Prepared for

Interim Pedricktown Site Group

Groundwater Monitoring Report

NL Industries Superfund Site
Pedricktown, New Jersey

September 2007

Prepared by

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1. INTRODUCTION

On behalf of the Interim Pedricktown Site Group (Group), CSI Environmental, LLC (CSI) prepared the following report to document the results of the groundwater monitoring activities performed in April 2007 at the NL Industries Superfund Site in Pedricktown, New Jersey. CSI performed the groundwater monitoring activities in accordance with the December 2006 *Groundwater Monitoring Plan for the NL Industries Superfund Site,* prepared by CSI and approved by the United States Environmental Protection Agency (EPA) in a letter dated 11 January 2007. The activities included abandoning one damaged monitoring well (OD) and sampling 29 monitoring wells. The results of the groundwater monitoring activities performed in April 2007 are summarized herein. A location plan is provided as Figure 1.

Pursuant to a Consent Decree issued by EPA, the Group conducted remedial activities for soil and sediment, which were completed in May 2003. The remedial action (RA) included the excavation, stabilization and off-site disposal of soil, sediment and debris that contained lead at concentrations above the remedial action objective. Review of data obtained prior to the performance of the remedy for soil and sediment indicated that significant improvement in groundwater quality had occurred without active groundwater remediation. Therefore, the Group and EPA are currently re-evaluating the EPA-specified remedy for groundwater.

As described herein, the groundwater quality at the site has steadily improved since 1983 without performing remedial activities specifically aimed at groundwater. The completion of the RA for soil and sediment has eliminated a possible source for constituents in soil, which has likely contributed to groundwater quality improvement. Moreover, it is apparent that improving groundwater quality has lessened or eliminated a need for remedial actions specifically aimed at groundwater. However, CSI identified several potentially applicable technologies that may be used to speed the on-going improvement in groundwater quality.

2. BACKGROUND

The NL Industries site is located on Pennsgrove-Pedricktown Road in Pedricktown, New Jersey. The site was formerly used for the reclamation of lead. Groundwater quality in three zones (the unconfined Cape May formation, first semi-confined zone of the Raritan formation, and second confined zone of the Raritan formation) has been evaluated periodically since 1983. Elevated levels of site related constituents in groundwater were limited in extent to the uppermost zone, the unconfined aquifer. Both historical and recent data consistently show that groundwater quality has improved significantly.

2.1 Previous Groundwater Evaluations

Groundwater quality improved between 1983 and 1998 as documented in *Phase I Groundwater Evaluation Technical Memorandum* [GeoSyntec Consultants, 1997] and *Phase II Groundwater Evaluation Technical Memorandum* [GeoSyntec Consultants, 2000]. Furthermore, residential wells were previously sampled and were determined to have been unaffected by site-related constituents. Even though lead was detected in several tap water samples, it was not site-related. Additionally, the results of an aquifer test indicated that attempting to extract metals from the subsurface by pumping groundwater would be ineffective.

GeoSyntec Consultants stated that the mechanisms responsible for natural improvement in groundwater quality were effective and indicated that the pump-and-treat remedy previously specified for the site by the EPA would not be effective and was not necessary. However, GeoSyntec recommended that consideration be given to evaluating possible remediation alternatives, including monitored natural attenuation and injection of alkalinity to enhance the removal of constituents from groundwater in combination with monitoring.

CSI performed the most recent groundwater monitoring events in April 2007 and January 2004. Review of data from both events reveals continuing improvement in groundwater quality. In addition, CSI sampled drinking water from the residences along Route 130 in January 2004, June 2006 and during the most recent April 2007 event. During each of these monitoring events lead and cadmium concentrations in the residential water samples were either not detected or were significantly below the applicable New Jersey drinking water standards.

2.2 Monitoring Well Network

During the performance of the RA for soil and sediment, several groundwater-monitoring wells were accidentally damaged or destroyed. Two monitoring wells,

MW-29 and MW-30, were damaged and abandoned during the RA and two monitoring wells, KS and KD, were destroyed. Several monitoring wells (i.e. HS, IS, JD, RS, and T-C) were also damaged. With EPA concurrence, wells KS, KD and 30 were replaced prior to the January 2004 groundwater-monitoring event. The well installation and abandonment activities are fully documented in the *Groundwater Monitoring Report* prepared by CSI and dated April 2004. Replacement well identifications include "R" to signify that they are replacement wells (i.e. KSR). During the January 2004 groundwater-monitoring event it was discovered that well OD was compromised. Damaged monitoring well OD was abandoned in April 2007.

3. TECHNICAL APPROACH

CSI monitored groundwater quality during the April 2007 event using sampling and analytical techniques that were consistent with those used at the site in January 2004. The procedures are described in the December 2006 *Groundwater Monitoring Plan for the NL Industries Superfund Site,* prepared by CSI and approved by the United States Environmental Protection Agency (EPA) in a letter dated 11 January 2007. CSI's goal was to obtain samples of groundwater that were representative of aquifer conditions using low-impact techniques described in *Low-Flow (Minimal Draw Down) Ground-Water Sampling Procedures* [Puls and Barcelona, 1998]. Groundwater monitoring activities are described below.

3.1 Well Abandonment

It was discovered during the January 2004 sampling event that the well casing in well OD was damaged below the land surface and no longer useful for sampling. Therefore a recommendation was made to abandon this well in the January 2004 letter report. Well OD was properly abandoned by a licensed well driller from A.C. Schultes Inc during the April 2007 sampling event. The well abandonment report is included as Appendix A to this report.

3.2 Groundwater Sampling

CSI sampled groundwater in accordance with the December 2006 *Groundwater Monitoring Plan for the NL Industries Superfund Site,* prepared by CSI and approved by the United States Environmental Protection Agency (EPA) in a letter dated 11 January 2007. CSI (i) measured the depth to groundwater in each well; (ii) monitored field parameters; (iii) obtained groundwater samples; (iv) submitted the samples for laboratory analysis for volatile organic compounds (VOCs), total lead and cadmium, and dissolved lead and cadmium; and (v) validated the laboratory data. For comparison of data, CSI obtained groundwater samples from the monitoring wells last sampled in January 2004. In addition, at the request of the EPA, wells 13-17 situated between the NL site and residences located along Route 130 were also sampled. Monitoring wells that were sampled during the April 2007 event are identified in Table 1. CSI evaluated the groundwater quality at the selected wells using field parameters to preliminarily evaluate whether or not the groundwater sample was representative of aquifer conditions.

Prior to sampling, CSI measured water levels at each well, these data are tabulated on Table 1 and the shallow unconfined aquifer data are depicted on Figure 2. CSI used clean Pro-Active Industries™ submersible pumps to perform low-flow groundwater sampling. Each pump was set at the desired level within the screened

portion of each well. Groundwater extraction rates were maintained continually using a surface-mounted controller. Low flow rates were maintained to avoid excessive draw down in each well. CSI used portable equipment to monitor dissolved oxygen (DO), turbidity, specific conductance, oxidation-reduction potential (ORP), pH and temperature. CSI monitored the water quality parameters periodically while purging each well. After the measured values of the parameters stabilized, CSI obtained the groundwater sample. The data collected from measurements performed at the site during well purging are summarized on Table 2.

CSI also obtained samples of tap water from selected residences/commercial properties along U.S. Route 130 (Figure 1). The water quality at the Delaware River Land Company LLC commercial property (201) and the Butcher (189), Kucowski-Ahamd (191), Cruz (195), Eyler (167), Gates (197), and Sopko (165) residences were evaluated. Where the owner granted access, CSI obtained water samples from taps located in piping prior to any water treatment systems. Documentation of these results was provided to the EPA under separate cover.

3.3 Field and Laboratory Analyses

CSI measured water quality parameters (Table 2) in the field to preliminarily evaluate whether or not a groundwater sample was likely to be representative of ambient groundwater. Excess turbidity or wide variations in pH, specific conductance, dissolved oxygen or ORP often indicate abnormalities such as surface water intrusion, or failures in well casing and gravel filter. If obvious abnormalities in field parameter measurements were noted, or if the turbidity of a sample was greater than 10 NTU, then CSI considered the sample to be possibly compromised. If the turbidity exceeded 40 NTUs, then the sample was not considered to be representative of aquifer conditions and the resultant data were qualified. The water quality data from field measurements are summarized on Table 2.

CSI contracted Chemtech of Mountainside, New Jersey to perform chemical analyses of groundwater samples. The laboratory analyzed the samples for total lead, dissolved lead, total cadmium, and dissolved cadmium using EPA method ILM04.1 and VOCs using EPA method OLC03.2. The instrument detection limits for lead and cadmium was as specified by the method. Samples were preserved in accordance with the appropriate EPA method. Samples analyzed for total lead and total cadmium were not filtered. Samples analyzed for dissolved lead and dissolved cadmium were filtered in the field using 0.45 micron in line filters. The laboratory data are summarized on Table 3.

3.4 QA/QC and Data Validation

Quality assurance/quality control (QA/QC) procedures were generally consistent with those described in the *Quality Assurance Project Plan* included in the *Groundwater Monitoring Plan* (CSI, 2006). Upon receipt of laboratory data, CSI validated the data using EPA standard operating procedures HW 13, Revision 3.0, July 2001 for low-level organics in groundwater and HW 2, Revision 13, September 2005 for metals in groundwater. Data validation procedures verified that the data are acceptable for use with the qualifications noted below. The validated data are included as Appendix B.

The following is a summary of the validation reports contained in Appendix B.

Organic Data

- The holding times were met for all samples.
- The surrogate recovery criteria were met for all samples, with the exception of one sample in each set. This anomaly did not necessitate data qualification.
- The matrix spike/spike duplicate (MS/MSD) results met all QC criteria. No data qualifiers were applied based on MS/MSD results.
- Blank contamination of methylene chloride was found in multiple method, rinsate and trip blanks associated with the data sets. Therefore, all methylene chloride results have been flagged as "U" non-detect. Although acetone and toluene were also found in blank samples, no data qualifiers were applied as a result of these detections.
- All gas chromatograph/mass spectrometer (GC/MS) bromofluorobenzene (BFB) tuning criteria associated with these sample analyses met QC criteria.
- The response factor criteria were met for all target analytes in each of the continuing calibration standards associated with these data sets.
- All percent relative standard deviation (RSD) and percent difference (%D) criteria in the calibration curve standard and analysis met QC criteria.
- All internal standard area counts and retention time shifts met QC criteria in each of the samples associated with these data sets.
- Target compound analyses on the GC/MS based on the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards resulted in the qualification of all methylene chloride results. This is based on the detection of methylene chloride in multiple blank samples.
- Field duplicate analysis could not be conducted for the organic data based on the lack of organic compound detections in groundwater and duplicate samples.

The organic data met all QC criteria with the exception of the detection of methylene chloride in multiple blank samples. Methylene chloride is a common laboratory contaminant and these results have all been qualified "U' based on the data validation procedures used.

Inorganic Data

- All of the samples within these data sets were prepared/digested and analyzed within the proper holding time.
- The percent recovery of cadmium and lead met QC criteria in all continuing calibration curve standards associated with this data set.
- The recovery of lead and cadmium in all three contract required detection limit (CRDL) standards for data sets Y2435 and Y2448 met all QC criteria. The recovery of lead and cadmium for some of the CRDL standards associated with data sets Y2469, Y2485 and Y2486 did not meet QC criteria. Therefore, some positive cadmium and lead detections were qualified "J" estimated, as further detailed in Appendix B.
- All interference check standard (ICS) recoveries for data sets Y2486, Y2435 and Y2448 met QC criteria. Some of the ICS recoveries for data sets Y2469 and Y2485did not meet QC criteria, positive lead results in these data sets have been qualified "J" estimated.
- The majority of the matrix spike analyses met QC criteria with the exceptions of: the recovery of dissolved cadmium for sample set Y2486 and the recovery of dissolved lead in sample set Y2485. The affected results were flagged "N" as prescribed by the method.
- Post digestion spike analysis was not required nor performed for any inorganic data sets.
- No additional data qualifiers were applied based on the duplicate sample analysis.
- All inductively coupled plasma (ICP) serial dilution analyses met QC criteria with the exception of dissolved lead data in sample set Y2485. The dissolved lead data in sample set Y2485 were qualified with an "E" as required by the method.
- The majority of the blank analyses for total and dissolved lead and cadmium were free from contamination with the exception of the following:
    - Blank contamination - total and dissolved cadmium in preparation blank for data set Y2469, action – cadmium negated in all samples when the concentration is greater than the method detection limit (MDL) and less than the contract required detection limit (CRQL).
    - Blank contamination – total and dissolved cadmium in preparation blank for sample set Y2485, action – no action necessary based on previous qualification of data.

- Blank contamination – total and dissolved cadmium in preparation blank for data set Y2486, action - no action necessary based on previous qualification of data.
- Blank contamination – dissolved cadmium in rinsate blank for data set Y2469, action – cadmium detected between the MDL and the CRQL in this data set have been negated and qualified "U".

- The laboratory control sample analyses met QC criteria for both cadmium and lead in all data sets.
- No data were qualified based on the results of field duplicate sample data.
- All instrument QC data required by the method was conducted properly.

The inorganic data sets contained some data validation issues associated with CRDL standard detection, ICS recoveries, matrix spike recovery, ICP serial dilution and blank contamination. These QC issues have resulted in the qualification of some of the cadmium and lead data with "U" and "J" flags. These qualified data are not anticipated to affect the overall data assessment.

4. RESULTS AND DISCUSSION

The results obtained from the April 2007 groundwater-sampling event are summarized below. The validated laboratory data are provided in Appendix B and are summarized on Table 3. Review of the data reveal that the continuing trend of improving groundwater quality has been confirmed.

4.1 Water Level Measurement

The water levels measured in the monitoring wells in April 2007 are provided in Table 1. A water table diagram and the direction of groundwater flow derived from the water level data are shown on Figure 2. Based on measured water levels, groundwater flows north and west across the site in the shallow zone, which is consistent with previous findings. The inclusion of monitoring wells 13 through 17 into the water level analysis provided a clearer understanding of groundwater flow. It is apparent that there are surface water features and a groundwater divide between the site and residential properties located along Route 130 that prevent shallow groundwater from flowing from the site to the properties along Route 130. As shown on Figure 2, shallow groundwater generally flows toward the West Stream and toward the surface water features located between the NL landfill and residential properties located along Route 130.

4.2 Field Parameters

The results obtained from measurement of field parameters are presented on Table 2. As was previously established in the April 2004 *Groundwater Monitoring Report* [CSI, 2004], and the Phase I and II Technical Memorandum Reports [Geosyntec, 1997 and 2000], there are correlations between the detection of lead and cadmium in groundwater samples and the pH and turbidity measured during sampling. Where pH is low, the metals concentrations tend to be higher; where turbidity is low, metals concentrations tend to be lower. The variations in groundwater pH in the shallow and deep unconfined aquifers are shown in Figures 3 and 4, respectively. A review of these figures demonstrates that the lowest groundwater pH value in the shallow aquifer is found at well OS and the lowest groundwater pH value in the deep unconfined aquifer is found at well KDR. Wells OS and KDR are located near the former battery breaker used at the site.

4.3 Volatile Organic Compounds

The concentrations of VOCs in the groundwater samples are summarized in Table 3. VOCs were detected at low concentrations in groundwater samples from only four of the wells sampled. All of the VOCs were detected at concentrations below

applicable health-based standards and criteria, with the exception of tetrachloroethene (PCE) and vinyl chloride. PCE was apparently detected in the groundwater sample obtained from MW-11 at a concentration of 1.1 parts per billion (ppb), slightly exceeding the health based standard of 1 ppb. The recently detected concentration of PCE is approximately half the concentration detected in January 2004. Vinyl chloride was detected at low concentrations of 9.3 and 4.9 ppb in the groundwater samples obtained from wells MW-12 and MW-24, respectively. MW-12 and MW-24 are screened in the first confined aquifer. Both wells are located at the eastern and hydraulically up gradient edge of the site, adjacent property used by the former Tomah Division of Exxon. The Exxon property is listed in the NJDEP *Known Contaminated Sites in New Jersey* for Salem County, seventh edition (Spring 2006) and is also mentioned along with B.F. Goodrich in the ROD for the Site as a neighboring industrial facility in the vicinity of these wells. VOCs are known to have been released by others into the environment at the former Tomah Division of Exxon property and are the likely sources of vinyl choride.

