Received:	
Client Sample ID:	VBT1223S2		SDG No.:	C5022
Lab Sample ID:	VBT1223S2		Matrix:	SOIL
Analytical Method:	SW8260B		% Moisture:	0
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002085.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	U	0.9	5	ug/Kg
591-78-6	2-Hexanone	25	U	3.9	25	ug/Kg
124-48-1	Dibromochloromethane	5	U	0.54	5	ug/Kg
106-93-4	1,2-Dibromoethane	5	U	0.64	5	ug/Kg
127-18-4	Tetrachloroethene	5	U	1	5	ug/Kg
108-90-7	Chlorobenzene	5	U	0.5	5	ug/Kg
100-41-4	Ethyl Benzene	5	U	0.62	5	ug/Kg
179601-23-1	m/p-Xylenes	10	U	0.72	10	ug/Kg
95-47-6	o-Xylene	5	U	0.68	5	ug/Kg
100-42-5	Styrene	5	U	0.45	5	ug/Kg
75-25-2	Bromoform	5	U	0.74	5	ug/Kg
98-82-8	Isopropylbenzene	5	U	0.48	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5	U	0.46	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	5	U	0.37	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	5	U	0.41	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	5	U	0.62	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5	U	0.87	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5	U	0.7	5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		56 - 120	114%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135	100%	SPK: 50
2037-26-5	Toluene-d8	47.9		67 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		33 - 141	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	744393	8.05			
540-36-3	1,4-Difluorobenzene	1369620	8.95			
3114-55-4	Chlorobenzene-d5	823159	11.71			
3855-82-1	1,4-Dichlorobenzene-d4	382775	13.62			

Report of Analysis

Client:	Arcadis Inc.	Date Collected:	
Project:	Chemical Sales site	Date Received:	
Client Sample ID:	VBT1223S2	SDG No.:	C5022
Lab Sample ID:	VBT1223S2	Matrix:	SOIL
Analytical Method:	SW8260B	% Moisture:	0
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
GC Column:	RTX-624	Test:	VOC-TCLVOA-10
	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VT002085.D	1		12/24/11	VT122311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VH045010.D Date Analyzed: 12/23/2011
Instrument ID: MSVOAH Time Analyzed: 20:21
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	314888	4.98	579403	5.68	576128	9.79
UPPER LIMIT	629776	5.48	1158806	6.18	1152256	10.29
LOWER LIMIT	157444	4.48	289701.5	5.18	288064	9.29
EPA SAMPLE NO.						
BSH1223M1	279514	4.95	499430	5.66	520602	9.78
SB-24-5.0DL	281568	4.94	489649	5.66	507792	9.78
VBH1223M1	267529	4.94	502085	5.66	489793	9.79

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VH045010.D Date Analyzed: 12/23/2011
Instrument ID: MSVOAH Time Analyzed: 20:21
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	326772	12.53				
UPPER LIMIT	653544	13.03				
LOWER LIMIT	163386	12.03				
EPA SAMPLE NO.						
BSH1223M1	295522	12.52				
SB-24-5.0DL	261704	12.53				
VBH1223M1	283537	12.52				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VH045019.D Date Analyzed: 12/27/2011
Instrument ID: MSVOAH Time Analyzed: 12:53
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	370232	4.96	541846	5.68	570694	9.80
UPPER LIMIT	740464	5.46	1083692	6.18	1141388	10.3
LOWER LIMIT	185116	4.46	270923	5.18	285347	9.3
EPA SAMPLE NO.						
BSH1227M1	541256	5.00	996277	5.72	1005395	9.83
SB-25-3.5DL	252815	5.00	442818	5.71	430677	9.83
SB-26-1.0DL	236214	5.00	415979	5.72	403018	9.83
VBH1227M2	275073	4.96	499691	5.67	459770	9.80