4.4 Inorganic Constituents

As was previously documented, lead and cadmium have historically been detected at some of the groundwater sample locations at the site (Table 3). Consistent with historical data, the higher concentrations of lead and cadmium were detected in the central portion of the site. The distributions of lead in groundwater in the shallow and deep unconfined aquifers are shown in Figures 5 and 6, respectively. The distributions of cadmium in groundwater in the shallow and deep unconfined aquifers are shown in Figures 7 and 8, respectively.

The former distribution of lead and cadmium in the unconfined aquifer documented at the site is shown in the figures provided in Appendix C. A comparison of Figures 5 through 8 with the respective figures in Appendix C for lead and cadmium reveals that the zones of lead and cadmium impacts remain isolated on the site and have decreased dramatically. The presence of lead in the deep unconfined aquifer has essentially decreased to non-detect as shown on Figure 6.

Although lead was apparently detected in the samples obtained from wells ND and MW-34, they are spurious artifacts related to sampling. The samples were turbid, which caused false positive results. The lack of detection of dissolved lead in the samples is a more reliable indicator of actual groundwater quality than the results obtained from turbid samples.

The trend of improving groundwater quality is also evident for total lead data for the shallow, unconfined aquifer as shown on Figure 5. Discounting spurious data

related to turbidity, lead was only detected in the samples obtained from wells OS (388 ug/L), SS (82.9 ug/L) and 27 (6.2 ug/L). These data are also consistent with historical data and further document the trend of improving groundwater quality.

The cadmium results shown on Figures 7 and 8 also reflect a greatly reduced impact compared to historical data. The total cadmium detections in the shallow unconfined aquifer (Figure 7) remain centered in the vicinity of the former smelter foundation at well MW-30R. The area of impact is much smaller than previously measured and the frequency and concentrations of detections has also diminished. The greater concentrations of total cadmium are evident in the deep unconfined aquifer with the highest concentrations centered northwest of the former smelter foundation. This is consistent with the locations of the highest historical cadmium detections as well (see Appendix C).

The January 2004 groundwater data are provided as Table 4 for comparison to the recent data. By comparing the 2007 data to the 2004 data it is clear that the respective concentrations of total lead and cadmium have generally decreased. Lead concentrations have decreased dramatically across the site, with the exception of well OS where lead concentrations have risen. Based on stationary zones of impact and generally decreasing concentrations, it is evident that lead and cadmium are less prevalent in groundwater now than in the past. The continued removal of lead and cadmium from groundwater has occurred without active groundwater remediation.

4.5 Commercial/Residential Properties

The results of the April 2007 commercial/residential property water sampling were presented to the EPA in a letter report dated 31 July 2007. The results presented in that report are similar to those presented in April 2004 and in September 2006 and indicate that the lead and cadmium concentrations in the residential water samples were either not detected or were significantly below the New Jersey drinking water standards.

As demonstrated previously, it is clear that site-related constituents have not impacted the water quality at the private properties. Salient information presented in the letter report includes the following.

- groundwater did not previously flow from the site beneath all of the private properties;
- the zones of impact at the site have not migrated, but have steadily been shrinking for more than twenty years;
- there is no consistency between detections of metals in water samples and the locations of the properties sampled; and,

- there is a decided lack of cadmium in the water samples obtained from the private properties, but cadmium is prevalent at the site.

The groundwater data obtained from MW-13 through MW-17 and groundwater flow information demonstrate that constituents in groundwater on the NL site have not and cannot affect the wells at the residential/commercial properties located along Route 130. Wells MW-13 through MW-17 are located between the NL site and the residential/commercial properties located along Route 130. None of the samples obtained from wells MW-13 through MW-17 contained total lead or cadmium. The wells are screened in all of the zones in which any potential constituent migration may have occurred. No evidence of migration of lead in cadmium in groundwater towards these properties has been identified. Furthermore, there is a groundwater flow divide between the site and the commercial/residential properties along Route 130 that prevents constituent migration in groundwater from the site to the commercial/residential properties along Route 130.

5. CONCLUSION AND RECOMMENDATIONS

CSI monitored groundwater quality at the NL Industries site and water quality at several nearby residential/commercial properties in January 2004 and most recently in April 2007. The results presented herein document the continued trend of improving groundwater quality that has been evident since 1983. Total lead and cadmium concentrations exceed EPA's performance standards in several locations. Also, the concentrations of the VOCs tetrachloroethane and vinyl chloride exceeded EPA's performance standards in samples obtained from three locations. Two of these locations are related to the neighboring Exxon property as discussed in Section 4.3 above. Previously, detections of lead, cadmium and VOCs were more prevalent than in the April 2007 sampling event. The data presented herein confirm that groundwater quality at the site has, and continues to, improve naturally.

No significant concentrations of site-related constituents were measured off-site. Groundwater is not used on site and its future use can be prevented through institutional controls. Based on the naturally occurring improvement in groundwater quality, the lack of off-site transport of constituents in groundwater and the lack of on-site use of groundwater, it is improbable that humans will be exposed to site related constituents in groundwater. Therefore, the natural rate of improvement in groundwater quality is adequate and there is no apparent need for active groundwater remediation. Continued monitoring will suffice to document improving conditions and protection of human health and the environment. However, if desired it may be feasible to increase the rate of improvement.

CSI recommends that the Group continue to monitor groundwater quality on the site. Annual monitoring will be adequate given the improving site conditions. CSI recommends that the reduced list of wells identified in Table 5 be used for future groundwater monitoring. A groundwater-monitoring network comprised of the identified wells will be sufficient to document site conditions and identify any potential migration of contaminants from the site. This recommendation will be discussed in further detail in the Focused Feasibility Study currently being prepared by CSI to address groundwater remediation alternatives at the site. Based on favorable results CSI does not believe that further monitoring of water from the residential/commercial properties is warranted.

6. REFERENCES

CSI Environmental, LLC, *Groundwater Monitoring Report*, April 2004.

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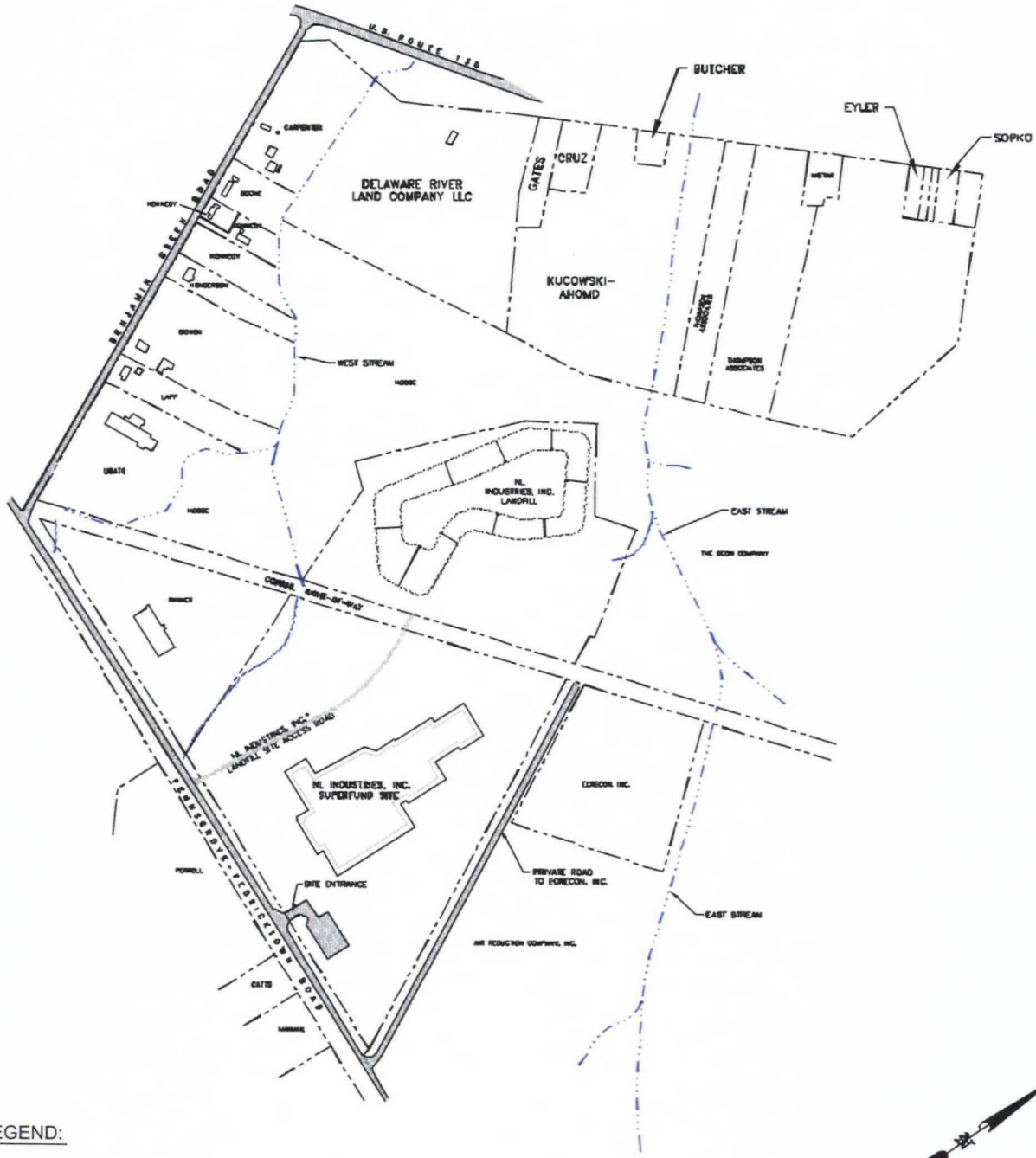
NJDEP, *Known Contaminated Sites in New Jersey* – Salem County, Seventh Edition, Spring 2006.

Puls and Barcelona, Low-Flow (Minimal Draw Down) Ground-Water Sampling Procedures, 1998.

FIGURES



LEGEND:

PROPERTY LINE

STREAM

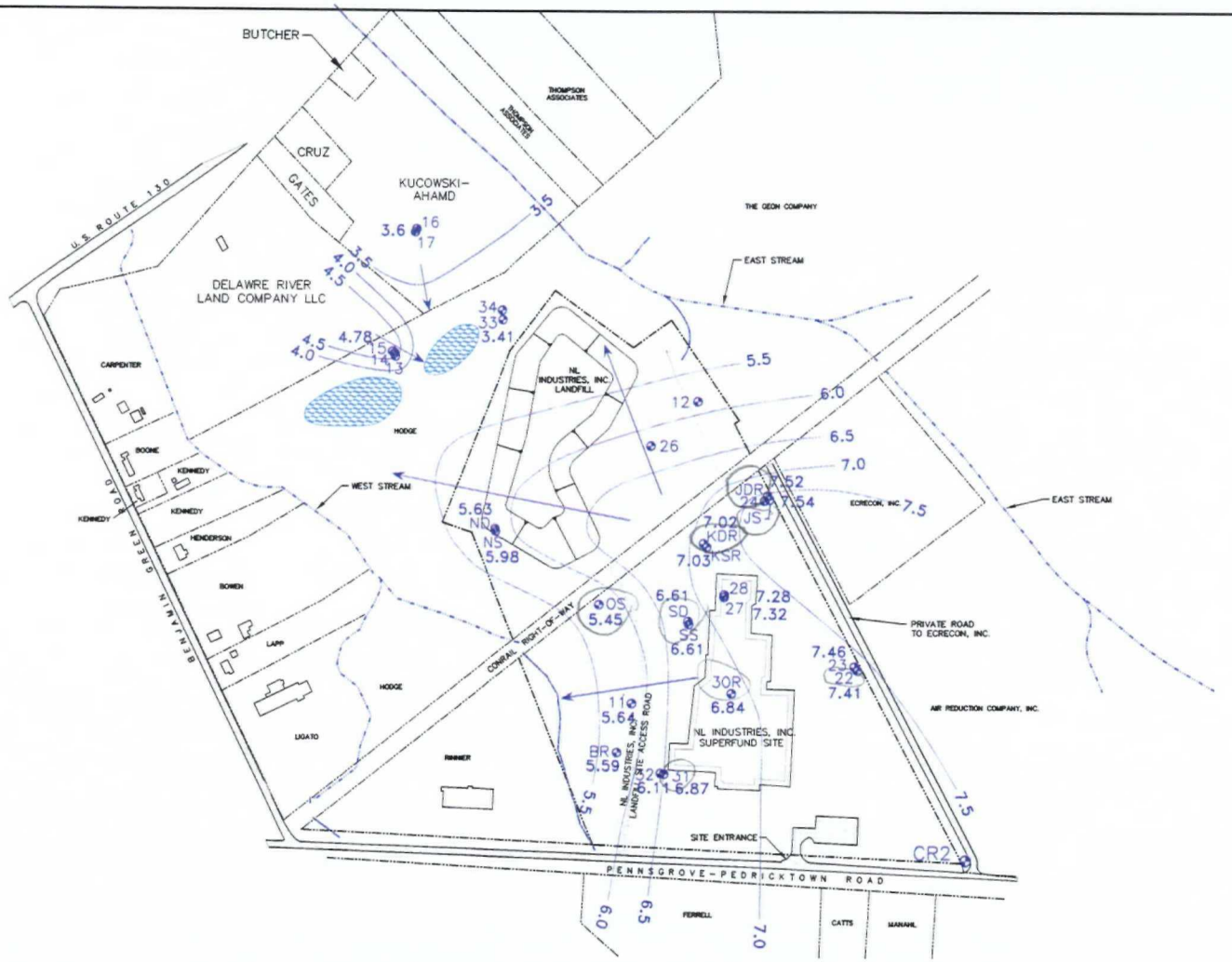
0 300 600

SCALE IN FEET

CSI Environmental, LLC 918 Chesapeake Ave. Annapolis, MD 21403 410-268-2765	Location Plan NL Industries Superfund Site Pedricktown, New Jersey	FIGURE 1

APPROVED: C.STEVENS | DRAFTER: J.GOFORTH

Date\Time : Tue, 30 May 2006 - 4:57pm | Path\Name : C:\LIBRARY\csi\New NL\FIG-1-PW.dwg



LEGEND:

- PROPERTY LINE
- STREAM
- 11 EXISTING WELL (APPROXIMATE)
- 6.0 POTENTIOMETRIC SURFACE CONTOUR
- GENERALIZED GROUNDWATER FLOW DIRECTION
- (7.40) GROUNDWATER ELEVATION
- SURFACE WATER

NOTE:

1. GROUNDWATER ELEVATION DATA COLLECTED IN APRIL 2007.
2. ONLY WATER LEVELS FROM THE SHALLOW UNCONFINED AQUIFER USED FOR THIS FIGURE.

0 200 400
SCALE IN FEET

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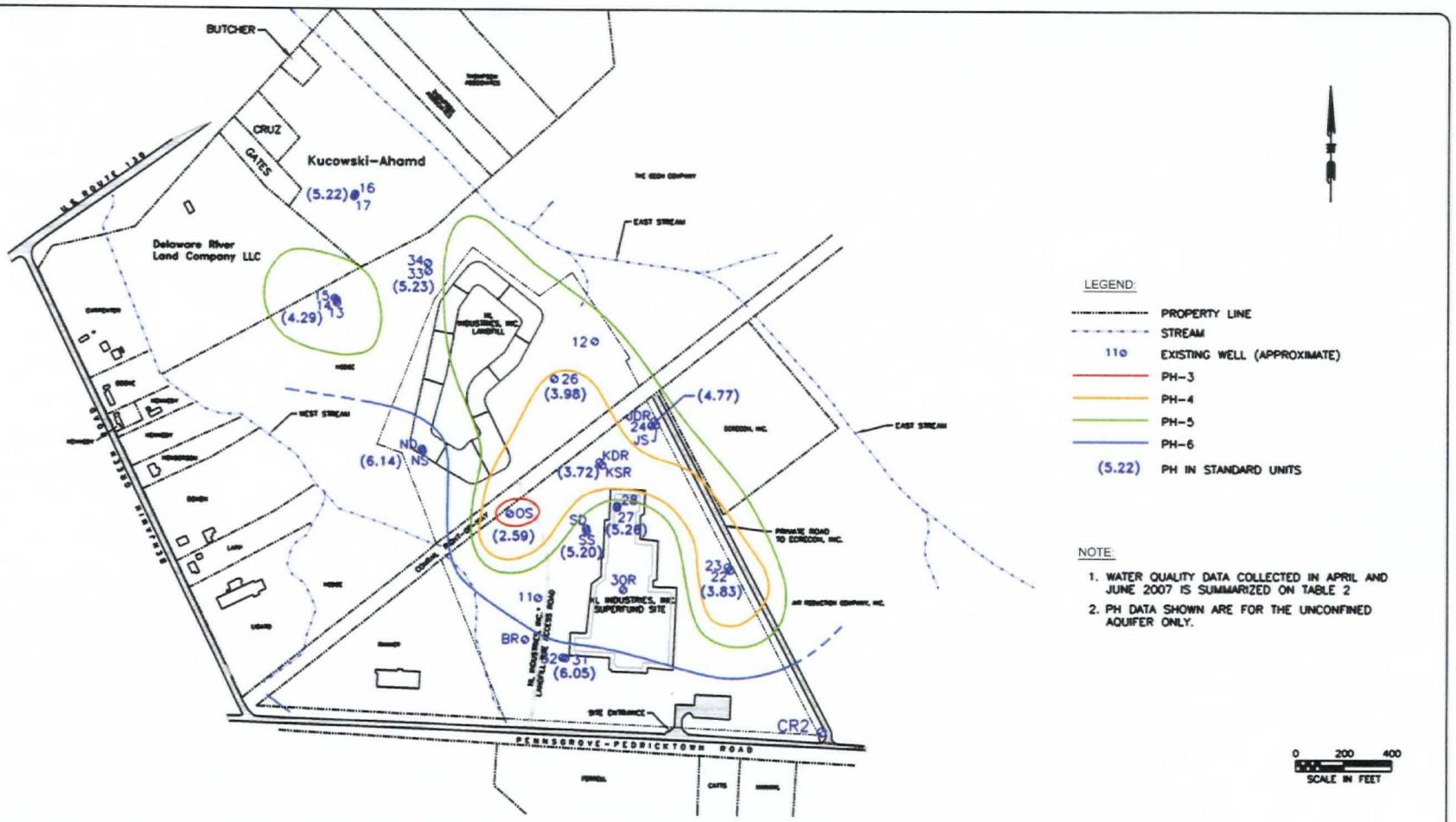
Groundwater Elevations and Inferred Flow Direction, April 2007

NL Industries Superfund Site
Pedricktown, New Jersey

FIGURE 2

Date\Time : Sat, 28 Jul 2007 - 1:56pm | Path\Name : C:\LIBRARY\csi\NL\April-2007-R.dwg | CHECKED: CHECKER | APPROVED: MANAGER | DRAFTER: DRAFTER



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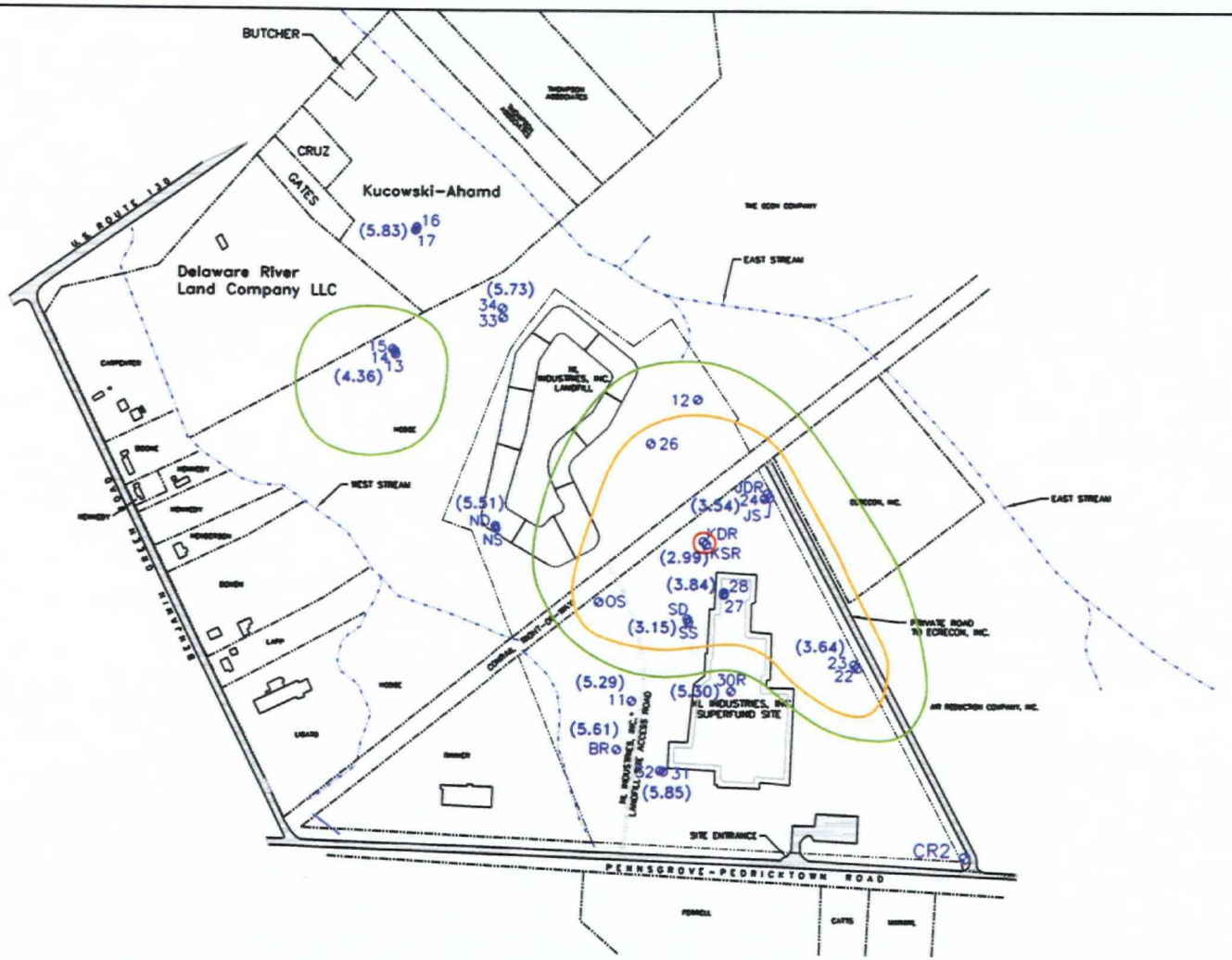
Groundwater PH - 2007
Shallow Zone

NL Industries Superfund Site
Pedricktown, New Jersey

FIGURE
3



LEGEND:

- PROPERTY LINE
- STREAM
- 11 EXISTING WELL (APPROXIMATE)
- PH-3
- PH-4
- PH-5
- PH-6
- (5.22) PH IN STANDARD UNITS

NOTE:

1. WATER QUALITY DATA COLLECTED IN APRIL AND JUNE 2007 IS SUMMARIZED ON TABLE 2
2. PH DATA SHOWN ARE FOR THE UNCONFINED AQUIFER ONLY.

0 200 400
SCALE IN FEET

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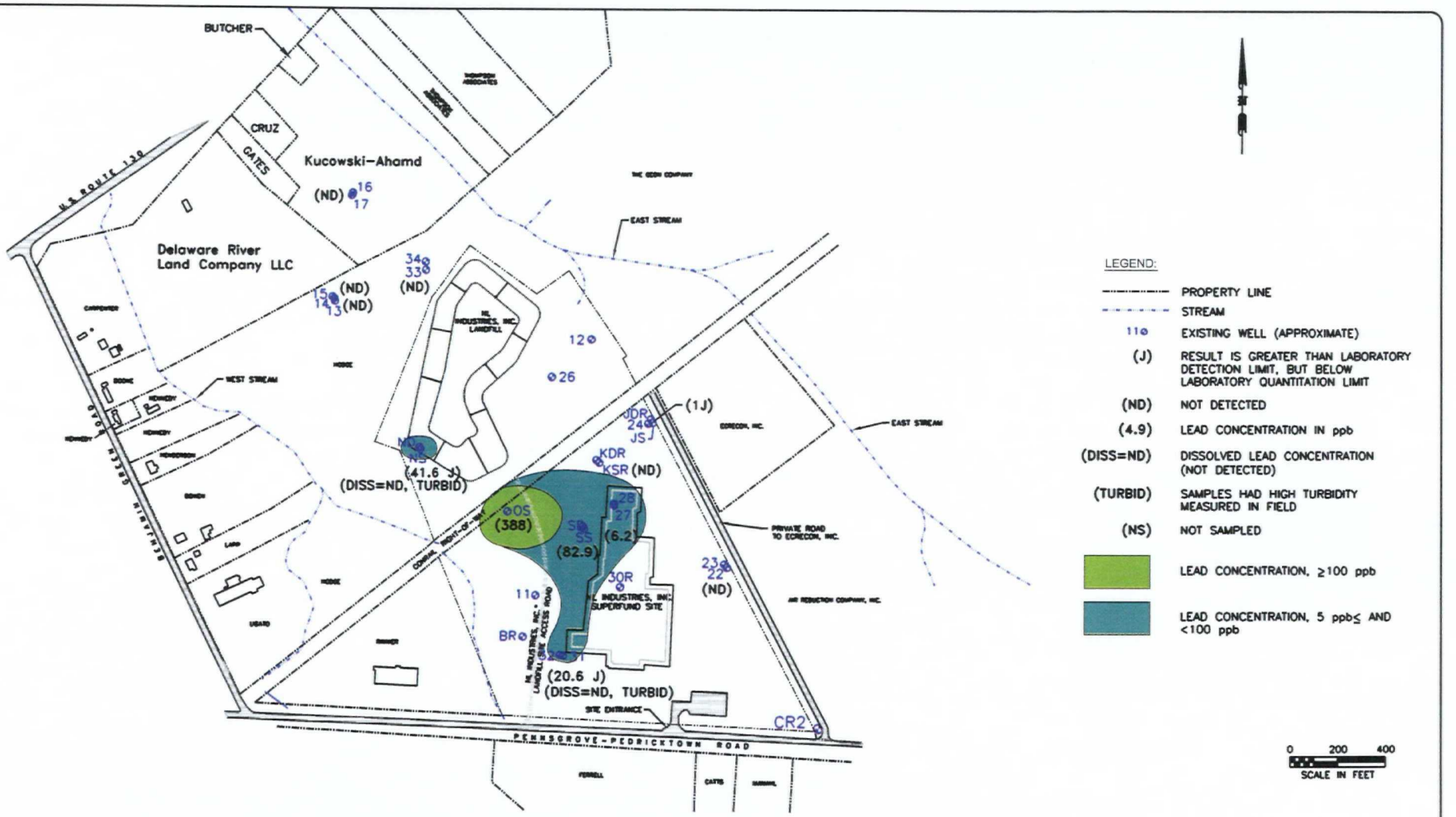
Groundwater PH - 2007
Deep Zone

NL Industries Superfund Site
Pedricktown, New Jersey

FIGURE
4



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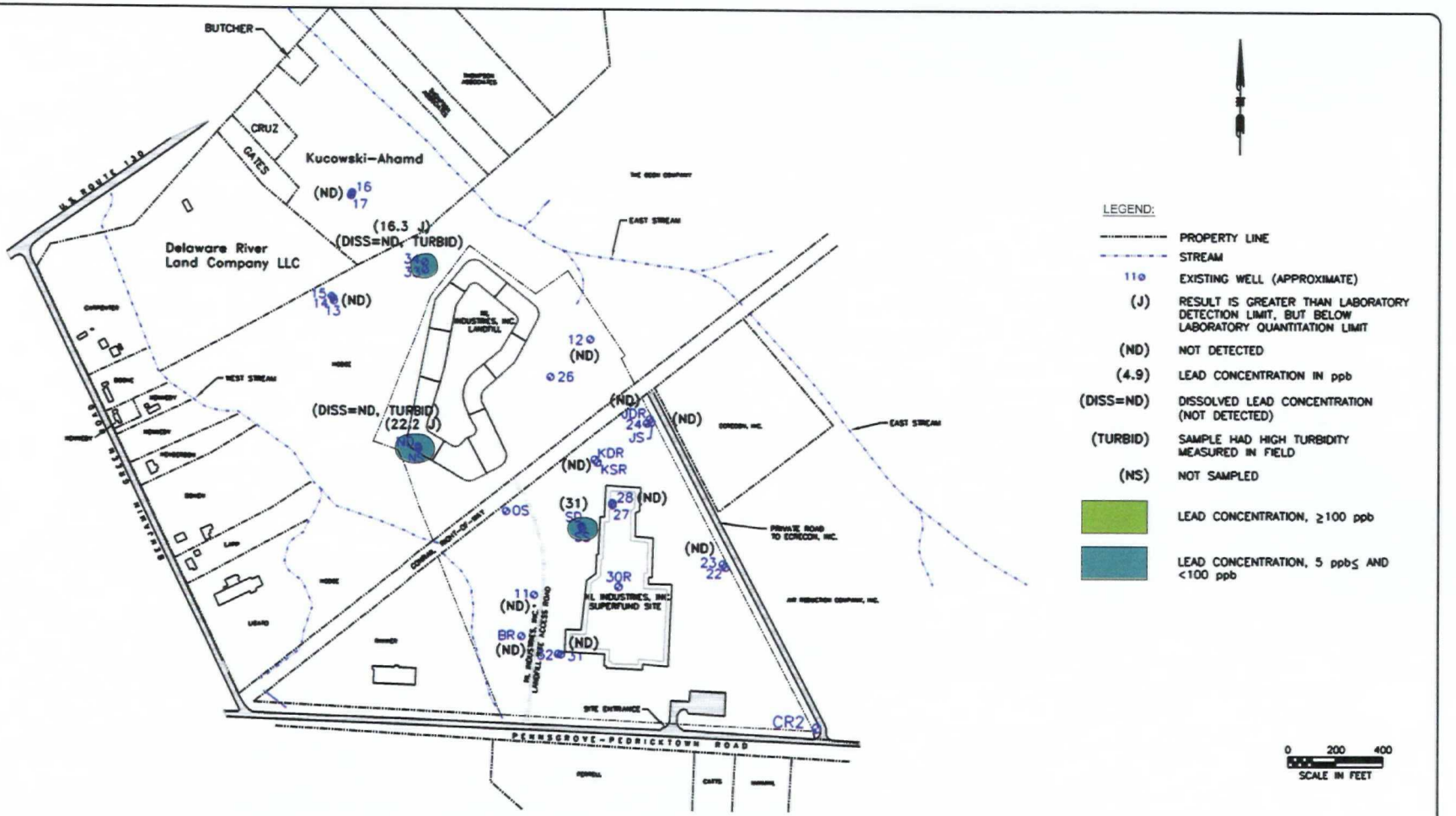
Total Lead Concentration
Shallow Unconfined Aquifer - 2007

NL Industries Superfund Site
Pedricktown, New Jersey

FIGURE
5



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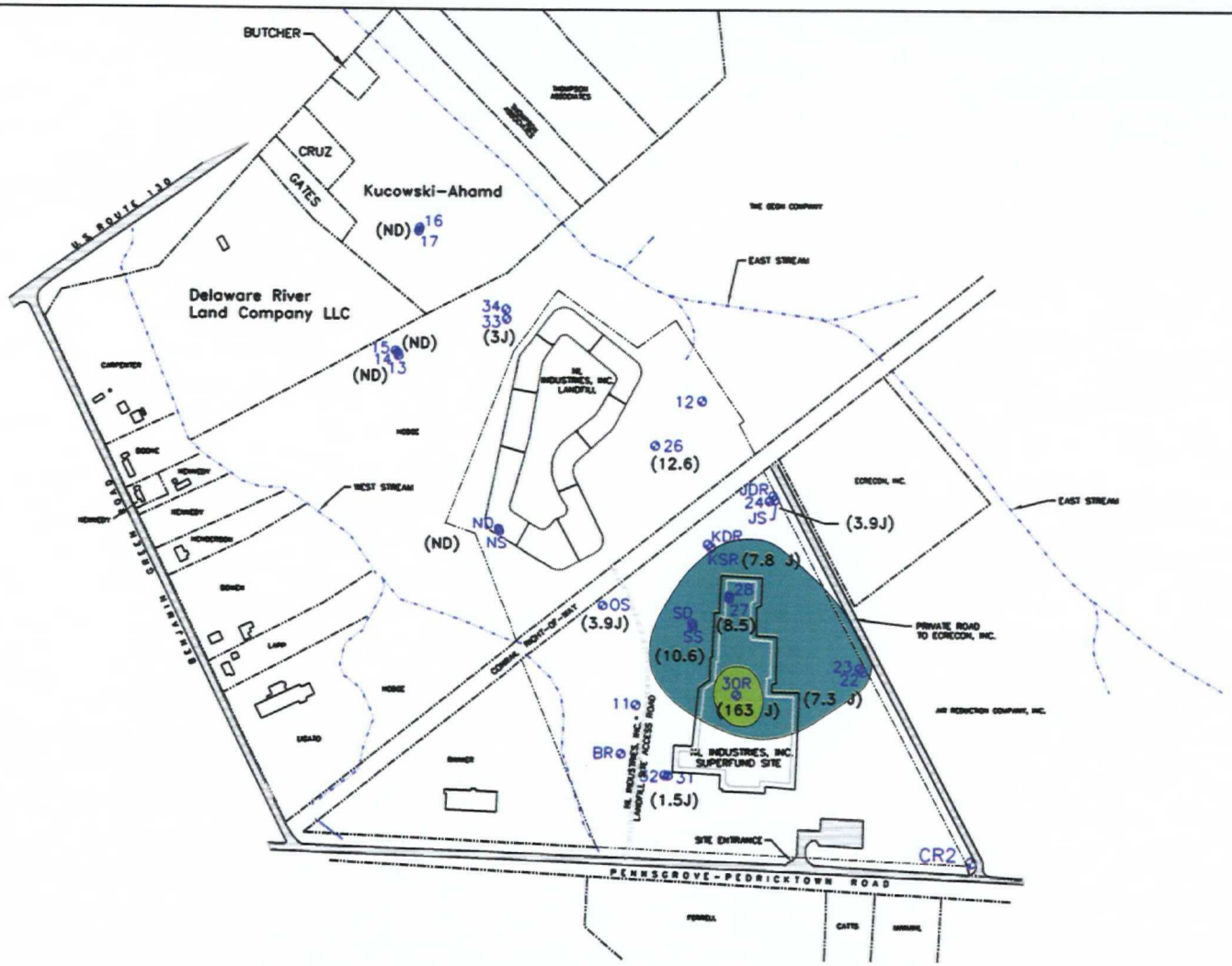
Total Lead Concentration
Deep Unconfined Aquifer - 2007