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VH045019.D Date Analyzed: 12/27/2011
Instrument ID: MSVOAH Time Analyzed: 12:53
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	402448	12.53				
UPPER LIMIT	804896	13.03				
LOWER LIMIT	201224	12.03				
EPA SAMPLE NO.						
BSH1227M1	573391	12.55				
SB-25-3.5DL	241214	12.55				
SB-26-1.0DL	233299	12.55				
VBH1227M2	262787	12.54				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VT002020.D Date Analyzed: 12/22/2011
Instrument ID: MSVOA_T Time Analyzed: 15:53
GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1016081	8.05	1593912	8.95	981536	11.71
UPPER LIMIT	2032162	8.55	3187824	9.45	1963072	12.21
LOWER LIMIT	508040.5	7.55	796956	8.45	490768	11.21
EPA SAMPLE NO.						
BST1222S1	1014695	8.04	1631693	8.95	1004865	11.71
SB-24-1.0MS	971041	8.04	1568347	8.95	911733	11.71
SB-24-1.0MSD	909504	8.05	1510705	8.95	859595	11.71
SB-24-5.0	698148	8.05	1202565	8.95	640616	11.71
SB-25-3.5	731004	8.05	1275809	8.95	678724	11.71
SB-25-6.0	647843	8.05	1131680	8.95	628741	11.71
SB-26-5.5	579276	8.04	1044194	8.95	701043	11.71
SB-27-3.5	672593	8.05	1227212	8.95	530188	11.71
SB-27-5.5	237882 *	8.05	420022 *	8.95	221473 *	11.71
VBT1222S1	793216	8.04	1417720	8.95	941986	11.71

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VT002020.D Date Analyzed: 12/22/2011
Instrument ID: MSVOA_T Time Analyzed: 15:53
GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	494183	13.62				
UPPER LIMIT	988366	14.12				
LOWER LIMIT	247091.5	13.12				
EPA SAMPLE NO.						
BST1222S1	504597	13.62				
SB-24-1.0MS	379088	13.62				
SB-24-1.0MSD	347632	13.63				
SB-24-5.0	178150 *	13.63				
SB-25-3.5	183095 *	13.63				
SB-25-6.0	195790 *	13.63				
SB-26-5.5	433689	13.63				
SB-27-3.5	109700 *	13.63				
SB-27-5.5	63492 *	13.63				
VBT1222S1	454840	13.63				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VT002084.D Date Analyzed: 12/24/2011
Instrument ID: MSVOA_T Time Analyzed: 04:11
GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	804038	8.05	1388374	8.95	853633	11.71
UPPER LIMIT	1608076	8.55	2776748	9.45	1707266	12.21
LOWER LIMIT	402019	7.55	694187	8.45	426816.5	11.21
EPA SAMPLE NO.						
BST1223S4	817890	8.04	1434182	8.95	875004	11.71
SB-24-1.0	597867	8.04	1115760	8.95	709263	11.71
SB-25-6.0DL	695146	8.05	1238890	8.95	793791	11.71
SB-26-1.0	571523	8.05	1021114	8.95	547741	11.71
SB-26-5.5RE	304659 *	8.05	538682 *	8.95	359295 *	11.71
SB-27-3.5DL	574378	8.04	1011449	8.95	562819	11.71
SB-27-5.5RE	542263	8.04	1009333	8.95	469671	11.71
VBT1223S2	744393	8.05	1369620	8.95	823159	11.71

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02
Lab Code: CHEM Case No.: C5022 SAS No.: C5022 SDG NO.: C5022
Lab File ID: VT002084.D Date Analyzed: 12/24/2011
Instrument ID: MSVOA_T Time Analyzed: 04:11
GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	420151	13.62				
UPPER LIMIT	840302	14.12				
LOWER LIMIT	210075.5	13.12				
EPA SAMPLE NO.						
BST1223S4	409450	13.62				
SB-24-1.0	310335	13.62				
SB-25-6.0DL	374752	13.63				
SB-26-1.0	145828 *	13.62				
SB-26-5.5RE	194342 *	13.62				
SB-27-3.5DL	177781 *	13.63				
SB-27-5.5RE	96452 *	13.62				
VBT1223S2	382775	13.62				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.