NL Industries Superfund Site
Pedricktown, New Jersey

FIGURE
6



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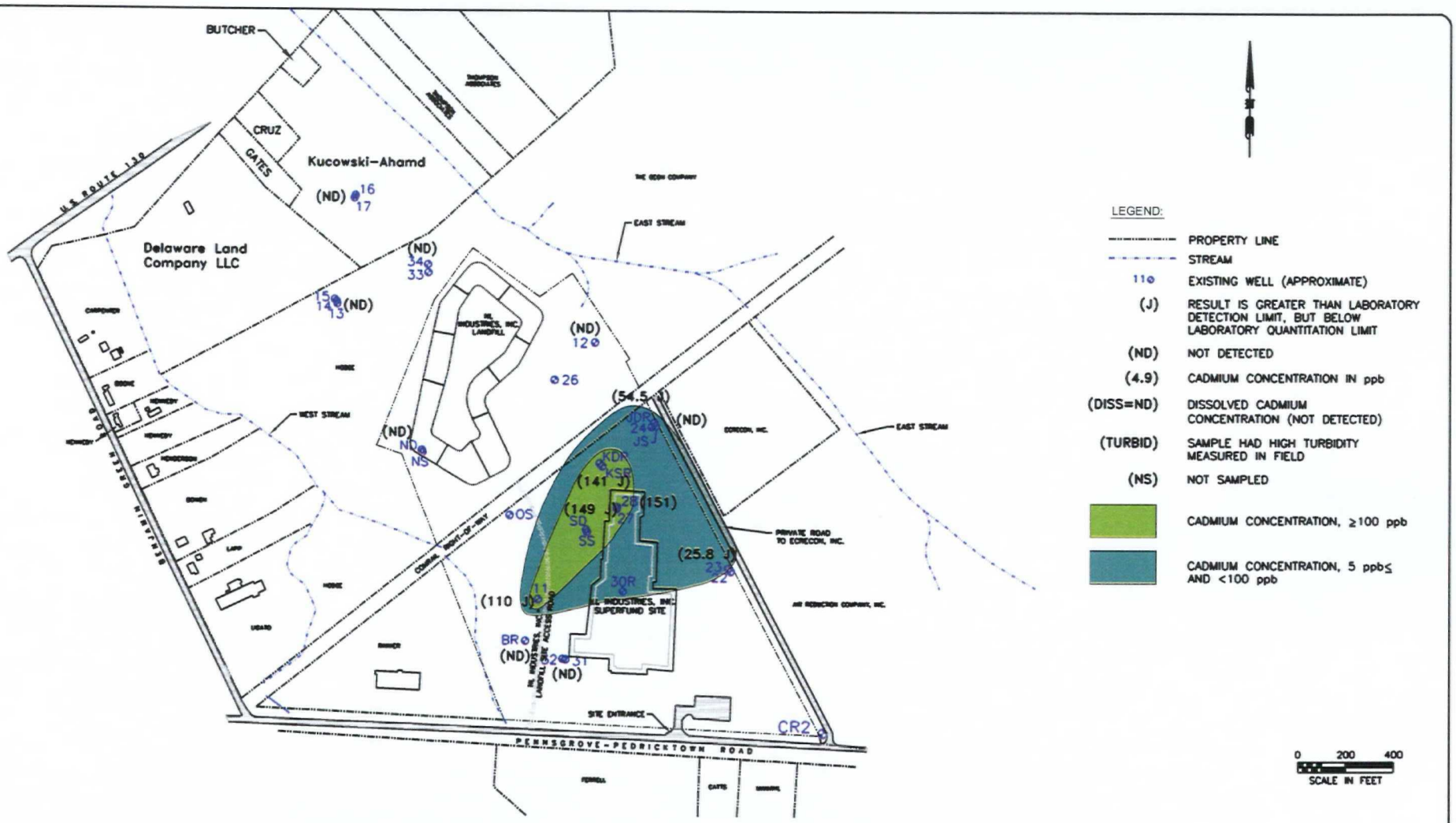
Total Cadmium Concentration
Shallow Unconfined Aquifer - 2007

NL Industries Superfund Site
Pedricktown, New Jersey

FIGURE
7



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410-268-7261

Total Cadmium Concentration
Deep Unconfined Aquifer - 2007

NL Industries Superfund Site
Pedricktown, New Jersey

FIGURE
8

TABLES

Table 1
Groundwater Monitoring Locations, Groundwater Elevations and Well Construction Details
NL Industries Superfund Site
Pedricktown, New Jersey

Monitoring Well	Casing Diameter	Well Depth (1)	Screened Interval (2)	Top of Casing Elevation (3)	Depth To Water (4)	Groundwater Elevation	Aquifer Zone (5)
BR	4	39	33-39	9.74	4.15	5.59	UA
JS	2	15.5	5-15	12.95	5.41	7.54	UA
JDR	2	27.3	17-27	13.01	5.49	7.52	UA
KSR	2	17	5-15	9.53	2.5	7.03	UA
KDR	2	27.35	14-24	9.47	2.45	7.02	UA
NS	2	16.3	6.5-16.5	12.17	6.19	5.98	UA
ND	2	23.93	14-24	11.22	5.59	5.63	UA
OS	2	21.22	6.3-21.3	11.82	6.37	5.45	UA
SS	2	16.4	6.4-16.4	11.64	5.03	6.61	UA
SD	2	29.25	17.4-29.4	12.33	5.72	6.61	UA
11	4	54.1	34.1-54.1	9.72	4.08	5.64	UA
13	4	115.7	95.7-115.7	10.6	17.3	-6.7	SCA
14	4	46.6	26.6-46.6	10.405	5.97	4.435	UA
15	4	25	10.0-25.0	10.34	5.56	4.78	UA
16	4	56.8	36.8-56.8	8.47	7.73	0.74	UA
17	4	23	8.0-23.0	8.36	4.76	3.6	UA
22	2	23.1	11-16	14.16	6.75	7.41	UA
23	2	34.25	24-34	14	6.54	7.46	UA
26	2	21.8	12-22	11.86	4.91	6.95	UA
27	2	15	5-15	13.49	6.17	7.32	UA
28	2	30	20-30	13.98	6.7	7.28	UA
30R	2	28.71	17-27	12.81	5.97	6.84	UA
31	2	16.55	5-15	14.27	7.4	6.87	UA
32	2	32.11	20-30	14.22	8.11	6.11	UA
33	2	12.65	5-10	6.67	3.26	3.41	UA
34	2	22.3	10-20	6.55	2.91	3.64	UA
12	4	78.2	58.2-78.2	11.79	11.37	0.42	FCA
24	2	74.6	68-73	13.13	12.79	0.34	FCA

(1) Depth to bottom of well in feet below top of casing (TOC).
(2) Screened interval of well in feet below ground surface.
(3) TOC elevation in feet above mean sea level.
(4) Depth to water in feet below TOC, measured in April 2007.
(5) UA = Unconfined Aquifer , FCA = First Confined Aquifer, SCA = Second Confined Aquifer.

Table 2
Water Quality of Sampled Wells, April 2007
NL Industries Superfund Site
Pedricktown, New Jersey

Monitoring Well	ORP (mv)	Turbidity (NTU)	D.O. (mg/L)	pH	Conductivity (ms/cm)	Temperature (Deg. C)
BR	-302	8.5	0	5.61	1.65	13
JS	42	40.8	1.65	4.77	0.1	10
JDR	385	19	0	3.54	0.592	11.3
KSR	-54	30	0	3.72	0.293	10
KDR	409	20.3	0	2.99*	10.6	11.64
NS	-80	46.8	1.99	6.14	0.286	9.3
ND	-45	49.6	0	5.51	0.72	11.6
OS	-23	18	0	2.59*	0.9	10.9
SS	-126	11.7	0	5.2*	4.72	11.8
SD	277	2.1	0	3.15*	35.6	13.05
11	274	5.3	0	5.29	2.12	14.46
13	46	10	0	4.87	0.564	13.7
14	94	11.6	1.2	4.36	0.144	13.3
15	259	19	3.96	4.29	0.051	11.1
16	-50	41	0	5.83	0.203	13.4
17	121	33.5	0	5.22	0.429	9.7
22	433	4.7	0	3.83	0.215	12.46
23	140	3	0	3.64	5.2	13
26	272	12.5	0	3.98	3.32	11.58
27	-51	14	4.36	5.26	0.465	11
28	298	10.2	0	3.84	0.992	11.7
30R	190	9.6	0	5.3	1.99	12.82
31	103	28	1	6.05	0.188	11.75
32	-243	33	0	5.85	1.99	13.2
33	104	11.5	0	5.23	1.14	10.1
34	-171	155	0	5.73	2.35	12.2
12	-206	8.6	0	5.44	0.96	12.8
24	19	11	0	5.71	0.647	14

NA = Not Applicable

* Data from benchscale treatability study sample collection in June 2007 used for these locations.

Table 3
Data Summary for the April 2007 Monitoring Well Sampling
NL Industries Superfund Site
Pedricktown, New Jersey

	Well Number																	Comparison Criteria	
Parameter (ug/L)	11	12	13	14	15	16	17	22	23	24	26	27	MW-100*	28	30R	31	102***	N.J.GWQS, N.J.MCL or PQL	EPA MCL
Inorganics																			
Total Cadmium	110 J	ND	ND	ND	ND	ND	ND	7.3 J	25.8 J	ND	12.6 J	8.5	149	151	183 J	1.5 J	1.2 J	4	5
Dissolved Cadmium	113 J	ND	ND	ND	ND	ND	ND	7.2 J	26.7 J	ND	13 J	7.1	154	163	169 J	1 J	ND	NA	NA
Total Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	6.2	ND	ND	ND	20.6 J	17 J	10	15
Dissolved Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	1.6 J	ND	ND	NA	NA
Organics																			
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	NA
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	1	5
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	80
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	2 (7 in ROD)
1,1-Dichloroethane	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	50
cis-1,2-Dichloroethene	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	70
Methylene Chloride	0.39 U	ND	0.64 U	0.42 U	0.36 U	0.26 U	0.31 U	ND	ND	ND	ND	0.4 U	0.29 U	0.35 U	ND	3.0 U	ND	2	5
Methyl tert-butyl Ether	ND	ND	ND	ND	ND	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	700
Tetrachloroethene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1 (5 in ROD)
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	1,000
1,1,1-Trichloroethane	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	200
Trichloroethene	0.29 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	5
Vinyl Chloride	ND	9.3	ND	ND	ND	ND	ND	ND	ND	4.9	ND	ND	ND	ND	ND	ND	ND	5	2

J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
U = Parameter was flagged in data validation and are considered non-detects.
* 100 is a duplicate sample obtained from monitoring well 28.
** 101 is a duplicate sample obtained from monitoring well KDR.
*** 102 is a duplicate sample obtained from monitoring well 31.
**** Two rinsate blanks were collected (RB-1 and RB-2), RB-1 was collected from the pump used at well 17 , RB-2 was collected from the pump used at well 26, both samples were collected using field blank water supplied by Chemtech.
***** FB-1 is a field blank collected with water supplied by Chemtech, water used for final rinse during decontamination events.
N/A = Not Applicable
ND = Non Detect
RDL = Required Detection Limit (Contract)
MDL = Method Detection Limit (Instrument)
MCL = Maximum Contaminant Level
Note:

Table 3 Cont.
Data Summary for the April 2007 Monitoring Well Sampling
NL Industries Superfund Site
Pedricktown, New Jersey

	Well Number														QA/QC Samples							Comparison Criteria	
Parameter (ug/L)	32	33	34	JS	JDR	KSR	KDR	101**	SS	SD	NS	ND	OS	SR	RB-1****	RB-2****	FB-1*****	TB-1	TB-2	TB-3	TB-4	NJGWQS, NJMCL or PQL	EPAMCL
Inorganics																							
Total Cadmium	ND	3.0 J	ND	3.9 J	54.5 J	7.8 J	141 J	139 J	10.6 J	149 J	1.5 U	ND	3.9 J	ND	ND	ND	ND	NA	NA	NA	NA	4	5
Dissolved Cadmium	ND	ND	ND	3 J	60.8 J	3.8 U	166 J	144 J	11.8 J	156 J	1.4 U	ND	4.2 J	1.1 U	ND	1.1 U	ND	NA	NA	NA	NA	NA	NA
Total Lead	ND	ND	16.3	1.0 J	ND	ND	ND	ND	82.9	31	41.6 J	22.2 J	388	ND	ND	ND	ND	NA	NA	NA	NA	10	15*
Dissolved Lead	ND	ND	ND	ND	ND	ND	ND	ND	13	90.4	ND	ND	320	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Organics																							
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.4	ND	ND	ND	ND	700	NA
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	NA
Chloroform	ND	ND	ND	ND	ND	ND	ND	0.98	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	80
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	NA	NA
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	2 (7 in ROD)
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	50
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	700
Methylene Chloride	ND	0.45 U	0.36 U	ND	0.5 U	0.33 U	0.28 U	ND	ND	0.5 U	ND	ND	ND	ND	2.2 U	2 U	3 U	0.55 U	0.84 U	0.45 U	2.5 U	2	5
Mehtyl tert-butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	NA
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1 (5 in ROD)
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND	ND	0.25 J	0.33 J	0.37 J	ND	ND	ND	ND	1,000	1,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	200
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	2
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	10,000

J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.
U = Parameter was flagged in data validation and are considered non-detects.
* 100 is a duplicate sample obtained from monitoring well 28.
** 101 is a duplicate sample obtained from monitoring well KDR.
*** 102 is a duplicate sample obtained from monitoring well 31.
**** Two rinsate blanks were collected (RB-1 and RB-2), RB-1 was collected from the pump used at well 17 , RB-2 was collected from the pump used at well 26, both samples were collected using field blank water supplied by Chemtech.
***** FB-1 is a field blank collected with water supplied by Chemtech, water used for final rinse during decontamination events.
N/A = Not Applicable
ND = Non Detect
RDL = Required Detection Limit (Contract)
MDL = Method Detection Limit (Instrument)
MCL = Maximum Contaminant Level
Note:

Table 4
Data Summary for the January 13-14 and 20, 2004 Monitoring Well Sampling
NL Industries Superfund Site
Pedricktown, New Jersey

	Well Number											QA/QC Samples			Comparison Criteria			
Parameter (ug/L)	11	12	22	23	24	26	27	MW-101**	28	30R	31	RB-2***	FB-2	Trip Blank	RDL	MDL	NJGWQS, NJMCL or PQL	EPAMCL
Inorganics																		
Total Cadmium	416	ND	15.6	74.8	ND	30.8	2.2 J	3.8 J	250	136	ND	ND	0.84 J	NA	5	0.12	4	5
Dissolved Cadmium	415	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	5	0.12	NA	NA
Total Lead	4	4.9	5.7	3.6	4.9	5.6	3 J	3.4	4.2	3.2	34.3	ND	ND	NA	3	0.5	10	15*
Dissolved Lead	5.1	ND	ND	ND	4.3	ND	ND	ND	ND	ND	2.8 J	ND	ND	NA	3	0.5	NA	NA
Organics																		
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	2.5	700	NA
Benzene	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.14	1	5
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5/1	0.5/0.24	6	80
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND	0	0	NA	NA
1,1-Dichloroethene	1.1 J/1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.69/0.11	2	2 (7 in ROD)
1,1-Dichloroethane	1.2 J/1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.66/0.01	70	50
cis-1,2-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.36	10	70
Methylene Chloride	ND	1.9 U	ND	0.54 U	ND	1.6 U	0.78 U	1.5 U	0.83 U	ND	ND	ND	0.65 U	0.51 U	0.5	0.5	2	5
Tetrachloroethene	1.4 J/2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.7/0.22	1	1 (5 in ROD)
1,1,1-Trichloroethane	7.8/11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.75/0.14	26	200
Trichloroethene	ND/0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.27	1	5
Vinyl Chloride	ND	3.7	ND	ND	3.9 J/4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5/1	0.5/0.26	5	2

J = The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL or RDL) but greater than or equal to the Instrument Detection Limit (IDL or MDL)
U = Parameter was flagged in data validation because of laboratory contamination and are considered non-detects.
* MW-100 is a duplicate sample obtained from monitoring well NS.
** MW-101 is a duplicate sample obtained from monitoring well 27.
*** Two rinsate blanks were collected (RB-1 and RB-2), results from RB-1 are not representative because of the inability to properly collect the sample in the field caused by below freezing temperatures.
N/A = Not Applicable
ND = Non Detect
RDL = Required Detection Limit (Contract)
MDL = Method Detection Limit (Instrument)
MCL = Maximum Contaminant Level
Note: For the organics results, where two values are indicated, the first value indicates the result obtained from method OLM03.2 and the second indicates the result obtained using method SW-846 8260B Low Level.

Table 4 Cont.
Data Summary for the January 13-14 and 20, 2004 Monitoring Well Sampling
NL Industries Superfund Site
Pedricktown, New Jersey

	Well Number														Comparison Criteria			
Parameter (ug/L)	32	33	34	JS	JDR	KSR	KDR	SS	SD	NS	MW-100*	ND	OS	BR	RDL	MDL	NJGWQS, NJMCL or PQL	EPAMCL
Inorganics																		
Total Cadmium	ND	0.45 J	ND	3.9 J	14.8	15.1	97.1	105	134	0.55 J	ND	ND	1.4 J	1.3 J	5	0.12	4	5
Dissolved Cadmium	ND	0.4 J	ND	1.5 J	12.6	15.8	92.8	ND	ND	ND	ND	ND	1.4 J	1.4 J	5	0.12	NA	NA
Total Lead	2.3 J	ND	ND	4	12.6	5	11.9	321	36.8	7.4	9.1	18.8	156	5.6	3	0.5	10	15*
Dissolved Lead	ND	ND	2.4 J	3	6.6	4.1	11.2	ND	ND	2.3 J	3.1	10.6	94.9	3.9	3	0.5	NA	NA
Organics																		
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	2.5	2.5	700	NA
Chloroform	ND	ND	ND	ND	ND	ND	0.96 J	ND	0.83	ND	ND	ND	ND	ND	0.5/1.0	0.5/0.24	6	80
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	NA	NA
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.69/0.11	2	2 (7 in ROD)
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.66/0.01	70	50
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	1.9	2.1	ND	ND	ND	ND	ND	0.5	0.5	2	5
Mehtyl tert-butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	N	ND	0.34	ND	ND	1	0.49	70	NA
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.70.22	1	1 (5 in ROD)
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/1	0.750.14	26	200
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5/1	0.5/0.26	5	2

J = The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL or RDL) but greater than or equal to the Instrument Detection Limit (IDL or MDL)
U = Parameter was flagged in data validation because of laboratory contamination and are considered non-detects.
* MW-100 is a duplicate sample obtained from monitoring well NS.
** MW-101 is a duplicate sample obtained from monitoring well 27.
N/A = Not Applicable
ND = Non Detect
RDL = Required Detection Limit (Contract)
MDL = Method Detection Limit (Instrument)
MCL = Maximum Contaminant Level
Note: For the organics results, where two values are indicated, the first value indicates the result obtained from method OLM03.2 and the second indicates the result obtained using method SW-846 8260B Low Level.

Table 5
Recommended Groundwater Monitoring Locations
NL Industries Superfund Site
Pedricktown, New Jersey

Monitoring Well	Well Depth [1]	Screened Interval [2]	Aquifer Zone [5]	Rationale
BR	39	33-39	UA	western limits
JS	15.37	5-15	UA	eastern limits
JDR	27.26	17-27	UA	eastern limits
KSR	15	5-15	UA	central area
KDR	24	14-24	UA	central area
NS	16.5	6.5-16.5	UA	western limits
ND	24	14-24	UA	western limits
OS	21.3	6.3-21.3	UA	western limits
SS	16.4	6.4-16.4	UA	central area
SD	29.4	17.4-29.4	UA	central area
11	54.1	34.1-54.1	UA	western limits
22	16	11-16	UA	eastern limits
23	24	24-34	UA	eastern limits
26	22	12-22	UA	northern limts
27	15	5-15	UA	central area
28	30	20-30	UA	central area
30R	28.71	17-27	UA	central area
31	15	5-15	UA	southern limits
33	10	5-10	UA	northern limts

[1] Depth to bottom of well in feet below top of casing (TOC).
[2] Screened interval of well in feet below ground surface.
[3] UA = Unconfined Aquifer

APPENDIX A
Well OD Abandonment Report

DWR-020
9/05

New Jersey Department of Environmental Protection
Division of Water Supply - Bureau of Water Systems & Well Permitting

WELL ABANDONMENT REPORT

MAIL TO: Bureau of Water Systems & Well Permitting
PO Box 426
Trenton, NJ 08625-0426

WELL PERMIT # 30-2765 of well sealed

DATE WELL SEALED 4/25/07

PROPERTY OWNER National Lead Industries, Inc.

ADDRESS 25 Pennsgrove Pedricktown Rd, Pedricktown NJ.

WELL LOCATION 25 Pennsgrove Pedricktown Rd, Pedricktown, OLDMANS TWP SALEM CO.
Street & No., Township, County

00	17	21
Well No.	Lot No.	Block No.

USE OF WELL PRIOR TO ABANDONMENT: Monitoring

REASON FOR ABANDONMENT: NOT IN USE

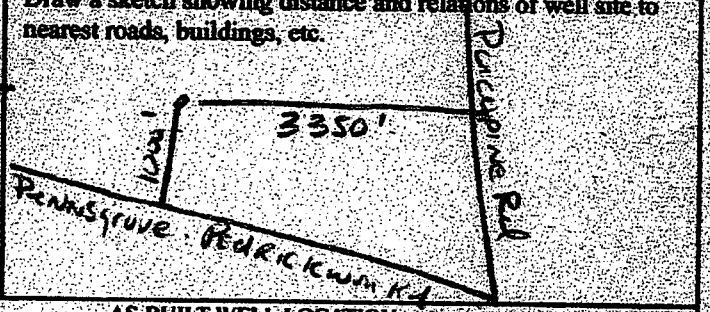
WAS A NEW WELL DRILLED? ☐ YES ☑ NO

PERMIT # OF NEW WELL

TOTAL DEPTH OF WELL 35
DIAMETER 2
CASING LENGTH 20
SCREEN LENGTH 15
NUMBER OF CASINGS 1

Cross-section of sealed well

Draw a sketch showing distance and relations of well site to nearest roads, buildings, etc.



AS-BUILT WELL LOCATION
(NAD 83 HORIZONTAL DATUM)
NJ STATE PLACE COORDINATE IN US SURVEY FEET

N

NORTHING: _____ EASTING: _____
OR
LATITUDE: ___ ___ ' ___ . __ " LONGITUDE: ___ ___ ' ___ . __ "

MATERIAL USED TO DECOMMISSION WELL:

3.5 Gallons of Water
60 Lbs. of Cement
— Lbs. of Bentonite
— Lbs. of Sand/Gravel
(none if well is contaminated)

FORMATION: ____ Consolidated
✓ Unconsolidated

To permit adequate grouting, the casing should remain in place, but ungrouted liner pipes or any other obstructions must be removed. Pressure grouting is the only accepted method.

WAS CASING LEFT IN PLACE? ☑ YES ☐ NO CASING MATERIAL: PVC

WERE OTHER OBSTRUCTIONS LEFT IN WELL? ☐ YES ☑ NO WHAT WERE THE OBSTRUCTIONS: _____

IF "YES", AUTHORIZATION GRANTED BY — ON —
(NJDEP Official) (Date)

Was an alternative decommissioning method used and/or approval to decommission granted by a DEP official? ☐ YES ☑ NO

IF "YES", authorization granted by — ON —
(NJDEP Official) (Date)

I certify that this well was sealed in accordance with N.J.A.C. 7:9D-3 et seq.

Charles Kramer
Performing Work (Print or Type)
Name of NJ Licensed Well Driller

664 So Evergreen Ave Woodbury NJ 5/16/07
Address Mailing Date

D26826

Signature of NJ Licensed Well Driller Performing Work

MD1060
Registration #

COPIES: White - Water Allocation Yellow - Owner Pink - Health Dept. Goldenrod - Driller

APPENDIX B
Validated Laboratory Data

Premier Environmental Services

DATA VALIDATION SUMMARY
OF THE
NL INDUSTRIES SUPERFUND SITE
PEDRICKTOWN, NEW JERSEY

ORGANIC AND INORGANIC ANALYSES
IN AQUEOUS SAMPLES

CHEMTECH LABORATORIES
MOUNTAINSIDE, NEW JERSEY

PROJECT NUMBERS
Y2469
Y2485
Y2486

August, 2007

Prepared for
Construction Services Incorporated
Annapolis, Maryland

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

DATA VALIDATION FOR:	**Volatile Organic Analyses**
SITE:	**NL Industries, Inc. Pedricktown, New Jersey**
REPORT NUMBER:	**Y2469, Y2485, Y2486**
CONTRACT LAB:	**Chemtech Consulting Group**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**August, 2007**
MATRIX:	**Aqueous**

The data validation was performed according to the guidelines in the NJ DEP SOP No. HW-13, Revision 3.0, 7/01, Organic Data Review for Low Concentration Water (OLC03.2, CLP SOW). All data are considered valid and acceptable except those which have been rejected "R" (unusable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of he material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unreliable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

A copy of the qualifiers and their definitions that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents associated with this data set are located in Appendix C of this report. Appendix D of this report contains copies of the correspondence between this data validator and the laboratory. Appendix E of this report contains a complete set of summary forms associated with this data set. These summary forms do not have any validation qualifiers added.

This data assessment is for a total of twenty three (23) aqueous field samples two (2) Trip Blank samples, one (1) Rinse Blank sample and one (1) Field Blank sample listed on the Chain of Custody documents that accompanied the samples to the laboratory. A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report.

The samples in Laboratory Report Y2469 were collected April 24, 2007 and April 25, 2007. The samples were picked up and delivered to the laboratory. The samples were received at Chemtech Consulting Group, located in Mountainside, New Jersey. They were received at the laboratory on April 25, 2007.

The samples in Laboratory Report Y2485 were collected April 25, 2007 and April 26, 2007. The samples were picked up and delivered to the laboratory. The samples were received at Chemtech Consulting Group, located in Mountainside, New Jersey. They were received at the laboratory on April 26, 2007.

The samples in Laboratory Report Y2486 were collected on April 25, 2007 and April 26, 2007. The samples were picked up and delivered to the laboratory. The samples were received at Chemtech Consulting Group, located in Mountainside, New Jersey. They were received at the laboratory on April 26, 2007.

The samples were analyzed for the parameters listed on the chain of custody documents. This report is the review of the Volatile Organic Data. The review of the inorganic sample analyses associated with this data set is located in the Inorganic Data Validation report.

ORGANIC DATA ASSESSMENT

OVERVIEW:

The samples in this data set were to be analyzed for the Target Compound List (TCL) Volatile Organic Analytes. Tentatively Identified Compounds were searched for and reported when detected. The samples were analyzed by EPA method OLC03.2. This method utilizes 25 mls of sample in order to obtain lower method detection limits.

This validation report reviews Chemtech Laboratory Reports Y2469, Y2485 and Y2486.

Eleven (11) groundwater samples, one (1) Rinse Blank sample and one (1) Trip Blank sample are associated with Laboratory Report Y2469.

Eight (8) groundwater samples and one (1) Field Blank sample are associated with Laboratory Report Y2485.

Four (4) groundwater samples and one (1) Trip Blank sample are associated with Laboratory Report Y2486

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Volatile Organic analyses are required to be analyzed within 10 days of validated time of sample receipt (VTSR) in accordance with the SOW. The technical holding time for properly preserved aqueous samples is 14 days from collection.

All of the samples in this data set received at the laboratory in good condition. All samples were properly preserved. The samples associated with Laboratory Reports Y2469 and Y2485 were analyzed within the ten (10) days of sample receipt. The samples in Laboratory Report Y2486 were analyzed within fourteen (14) days of sample collection. The holding time was met for all samples in this data set.

2. SURROGATES:

All samples are fortified with the Deuterated Monitoring Compounds prior to analysis. Fourteen (14) compounds are associated with this method. The method utilizes fourteen (14) Deuterated Surrogate Monitoring Compounds. These compounds monitor purge efficiency. Method specific recovery limits were utilized/reported by Chemtech. All percent recoveries are summarized on the Surrogate Summary Form included with in this report.

Chemtech summarized the surrogate recovery data for all field samples and QC samples associated with this data set. The percent recovery of all deuterated surrogate compounds was reviewed in all field samples associated with this data set.

The surrogate recovery criteria were met for all field samples in this data set. All QC sample surrogate recoveries met QC criteria in Laboratory Report Y2469.

The surrogate recovery criteria were met for all samples in this Laboratory Report Y2485. All surrogate recovery criteria were met in each QC sample associated with this data set with the exception of Bromoform-d in QC sample VLCS01. Data was not qualified based on this anomaly.

2. SURROGATES (cont'd):

The surrogate recovery criteria were met for all samples in this Laboratory Report Y2486. All surrogate recovery criteria were met in each QC sample associated with this data set with the exception of Bromoform-d in QC sample VLCS02. Data was not qualified based on this anomaly.

The samples (VLCS01 and VLCS02) in Laboratory Report Y2485 and Y2486 were analyzed using similar laboratory QC therefore, sample LCS01 and LCS02 were the same sample point.

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data. The laboratory should apply the recovery criteria stated in OLCO3.2 for reporting purposes.

Site specific MS/MSD analysis was not reported in Laboratory Report Y2469. The laboratory prepared two (2) Laboratory Control Samples (LCS). The LCS samples were each fortified with all of the target analytes. The LCS summary form reported the concentration and percent recovery of each target analyte. All percent recoveries met QC criteria in each of the LCS samples associated with this data set.

Site specific MS/MSD analysis is included with Laboratory Report Y2485. MS/MSD analysis was performed on sample JDR. All percent recoveries were met in the MS and MSD sample analysis. All RPD's were met in this MS/MSD sample set with the exception of Bromoform. The RPD was slightly higher (27%) than the QC limit of 20. Data was not qualified based on the results of the MS/MSD sample analysis.

The laboratory prepared one (1) Laboratory Control Sample (LCS). The LCS samples were each fortified with all of the target analytes. The LCS summary form reported the concentration and percent recovery of each target analyte. All percent recoveries with the exception of Tetrachloroethene and Bromoform met QC criteria in the LCS sample associated with this data set. The recoveries were slightly higher than the QC limit. These target analytes were not detected in the field samples therefore no action was taken.

Site specific MS/MSD analysis is included with Laboratory Report Y2486. MS/MSD analysis was performed on sample 22. All percent recoveries were met in the MS and MSD sample analysis. All RPD's were met in this MS/MSD sample set.

The laboratory prepared and analyzed two (2) Laboratory Control Samples (LCS) with this sample set. The LCS samples were each fortified with all of the target analytes. The LCS summary form reported the concentration and percent recovery of each target analyte. All percent recoveries with the exception of Tetrachloroethene and Bromoform met QC criteria in sample LCS02. All percent recoveries with the exception of 2-Butanone and Bromoform met QC criteria in sample LCS03. The recoveries were slightly above QC limits. Sample results were not detected for these target analytes therefore no action was required.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank. The following analytes in the samples shown were qualified "U" for these reasons:

A) Method Blank contamination

One (1) aqueous method blank sample is associated with the samples in Laboratory Report Y2469. This method blank was free from contamination of all target and non-target analytes.

One (1) aqueous method blank sample is associated with the samples in the data set associated with Laboratory Report Y2485. This method blank (VBLK01, 5/8, 2007) was free from contamination of all target analytes with the exception of Methylene Chloride (0.62 ug/l). Methylene Chloride was detected in sample JDR and FB-1. When detected in each of these samples, it has been negated and qualified "U".

Two (2) aqueous method blank samples are associated with the samples in the data set associated with Laboratory Report Y2486. VBLK02 (5/8/07) was free from contamination of all target analytes with the exception of Methylene Chloride (0.62 ug/l). Methylene Chloride was detected in sample SD. When detected, it has been negated and qualified "U".

Qualified data result pages are located in Appendix B of this report.

B) Field (FB) or Equipment Rinse Blank (ERB) contamination

Sample RB-2 (Y2469-07) is associated with Laboratory Report Y2469. This Rinse Blank sample was free from contamination of all target analytes with the exception of Methylene Chloride (2.0 ug/l) and Toluene (0.33 J ug/l). Methylene Chloride was also detected in sample Trip Blank -3 (TB-3, Y2469-13). The Methylene Chloride detected in sample RB-2 has been qualified "U" not-detected. Toluene was not detected in any of the field samples associated with this data set.

Sample FB-1 (Y2485-09) associated with this data set was free from contamination of all target analytes with the exception of Acetone (9.4 ug/l), Methylene Chloride (3.0 ug/l) and Toluene (0.37 J ug/l). This analyte was also detected in the associated method blank sample. The Methylene Chloride detected in sample FB-1 has been qualified "U" not-detected.

Qualified data result pages are located in Appendix B of this report.

4. BLANK CONTAMINATION (cont'd):

C) Trip Blank contamination

Trip Blank sample TB-3 (Y2469- 13) was free from contamination of all target and non-target analytes with the exception of Methylene Chloride (0.45 Jug/l). Methylene Chloride, when detected in the associated samples has been negated and qualified "U".

The Trip Blank sample TB-4 (Y2486-07) was free from contamination of all target analytes with the exception of Methylene Chloride (2.5 ug/l). Methylene Chloride was detected sample SD in this data set. Methylene Chloride was also detected in the associated Method Blank sample. The Methylene Chloride has been negated in sample SD and qualified "U".

Qualified data result pages are located in Appendix B of this report.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

All GC/MS BFB tuning criteria associated with these sample analyses met QC criteria.

6. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance.

A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. The average response factor for the Low Concentration VOA Target Compound List (TCL) must be greater than or equal to 0.05 in both initial and continuing calibrations unless the compounds is listed as a "poor performer". The list of "poor performer" analytes is located in the validation documents. A value less than 0.05, (0.01/poor performer) indicates a serious detection and quantitation problem (poor sensitivity). USEPA data validation criteria state that if the minimum RRF criteria are not met in an initial calibration the positive results are qualified "J". Non-detect results in the initial calibration with a RRF <0.05 (0.01/poor performer) are qualified "R", unusable. If RRF criteria are not met in the continuing calibration curve analysis, affected positive analytes will be qualified "J" estimated.

One calibration curve is associated with all of the samples in this data set. The initial calibration curve analysis was performed May 1, 2007 on GC/MS Instrument F. A five (5) point calibration (0.5 ug/l, 1.0 ug/l, 5.0 ug/l, 10 ug/l, 25.0 ug/l) curve was analyzed. The average response factor for all target analytes met QC criteria in this initial calibration curve analysis.

One (1) continuing calibration standard analysis is associated with Laboratory Report Y2469. The continuing calibration standard analysis was performed on May 3, 2007. All response factor criteria were met for all target analytes in the continuing calibration standard analyzed on May 3, 2007.

One (1) continuing calibration standard analysis is associated with Laboratory Report Y2485. The continuing calibration standard analysis was performed on May 8, 2007. All response factor criteria were met for all target analytes in the continuing calibration standard analyzed on May 8, 2007.

Two (2) continuing calibration standard analyses are associated with laboratory report Y2486. The CCV standards were analyzed on May 8, 2007 and May 9, 2007. The response factor criteria were met for all target analytes in each of the continuing calibration standards associated with this data set.

6. GC/MS CALIBRATION (Cont'd):

B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 30%. The analytes listed as "poor performers" must have an RSD of less than or equal to 50%. The %D must be <25% (50% for poor performers) in the continuing calibration standard. This criteria has been applied to all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgement. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines.

One (1) initial calibration cure analysis is associated with all samples in this data set. It was performed on GC/MS Instrument F (5/1/07). All %RSD criteria in the initial calibration curve analysis associated with this data set met.

One (1) continuing calibration standard analysis is associated with the samples in Laboratory Report Y2469. The CCV standard associated with this data set was analyzed on May 3, 2007 (File ID: VF006768.D). All %D criteria in the continuing calibration standard met QC criteria.

One (1) continuing calibration standard analysis is associated with the samples in Laboratory Report Y2485. The CCV standard associated with this data set was analyzed on May 8, 2007 (File ID: VF006822.D). All %D criteria in the continuing calibration standard met QC criteria.

Two (2) continuing calibration standard analyses are associated with the samples in Laboratory Report Y2486. The CCV standard associated with this data set was analyzed on May 8, 2007 (File ID: VF006822.D) and May 9, 2007 (File ID: VF006841.D). All %D criteria in each of the continuing calibration standards.

7. INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50-100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50-100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard evaluation criteria have been applied to all field and QC samples.

Each of the samples in this data set was fortified with the Internal Standards, Pentaflurobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d5. All internal standard area counts and retention time shifts met QC criteria in each of the samples associated with this data set.

8. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound.

The samples with this data set were analyzed in accordance with EPA Method OLC03.2 as per the COC documents that accompanied the samples to the laboratory. The samples in each of the laboratory reports were analyzed using a 25 ml aliquot of sample. Lower (0.5 ug/L) detection limits were reported on the result forms. A library search for Tentatively Identified Compounds (TIC's) was performed for each sample in this data set and reported. TIC's when detected were reported on the result forms.

Eleven (11) groundwater samples, one (1) Rinse Blank (RB-2) and one (1) Trip Blank sample (TB-3) are associated with Laboratory Report Y2469. Methylene Chloride was detected in both the Trip Blank and Rinse Blank sample in this data set. The Methylene Chloride has been negated in each of the samples (with the exception of the Trip Blank sample) and qualified "U". All of the samples were analyzed without additional dilution and reported to the lowest reporting limit.

Qualified data result pages are located in Appendix B of this report.

Eight (8) samples and one Field Blank sample are associated with Laboratory Report Y2485. All of the samples in this data set were analyzed without additional dilution. Methylene Chloride was detected in the method blank (VBLK01) and Field Blank sample (FB-1). All groundwater samples in this data set were free from contamination of Methylene Chloride with the exception of sample JDR and the Field Blank. Methylene Chloride has been negated in each of these samples and qualified "U".

Qualified data result pages are located in Appendix B of this report.

Four (4) samples and one Trip Blank sample are associated with Laboratory Y2486. All of the samples in this data set were analyzed without additional dilution. Methylene Chloride was detected in the method blank (VBLK01) and the Trip Blank (TB-4) sample. All groundwater samples in this data set were free from contamination of Methylene Chloride with the exception of sample SD. Methylene Chloride has been negated and qualified "U" in sample SD.

Qualified data result pages are located in Appendix B of this report.

ORGANIC DATA ASSESSMENT

9. FIELD DUPLICATE ANALYSIS:

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Analytes reported above the reporting limit are listed below. Data was not qualified based on the RPD of field duplicate sample analyses.

Sample KDR (Y2469-03) and 101 (Y2469-10) are field duplicate samples.

Sample ID: KDR (Y2469-03)/101 (Y2469-10)

Analyte	Concentration (ug/L)	Concentration (ug/L)	RPD (%)
Chloroform	0.33	ND	NC
Methylene Chloride	ND	0.98	NC

ND denotes Not Detected
NC denotes Not Calculated

Methylene Chloride was detected in both the Trip Blank and Rinse Blank sample associated with Laboratory Report Y2469. This target analyte is a common laboratory contaminant that was negated when detected in all samples in this data set by this data qualifier.

Sample 102 (Y2485-01) and 31 (Y2485-03) are field duplicate samples. Target analytes were not detected in either field duplicate sample, therefore comparison of field duplicate data was performed.

ORGANIC DATA ASSESSMENT

10. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT:

Analytical QC criteria of the method analyzed were met for the analytical data submitted. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

The samples in the complete data set were to be analyzed in accordance with the Low Level Volatile Organic method specified by the COC documents (OLC03.2).

Laboratory report Y2469 consisted of thirteen (13) samples that were analyzed for Volatile Organic Analytes. All data was reported in accordance with the cited method.

Laboratory report Y2485 consisted of nine (9) samples that were analyzed for Volatile Organic Analytes. All data was reported in accordance with the cited method.

Laboratory report Y2486 consisted of five (5) aqueous samples that were analyzed for Volatile Organic Analytes. All data was reported in accordance with the cited method.

Methylene Chloride was detected in each of the Trip Blanks associated with these data sets and has been negated in each of the field samples. The sample data associated with the method reported is acceptable for use, with the noted data qualifiers.

Qualified data result pages are located in Appendix B of this report. Appendix E of this report contains a complete set of result forms and QC summary forms without data qualifiers. These are the QC summary forms that were provided in the original data report.

DATA VALIDATION FOR:	**Total and Dissolved Lead and Cadmium Analyses**
SITE:	**NL Industries, Inc. Pedricktown, New Jersey**
PROJECT NUMBER:	**Y2469, Y2485, Y2486**
CONTRACT LAB:	**Chemtech Consulting Mountainside, New Jersey**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**July, 2007**
MATRIX:	**Aqueous**

The data validation was performed according to the guidelines in the current SOP No. HW-2 (Revision 13), September, 2005 for the Evaluation of Metal Data for the Contract Laboratory Program. All data are considered valid and acceptable except those analytes which have been rejected "R" (unusable/unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of he material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Appendix A of this report contains a copy of the definitions that may be used in this report. Appendix B of this report contains the qualified data result pages associated with this data set. Appendix C of this report contains a copy of the Chain of Custody (COC) documents that accompanied the samples to the laboratory. Appendix D of this report contains copies of all correspondence between this data validator and the laboratory. Appendix E of this report contains a copy of all unqualified data result pages and the QC summary sheets associated with this data set.

OVERVIEW

This data assessment is for a total of twenty five (25) aqueous samples and two (2) Trip Blank samples listed on the Chain of Custody documents that accompanied the samples to the laboratory. Each of the twenty five (25) samples analyzed for Total and Dissolved metals. A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report.

Laboratory Report Y2469 consists of twelve (12) groundwater samples collected April 24, 2007 and April 25, 2007. The samples were received by Chemtech Consulting, located in Mountainside, New Jersey. The samples were received at the laboratory on April 25, 2007 for the analyses requested on Chain of Custody. This data set also included a Trip Blank sample that was analyzed for Volatile Organic Analytes.

Laboratory Report Y2485 consists of eight (8) groundwater samples and one (1) Field Blank samples collected April 25, 2007 and April 26, 2007. The samples were received by Chemtech Consulting, located in Mountainside, New Jersey. The samples were received at the laboratory on April 26, 2007 for the analyses requested on Chain of Custody.

INORGANIC DATA ASSESSMENT

OVERVIEW (cont'd):

Laboratory Report Y2486 consists of four (4) groundwater samples. The samples in this data set were collected April 26, 2007. The samples were received by Chemtech Consulting, located in Mountainside, New Jersey. The samples were received by the laboratory on April 26, 2007. The samples were analyzed for the parameters listed on the chain of custody documents. The samples in this data set were analyzed for Total and Dissolved Lead and Cadmium. The samples were also analyzed for Volatile Organic Analytes. The organic data review is located in the organic section of this validation report.

1. HOLDING TIME

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Metals with the exception of Mercury, are required to be digested and analyzed within 180 days of Verified Time of Sample Receipt (VTSR). Mercury samples are to be digested and analyzed within 26 days of VTSR.

Laboratory report Y2469 consisted of eleven (11) groundwater samples and one (1) Rinse Blank sample. Each of these samples was analyzed for Total Cadmium and Lead as well as Dissolved Cadmium and Lead. The samples were collected on April 24, 2007 and April 25, 2007and received at the laboratory on April 25, 2007. The Total Metals were prepared in batch on April 30, 2007. The Dissolved Metals were prepared in one batch on May 4, 2007. Each sample batch was prepared with a preparation blank and blank spike/LCS sample. All of the sample digestates was analyzed in one (1) ICP analytical sequence on May 4, 2007.

Laboratory report Y2485 consisted of eight (8) groundwater samples and one (1) Field Blank sample. Each of these samples was analyzed for Total and Dissolved Cadmium and Lead. The samples were collected on April 25, 2007 and April 26, 2007and received at the laboratory on April 26, 2007. Both the Total and Dissolved metals were prepared in one batch on April 30, 2007. Each of the sample digestates was analyzed in one (1) ICP analytical sequence on May 4, 2007.

Laboratory report Y2486 consisted of four (4) groundwater samples. Each of these samples was analyzed for Total and Dissolved Cadmium and Lead. The samples were collected on April 26, 2007and received at the laboratory on April 26, 2007. Both the Total and Dissolved metals were prepared in one batch on April 30, 2007. Each of the sample digestates was analyzed in one (1) ICP analytical sequence on May 4, 2007.

2. CALIBRATION ANALYSIS

Inductively Coupled Plasma (ICP) was utilized for these analyses. The ICP was calibrated using a single point standard as required by the manufacturer. One (1) initial calibration verification (ICV) standard was then analyzed to verify instrument calibration.

Samples in Laboratory Report Y2469, Y2485 and Y2486 were analyzed in one (1) analytical sequence on May 4, 2007. Recoveries of the ICV standards associated with the analytical sequence met QC criteria. One continuing calibration verification (CCV) standard was then analyzed after each ten (10) field samples. Ten (10) CCV standards are associated with this analytical sequence. The percent recovery of Cadmium and Lead met QC criteria in all CCV standards associated with this data set.

3. CRDL STANDARD

The CRDL standard is used for the verification of instrument linearity near the CRDL. The CRDL standard control limits are 70-130% recovery. If the CRDL standard falls outside of the control limits, associated data less than or equal to the 2X the CRDL are qualified estimated (J or UJ) or rejected (R) depending on the recovery of the CRDL standard and the concentration of the analyte in the sample. When the CRDL standard exceeds the control limit, indicating a high bias, and the associated sample results are non-detect, no action is taken. When the CRDL standard exceeds the control limit, indicating a high bias positive sample results up to two (2) times the CRDL are qualified estimated (J).

Six (6) CRDL standards are associated with the ICP Total and Dissolved Metal analytical sequence analyzed on May 4, 2007. The recovery of Lead and Cadmium in all of the CRDL standards met QC criteria with the exception of that summarized below:

Standard	Analyte	%Recovery
CRI01	Cadmium	135.8
CRI02	Cadmium	151.8
	Lead	159.4
CRI03	Cadmium	157.6
CRI04	Cadmium	140.6
CRI05	Cadmium	0
	Lead	202.4

The samples associated with CRI04 and CRI05 have been reviewed using the result of CRI04. The laboratory did not note in either the raw data or the case narrative the problem associated with this CRI standard. The %RSD between readings of Lead indicated poor precision between the injections/readings. The laboratory was contacted regarding the results of the CRI05 standard. The response indicated that the method has no QC criteria, therefore no action was taken. Action is taken by the data validator and data is qualified based on the recovery of the CRI standards.

A copy of the correspondence between this data validator and the laboratory is located in Appendix D of this report.

Samples in Laboratory Report Y2469 were analyzed between CRI02 and CRI04. Positive detects for Cadmium and Lead have been qualified "J" estimated. Non-detects are acceptable as reported.

Samples in Laboratory Report Y2485 were analyzed between CRI03 and CRI05. Positive detects for Cadmium and Lead have been qualified "J" estimated. Non-detects are acceptable as reported.

Samples in Laboratory Report Y2486were analyzed between CRI01and CRI06. Positive detects for Cadmium and Lead have been qualified "J" estimated. Non-detects are acceptable as reported.

Qualified data result pages are located in Appendix B of this report.

4. INTERFERENCE CHECK STANDARD

The Interference Check Standard (ICS) is used to verify the laboratory interelement and background correction factors of the ICP. Two solutions comprise the ICS A and ICS AB. Solution A consists of the interferent metals while solution AB is the group of target analytes and the interferents metals. An ICS analysis consists of analyzing both solutions consecutively for all wavelengths used for each analyte reported by ICP. ICSAB control limits of 80-120% were applied during review of this data set.

All ICSA and ICSAB recoveries associated with this analytical sequence met QC criteria with the exception of ICSAB04. The recovery of Lead was 121.7%. Positive data results have been qualified "J" estimated. Non-detect sample results are acceptable as reported.

Samples in Laboratory Report Y2469 that were analyzed between ICSAB03 and ICSAB05 were reviewed. Positive Lead results have been qualified "J" estimated. Non-detect sample results "U" are acceptable as reported.

Samples in Laboratory Report Y2485 that were analyzed between ICSAB03 and ICSAB05 were reviewed. Positive Lead results have been qualified "J" estimated. Non-detect sample results "U" are acceptable as reported.

Qualified data result pages are located in Appendix B of this report.

The samples in Laboratory Report Y2486 were analyzed between acceptable ISCAB standards. All QC criteria were met for the associated ICSAB standards, therefore no action was taken.

5. MATRIX SPIKE ANALYSIS

The spike sample analysis provides information about the effect of the sample matrix upon the digestion and measurement methodology. The spike control limits are 75%-125% when the sample concentration is less than four (4) times the spike added. If the matrix spike recoveries fall in the range of 30%-74%, the sample results are may be biased low and are qualified as estimated (J or UJ). If the matrix spike recoveries fall in the range of 126%-200%, sample results may be biased high. Positive results are qualified estimated (J). If the spike recovery is greater than 125% and the reported sample result is less than the IDL the data point is acceptable for use. If the matrix spike recovery is greater than 200%, the associated sample data are unusable and are rejected (R). If matrix spike results are less than 30%, the associated non-detect results are qualified unusable and rejected (R), and the results reported above the IDL are qualified estimated (J).

Chemtech performed a Total Matrix Spike analysis on Site Specific QC Sample 22 (Y2486-1). The percent recovery of both Lead and Cadmium in the Total sample met QC criteria.

Chemtech performed a Dissolved Matrix Spike analysis on Site Specific QC Sample 22 (Y2486-8). The recovery of Cadmium in this analysis was slightly above QC limits (125.6%). The laboratory qualified all Dissolved Cadmium results in this data set with an "N" as required by the method. The Cadmium has been previously qualified "J", therefore no further action has been taken.

Chemtech performed a Dissolved Matrix Spike analysis on Site Specific QC Sample NS (Y2469-14). The percent recovery of Cadmium and Lead in the Dissolved sample met QC criteria.

Chemtech performed a Total Matrix Spike analysis on Site Specific QC Sample JDR (Y2485-4). The percent recovery of both Lead and Cadmium met QC criteria.

Chemtech performed a Dissolved Matrix Spike analysis on Site Specific QC Sample JDR (Y2485-15). The percent recovery of Cadmium in the Dissolved sample met QC criteria. The recovery of Lead in this analysis was slightly above QC limits (125.2%). The laboratory qualified all Total Lead results in this data set with an "N" as required by the method.

6. POST DIGESTION SPIKE ANALYSIS

The post digestion spike sample analysis provides additional information about the effect of the sample matrix upon the digestion and measurement methodology. The post digestion spike is performed for each analyte that the pre-digestion spike recovery falls outside the 75-125% control limit.

Post digestion spike analysis was not performed by Chemtech Constulting in the laboratory reports associated with these data sets.

7. DUPLICATE SAMPLE ANALYSIS

The duplicate sample analysis is used to evaluate the precision of the methods for each parameter. If the duplicate sample analysis results for a particular analyte fall outside the control windows of 20% RPD or =/- CRDL, whichever is appropriate depending upon the concentration of the sample, the associated sample results are qualified "J" estimated.

Chemtech performed laboratory duplicate analysis on Total Site Specific sample 22 (Y2486-01). The relative percent difference of Lead and Cadmium in the Total duplicate sample analysis met QC criteria for Lead and Cadmium.

Chemtech performed laboratory duplicate analysis on Dissolved Site Specific sample 22 (Y2486-08). The relative percent difference of Lead and Cadmium in the Dissolved duplicate sample analysis met QC criteria for Lead and Cadmium.

Chemtech performed laboratory duplicate analysis on Dissolved Site Specific sample NS (Y2469-14). The RPD of Cadmium was 44.7. This is acceptable because both results were reported with "J qualifiers by the laboratory. Lead was not detected in either the sample or duplicate sample result.

Chemtech performed laboratory duplicate analysis on Site Specific sample JDR (Y2485-4, Y2485-15). The relative percent difference of Lead and Cadmium in both the Total and Dissolved duplicate sample analysis met QC criteria for Lead and Cadmium.

8. ICP SERIAL DILUTION ANALYSIS

The serial dilution analysis indicates whether significant physical or chemical interference's exist due to the sample matrix. If the concentration of any analyte in the original sample is greater than 50 times the instrument detection limit (IDL), an analysis of a 5-fold dilution samples must yield results which have a percent difference (%D) of less than or equal to 10 with the original sample results. If the %D of the serial dilution exceeds the 10% (and is not greater than 100%) for a particular analyte, all the associated sample results are qualified estimated (J).

Chemtech performed Total ICP Serial Dilution analysis on Site Specific Sample 22 (Y2486-01). % Difference criteria were met in this sample set.

Chemtech performed Dissolved ICP Serial Dilution analysis on Site Specific Sample 22 (Y2486-08). % Difference criteria were met in this sample set.

Chemtech performed Dissolved ICP Serial Dilution analysis on Site Specific Sample NS (Y2469-14). % Difference criteria were met in this sample set.

Chemtech performed Total and Dissolved ICP Serial Dilution analysis on Site Specific Sample JDR (Y2485-4, Y2485-15). The % Difference criteria were met for both Total Lead and Cadmium. The %Difference criteria was met for Dissolved Lead. The %Difference of Lead in the ICP Serial Dilution analysis was 12.5%. The laboratory qualified the Dissolved Lead data in the samples associated with this data set "E" as required by the method.

INORGANIC DATA ASSESSMENT

9. BLANKS

Blank analyses are assessed to determine the existence and magnitude of contamination problems. The criterion used for the evaluation of blanks applies to all blanks, including but not limited to reagent blanks, method blanks and field blanks. The responsibility for action in the case of an unsuitable blank result depends upon the circumstances and the origin of the blank itself. If the problem with any blank exists, then all associated data must be carefully evaluated to determine whether there is inherent variability in the data for that case, or the problem is an isolated occurrence not affecting other data.

The samples in Laboratory Report Y2469 are prepared in two batches. One (1) preparation blank sample is associated with the Total Metal analyses. One (1) preparation blank sample is associated with the Dissolved Metal analyses. The total preparation blank contains Cadmium at a concentration of 1.56 J ug/l. The dissolved preparation blank contains Cadmium at a concentration of 1.42 J ug/l. Cadmium has been negated in all samples when the concentration is greater than the MDL and less than the CRQL.

Qualified data result pages are located in Appendix B of this report.

The total and dissolved samples in Laboratory Report Y2485 were prepared in one (1) batch. The concentration of Cadmium in this preparation blank sample is 1.47 J ug/l. Cadmium has been qualified "UJ/J" estimated in all samples due to other QC outliers. No additional action was taken based on the preparation blank contamination.

The total and dissolved samples in Laboratory Report Y2486 were prepared in one (1) batch on April 30, 2007. The concentration of Cadmium in this preparation blank sample is 1.56 J ug/l. Cadmium has been qualified "UJ/J" estimated in all samples due to other QC outliers. No additional action was taken based on the preparation blank contamination.

The Rinse Blank sample (RB-2 /Y2469-07) was analyzed for both Total Cadmium and Total Lead. The Rinse Blank sample was free from contamination of both Total Cadmium and Lead.

The Rinse Blank sample (RB-2 /Y2469-20) was analyzed for both Dissolved Cadmium and Lead. The dissolved Rinse Blank sample contained Cadmium at a concentration of 1.1 J ug/l. The dissolved rinse blank sample was free from contamination of both dissolved Lead. Based on the contamination of Cadmium in the preparation blank sample Cadmium detected between the MDL and the CRQL has been negated and qualified "U".

Qualified data result pages are located in Appendix B of this report.

Sample FB-1 was reported in Laboratory Report Y2485. The total and dissolved Field Blank sample (Y2485-09, Y2485-20) was free from contamination of Lead and Cadmium.

10. LABORATORY CONTROL SAMPLE ANALYSIS

The laboratory control sample (LCS) analysis provides information about the efficiency of the digestion procedure. If the recovery of any analyte is outside the established control limits (aqueous 80%-120%), then laboratory performance and method accuracy are in question. Professional judgment is used to determine of data should be qualified or rejected.

One (1) LCS standard sample is associated with the Total Lead and Cadmium analysis in the samples associated with laboratory report Y2469. The LCS sample met QC criteria for both Total Cadmium and Lead.

One (1) LCS standard sample is associated with the Dissolved Lead and Cadmium analysis in the samples associated with laboratory report Y2469. The LCS sample met QC criteria for both Dissolved Cadmium and Lead.

One (1) LCS standard sample is associated with both the Total and Dissolved Lead and Cadmium analysis in the samples associated with laboratory report Y2485. The LCS sample met QC criteria for both Cadmium and Lead.

One (1) LCS standard sample is associated with both the Total and Dissolved Lead and Cadmium analysis in the samples associated with laboratory report Y2486. The LCS sample met QC criteria for both Cadmium and Lead.

11. SAMPLE RESULTS DATA

This data report combines the results of the groundwater samples collected April 23-24, 2007. Chemtech Laboratories these samples in three (3) data reports (Y2469, Y2485 and Y2486). This review is for of the data sets. The samples in this data set were analyzed for Total and Dissolved Metals based on the method ILM04.1. Data was reviewed using the current USEPA Region 2 data review SOP.

Each of the samples was analyzed and reported without dilution. A review of Total and Dissolved sample results was performed. The data results associated with this data set are acceptable for use with the noted data qualifiers. Data qualifiers have been described in the section associated with the QC outliers.

12 FIELD DUPLICATE DATA

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Soil samples will have a greater variance due to the difficulties associated with collecting exact duplicate soil samples than aqueous samples. Data was not qualified based on the results of the field duplicate sample data.

Total Metal Analyses
KDR (Y2469-03)/101 (Y2469-10)

Analyte	Result ug/l	Result ug/l	RPD%
Cadmium	141	139	1.4
Lead	3.0 U	3.0 U	NC

Dissolved Metal Analyses
KDR (Y2469-03)/101 (Y2469-10)

Analyte	Result ug/l	Result ug/l	RPD%
Cadmium	166	144	14.2
Lead	3.0 U	3.0 U	NC

Total Metal Analyses
102 (Y2485-01)/31 (Y2485-02)

Analyte	Result ug/l	Result ug/l	RPD%
Cadmium	1.2 J	1.5 J	22.2
Lead	17.0	20.6	19.1

Dissolved Metal Analyses
102 (Y2485-12)/31 (Y2485-13)

Analyte	Result ug/l	Result ug/l	RPD%
Cadmium	ND	1.0 J	NC
Lead	ND	ND	NC

U denotes not detected at the CRQL (Contract Required Quantitation Limit)
NC denotes not calculated

INORGANIC DATA ASSESSMENT

13. INSTRUMENT QC DATA

The laboratory is required by the method to perform specific instrument verification tests on a specific timeframe. Based on a review of the QC summary forms included in the data report, Chemtech performed the required studies specified by the method in the correct time-frame.

14. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

This data set included Laboratory Reports Y2469, Y2485 and Y2486. Samples were collected April 23, 2007 and April 26, 2007. Each of the samples was analyzed for Total and Dissolved Lead and Cadmium. The samples were analyzed in accordance with Inorganic CLP Method ILM04.1. The sample results have been reported in accordance with the cited method.

The sample data has been qualified based on the cited data validation documents. The data associated with this data set is acceptable for use with the noted data qualifiers.

Qualified data result pages are located in Appendix B of this report.

TABLE 1

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
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Premier Environmental Services

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
NS	Y2469-01
ND	Y2469-02
KDR	Y2469-03
KSR	Y2469-04
17	Y2469-05
16	Y2469-06
RB-2	Y2469-07
12	Y2469-08
26	Y2469-09
101	Y2469-10
11	Y2469-11
BR	Y2469-12
TB-3	Y2469-13
NS	Y2469-14
ND	Y2469-15
KDR	Y2469-16
KSR	Y2469-17
17	Y2469-18
16	Y2469-19
RB-2	Y2469-20
12	Y2469-21
26	Y2469-22
101	Y2469-23
11	Y2469-24
BR	Y2469-25

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Premier Environmental Services

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
102	Y2485-01
31	Y2485-02
32	Y2485-03
JDR	Y2485-04
JDR-MS	Y2485-05
JDR-MSD	Y2485-06
JS	Y2485-07
24	Y2485-08
FB-1	Y2485-09
23	Y2485-10
30R	Y2485-11
102	Y2485-12
31	Y2485-13
32	Y2485-14
JDR	Y2485-15
JDR-MS	Y2485-16
JDR-MSD	Y2485-17
JS	Y2485-18
24	Y2485-19
FB-1	Y2485-20
23	Y2485-21
30R	Y2485-22

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Premier Environmental Services

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
22	Y2486-01
22-MS	Y2486-02
22-MSD	Y2486-03
OS	Y2486-04
SS	Y2486-05
SD	Y2486-06
TB-4	Y2485-07
22	Y2486-08
22-MS	Y2486-09
22-MSD	Y2486-10
OS	Y2486-11
SS	Y2486-12
SD	Y2486-13

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Premier Environmental Services

APPENDIX A

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DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

K – The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

L - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

UL – The analyte was not detected, and the reported quantitation limit is probably higher than reported.

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Premier Environmental Services

APPENDIX B

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-03

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006776.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.33	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-03

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006776.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-03

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006776.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006777.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.28	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006777.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006777.D

Level (low/med): _____ Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: _____ Soil Aliquot Volume: _____

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-05

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006778.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.31	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-05

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006778.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

17

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-05

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006778.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006779.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.69	
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.26	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006779.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

16

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-06

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006779.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006780.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	2.0	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.33	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006780.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-07

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006780.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-11

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF0067B4.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.39	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.99	
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.68	
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	2.8	
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.29	J
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-11

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006784.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	1.1	
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

11

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-11

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006784.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-09

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006825.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	9.4	
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	3.0	~~B~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.37	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-09

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006825.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2485

SAS No.: Y2485

SDG No.: Y2485

Matrix (soil/water): WATER

Lab Sample ID: Y2485-09

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006825.D

Level (low/med):

Date Received: 4/26/2007

% Moisture: not dec. 100

Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006829.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.28 0.50 ~~B~~ U	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006829.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006829.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006846.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.68	
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	~~0.37~~ 0.50	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	2.4	
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

RC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006846.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.35	J
126777-61-2	m&p-xylenes	0.90	
95-47-6	o-xylene	0.37	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.3	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006846.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/9/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

NS

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-01

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.5	~~B~~	U	P
7439-92-1	Lead	41.6			P

J

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ND

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-02

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	22.2			P

J

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-03

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	141			P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-04

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.8			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

26

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-09

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	12.6			P
7439-92-1	Lead	1.4	J		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

101

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-10

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	139			P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-11

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	110			P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-12

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.1	~~U~~	U	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

NS

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-14

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.4	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-16

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	166			P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469

NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-17

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.8	~~J~~	U	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469

NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-20

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.1	~~J~~ U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

26

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-22

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	13.0			P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

101

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-23

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	144			P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-24

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	113			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

102

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-01

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	1.2	J	NE	P	J
7439-92-1	Lead	17.0			P	J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

31

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-02

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	1.5	J	NE	P	J
7439-92-1	Lead	20.6			P	J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

32

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-03

Level (low/mad): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

UJ

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	54.5		NE	P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-07

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	3.9	J	NE	P	J
7439-92-1	Lead	1.0	J		P	J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

24

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-08

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

UJ

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-09

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

UJ

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

23

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-10

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	25.8		NE	P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

30R

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-11

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	163		NE	P	J
7439-92-1	Lead	3.0	U		P	

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

102

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-12

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

UJ

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

31

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-13

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	1.0	J	NE	P	J
7439-92-1	Lead	3.0	U		P	

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

32

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-14

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

UJ

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-15

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	60.8		NE	P	J
7439-92-1	Lead	3.0	U		P	

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-18

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.0	J	NE	P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

24

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-19

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

UJ

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-20

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

UJ

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

23

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-21

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	26.7		NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

30R

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-22

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	169		NE	P	J
7439-92-1	Lead	1.6	J		P	J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

22

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-01

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.3		N	P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-04

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.9	J	N	P
7439-92-1	Lead	388			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-05

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	10.6		N	P
7439-92-1	Lead	82.9			P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	149		N	P
7439-92-1	Lead	31.0			P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

22

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-08

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.2		N	P
7439-92-1	Lead	3.0	U		P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-11

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	4.2	J	N	P
7439-92-1	Lead	320			P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-12

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M	
7440-43-9	Cadmium	11.8		N	P	J
7439-92-1	Lead	13.0			P	

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-13

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	156		N	P
7439-92-1	Lead	90.4			P

J

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Premier Environmental Services

APPENDIX C

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Y2469

COC Number 064749

CLIENT INFORMATION — REPORT TO BE SENT TO:

COMPANY: CSI
ADDRESS: 918 Chesapeake Ave
CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Dustin Ferris
PHONE: 410-268-3077 FAX: 410-268-3077

CLIENT PROJECT INFORMATION

PROJECT NAME: NL
PROJECT NO.: co-0771 LOCATION:
PROJECT MANAGER: Jeff Moore
e-mail: JDFERRIS@CONTACTCSI.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: STD DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☒ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1 VOCs
2 Total Pb + Cd
3 Diss Pb + Cd
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A 1	PRESERVATIVES B 2	PRESERVATIVES B 3	4	5	6	7	8	9	COMMENTS
1. 14, 1	NS	H_2O		X	4/24/07	1330	5	X	X	X							
2. 15, 2	ND			X		1355	5	X	X	X							
3. 16, 3	KDR			X		1650	5	X	X	X							
4. 17, 4	KSR			X		1720	5	X	X	X							
5. 18, 5	17			X		2015	5	X	X	X							
6. 19, 6	16			X		2040	5	X	X	X							
7. 20, 7	RB-2			X	4/25/07	0730	5	X	X	X							
8. 21, 8	12			X		0935	5	X	X	X							
9. 22, 9	26			X		0940	5	X	X	X							
10. 23, 10	101			X	4/24/07	0000	5	X	X	X							

← Specify Preservatives: A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	4/25/07 1330	1. [signature]
2. [signature]		2.
3. [signature]	4:00 4-25-07	3. SNEHAL MEHTA

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: YES

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Dustin Ferris
PHONE: 410-268-3077 FAX: 410-268-0145

PROJECT MANAGER: Jeff Moore
e-mail: JDFERRIS@CONTACTCSI.COM
PHONE: FAX:

CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: STD DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT _____
- ☒ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOCs	Total pb+Cd	Diss pb+Cd						

PRESERVATIVES

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (A)	2 (B)	3 (B)	4	5	6	7	8	9	COMMENTS ← Specify Preservatives A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other
1. 24, 11	11	H_2O		X	4/25/07	1100	5	X	X	X							
2. 25, 12	BR	↓		X	↓	1145	5	X	X	X							
3. 13	TB-3	↓		X	Lab Collected		4	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	4/25/07 1330	1. [signature]
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 4:00	RECEIVED FOR LAB BY:
3. [signature]	4-25-07	3. Sneehal Mehta

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: YES

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

0000250

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Y2485

COC Number 064683

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: CSI
ADDRESS: 918 Chesapeake Ave
CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Justin Ferris
PHONE: 410-268-3077 FAX: 410-268-0145

CLIENT PROJECT INFORMATION

PROJECT NAME: NL
PROJECT NO.: 00-0771 LOCATION:
PROJECT MANAGER: Jeff Maire
e-mail: JOFERRIS@CONTACTCSI.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: STD DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☒ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1 VOCs, 2 Total Pb+Cd, 3 Diss Pb+Cd, 4, 5, 6, 7, 8, 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (B)	3 (B)	4	5	6	7	8	9	COMMENTS
1. 12, 1	10Z	H_2O		X	4/25/07	0000	5	X	X	X							
2. 13, 2	31					1415	5	X	X	X							
3. 3	32					1425	5	X	X	X							
4. 4, 5, 6, 14, 15, 16	JDR					1610	15	X	X	X							MS/MSD Vol
5. 17, 7	JS					1740	5	X	X	X							
6. 18, 8	24					1745	5	X	X	X							
7. 19, 9	FB-1				4/26/07	0850	5	X	X	X							
8. (*)	22					0905	15	X	X	X							MS/MSD Vol
9. 20, 10	23					0940	5	X	X	X							
10. 21, 11	30R					1045	5	X	X	X							

Specify Preservatives: A–HCl, B–HNO_3, C–H_2SO_4, D–NaOH, E–ICE, F–Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	4/26/07 14:10	1. T. Dickson
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: T. Dickson	DATE/TIME: 4/26/07 16:20	RECEIVED FOR LAB BY: 3. Sneha Patel

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
Cooler Temp. 4°C
MeOH extraction requires an additional 4 oz jar for percent solid.
Ice in Cooler?: Yes
Comments:
(*) Sample ID = 22 is logged under Y2486 (20)

Page 1 of 2

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. Y2486
COC Number 064683

CLIENT INFORMATION — REPORT TO BE SENT TO:
COMPANY: CSI
ADDRESS: 918 Chesapeake Ave
CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Dustin Ferris
PHONE: 410-268-3077 FAX: 410-268-0145

CLIENT PROJECT INFORMATION
PROJECT NAME: NL
PROJECT NO.: 00-0771 LOCATION:
PROJECT MANAGER: Jeff Moore
e-mail: JDFERRIS@CONTACTCSI.COM
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION
FAX: DAYS *
HARD COPY: STD DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
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 VOCs 2 Total pb+Cd 3 Diss pb+Cd 4 5 6 7 8 9

PRESERVATIVES

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (A)	2 (B)	3 (B)	4	5	6	7	8	9	COMMENTS
1.	102	(*)	H_2O		X	4/25/07	0000	5	X	X	X							
2.	31	(*)					1415	5	X	X	X							
3.	32	(*)					1425	5	X	X	X							
4.	JDR	(*)					1610	15	X	X	X							MS/MSD Vol
5.	JS	(*)					1740	5	X	X	X							
6.	24	(*)					1745	5	X	X	X							
7. (P)	FB-1	(*)				4/26/07	0850	5	X	X	X							
8. 1,2,3	22						0905	15	X	X	X							MS/MSD Vol
9. 8,9,10	23	(*)					0940	5	X	X	X							
10.	30R	(*)					1045	5	X	X	X							

← Specify Preservatives: A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other

Copy Original Documents are included in CSF Y2485
Signature
4/26/07
Date

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	4/26/07 14:10	1. J. Dufron
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3. J. Dufron	DATE/TIME: 4/26/07 16:20	RECEIVED FOR LAB BY: 3. Sneha Mehta

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments: (*) all samples except samples 22, are logged under Y2485

Cooler Temp. 4°C
Ice in Cooler?: Yes

Page 1 of 2

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. Y2486
COC Number 064680

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CSI
ADDRESS: 918 Chesapeake Ave
CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Dustin Ferris
PHONE: 410-268-3077 FAX: 410-268-0145

CLIENT PROJECT INFORMATION

PROJECT NAME: NL
PROJECT NO.: 00-0771 LOCATION:
PROJECT MANAGER: Jeff Moore
e-mail: JDFERRIS@CONTACTCSI.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: STD DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☒ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

VOCs | Total Pb+Cd | Diss Pb+Cd

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (B)	3 (B)	4	5	6	7	8	9	COMMENTS
1 4	OS	H_2O		X	4/26/07	1105	5	X	X	X							
2 5	SS	↓		↓	↓	1330	5	X	X	X							
3 6	SD	↓		↓	↓	1330	5	X	X	X							
4 7	TB-4	H_2O		X	4/26/07	0810	3	X									
5																	
6																	
7																	
8																	
9																	
10																	

← Specify Preservatives
A–HCl B–HNO_3
C–H_2SO_4 D–NaOH
E–ICE F–Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
[signature]	4/26/07 14:10	1. [signature]
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: [signature]	DATE/TIME: 4/26/07 16:20	RECEIVED FOR LAB BY: 3. [signature]

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 4°C
Ice in Cooler?: Yes

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Premier Environmental Services

APPENDIX D

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

Premier Environmental Services

July 10, 2007

Project Manager
Chemtech Consulting Group
284 Sheffield Street
Mountainside, NJ 07092

Dear Mr. Rudka,

Premier Environmental Services is performing the data review for CSI for samples collected at the NL Industries Site. The samples were collected in April, 2007. Below are questions associated with the cited data set. I have organized the questions for ease of review by either the project manager or QA Officer.

Project Y2469 – Total and Dissolved Cd, and Pb analyses

Page 61 of the data report lists the IDL of Lead only. Cadmium was not listed on this page. Please manually add the Cadmium to this form and fax back.

Project Y2485 – Total and Dissolved Cd, and Pb analyses

Six (6)CRDL standards are associated with this data set. CRI05 (15:03) had a 0% recovery for Cadmium and a 202.4 % recovery of Lead. Did the analyst make any note of this CRI in the log. Although the EPA has not set criteria for this standard-this standard effects the validation of data and the usability of data. Can you have the analyst review this standard and provide comment.

Thank you in advance for your prompt response to these data issues. If there are any additional questions associated with this data set, please do not hesitate to contact me at 516-223-9761.

Sincerely,

Renee Cohen

Renee Cohen

Cc: Dustin Ferris - CSI

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH

facsimile transmittal

DATE 07/18/07

NAME: Renee Cohen

COMPANY: Premier Env.

NUMBER OF PAGES 2

FAX# 516-223-8983

RE: Inquiries for Y2469, Y2485 data

SENT BY:

Krupa Dubey

908-789-8900 ext 208

COMMENT: Y2469 corrected 1st page is enclosed. Y2485 CR1 05 was checked. No corrective action was taken as all other standards pass criteria and EPA has no criteria for CR5 evaluation

PROJECT # _____

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL US AT (732) 225-4111 or (908) 789-8900 AS SOON AS POSSIBLE.

284 Sheffield Street, Mountainside, NJ 07092

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Thank you for your prompt response to this matter.

IN BUSINESS FOR THE ENVIRONMENT

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

INSTRUMENT DETECTION LIMITS

Client:	Construction Services Int.	**Project:**	
Instrument ID:	P1	**SDG No.:**	Y2469

Matrix	Parameter	Waveleanth	MDL	CRDL	Units
LIQUID					
	Lead	220.35	1.0	3	ug/L
	Cadmium	226.50	1.0	5	ug/L

00061

9

7/16/7

Premier Environmental Services

APPENDIX E

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006774.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006774.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006774.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ND

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006775.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.41	J
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ND

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006775.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ND

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-02

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006775.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-03

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006776.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.33	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-03

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006776.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-03

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006776.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006777.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.28	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006777.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006777.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-05

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006778.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.31	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-05

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006778.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

17

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2469

SAS No.: Y2469

SDG No.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-05

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006778.D

Level (low/med):

Date Received: 4/25/2007

% Moisture: not dec. 100

Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006779.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.69	
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.26	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006779.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

16

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-06

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006779.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006780.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	2.0	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.33	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006780.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-07

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006780.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

12

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-08

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006781.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	9.3	
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

12

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-08

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006781.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

12

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-08

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006781.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

26

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-09

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006782.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

26

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-09

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006782.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

26

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2469

SAS No.: Y2469

SDG No.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-09

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006782.D

Level (low/med):

Date Received: 4/25/2007

% Moisture: not dec. 100

Date Analyzed: 5/3/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

101

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-10

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006783.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.98	
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

101

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-10

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006783.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

101

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2469

SAS No.: Y2469

SDG No.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-10

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006783.D

Level (low/med):

Date Received: 4/25/2007

% Moisture: not dec. 100

Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-11

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006784.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.39	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.99	
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.68	
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	2.8	
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.29	J
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-11

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006784.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	1.1	
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

11

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2469

SAS No.: Y2469

SDG No.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-11

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006784.D

Level (low/med):

Date Received: 4/25/2007

% Moisture: not dec. 100

Date Analyzed: 5/3/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-12

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006785.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-12

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006785.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2469

SAS No.: Y2469

SDG No.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-12

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006785.D

Level (low/med):

Date Received: 4/25/2007

% Moisture: not dec. 100

Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-3

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-13

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006773.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.45	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-3

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-13

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006773.D

Level (low/med): Date Received: 4/25/07

% Moisture: not dec. 100 Date Analyzed: 5/3/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-3

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-13

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006773.D

Level (low/med): Date Received: 4/25/2007

% Moisture: not dec. 100 Date Analyzed: 5/3/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Chemtech

Surrogate Summary
SW-846

SDG No.: Y2469
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSF0503W1	VLCS01	Vinyl Chloride-d3	5	5.27	105		49.00	138.00
		Chloroethane-d5	5	5.1	102		60.00	126.00
		1,1-Dichloroethene-d2	5	5.04	101		65.00	130.00
		2-Butanone-d5	25	25.18	101		42.00	171.00
		Chloroform-d	5	5.01	100		80.00	123.00
		1,2-Dichloroethane-d4	5	4.63	93		78.00	129.00
		Benzene-d6	5	4.56	91		78.00	121.00
		1,2-Dichloropropane-d6	5	4.79	96		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.42	88		80.00	128.00
		Toluene-d8	5	4.69	94		77.00	120.00
		2-Hexanone-d5	25	23.69	95		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.84	97		75.00	131.00
		Bromoform-d	5	4.74	95		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.91	98		50.00	150.00
BSF0503W2	VLCS02	Vinyl Chloride-d3	5	5.19	104		49.00	138.00
		Chloroethane-d5	5	4.91	98		60.00	126.00
		1,1-Dichloroethene-d2	5	5.04	101		65.00	130.00
		2-Butanone-d5	25	28.12	112		42.00	171.00
		Chloroform-d	5	4.8	96		80.00	123.00
		1,2-Dichloroethane-d4	5	4.87	97		78.00	129.00
		Benzene-d6	5	4.77	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.92	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.47	89		80.00	128.00
		Toluene-d8	5	4.83	97		77.00	120.00
		2-Hexanone-d5	25	24.87	99		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	5.12	102		75.00	131.00
		Bromoform-d	5	4.8	96		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.8	96		50.00	150.00
VBF0503W2	VBLK01	Vinyl Chloride-d3	5	5.43	109		49.00	138.00
		Chloroethane-d5	5	5.35	107		60.00	126.00
		1,1-Dichloroethene-d2	5	3.91	78		65.00	130.00
		2-Butanone-d5	25	26.99	108		42.00	171.00
		Chloroform-d	5	4.87	97		80.00	123.00
		1,2-Dichloroethane-d4	5	4.77	95		78.00	129.00
		Benzene-d6	5	4.62	92		78.00	121.00
		1,2-Dichloropropane-d6	5	5.01	100		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.62	92		80.00	128.00
		Toluene-d8	5	4.88	98		77.00	120.00
		2-Hexanone-d5	25	23.45	94		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.79	96		75.00	131.00
		Bromoform-d	5	4.4	88		76.00	135.00

Chemtech

Surrogate Summary
SW-846

SDG No.: Y2469
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
VBF0503W2	VBLK01	1,2-Dichlorobenzene-d4	5	4.32	86		50.00	150.00
Y2443-03	STORAGEBLANK	Vinyl Chloride-d3	5	5.56	111		49.00	138.00
		Chloroethane-d5	5	5.79	116		60.00	126.00
		1,1-Dichloroethene-d2	5	4.17	83		65.00	130.00
		2-Butanone-d5	25	34.41	138		42.00	171.00
		Chloroform-d	5	4.94	99		80.00	123.00
		1,2-Dichloroethane-d4	5	5.64	113		78.00	129.00
		Benzene-d6	5	5.08	102		78.00	121.00
		1,2-Dichloropropane-d6	5	5.34	107		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	5.09	102		80.00	128.00
		Toluene-d8	5	5.21	104		77.00	120.00
		2-Hexanone-d5	25	30.66	123		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	5.93	119		75.00	131.00
		Bromoform-d	5	4.31	86		76.00	135.00
		1,2-Dichlorobenzene-d4	5	5.24	105		50.00	150.00
Y2469-01	NS	Vinyl Chloride-d3	5	5.12	102		49.00	138.00
		Chloroethane-d5	5	5.14	103		60.00	126.00
		1,1-Dichloroethene-d2	5	3.66	73		65.00	130.00
		2-Butanone-d5	25	24.56	98		42.00	171.00
		Chloroform-d	5	4.53	91		80.00	123.00
		1,2-Dichloroethane-d4	5	4.3	86		78.00	129.00
		Benzene-d6	5	4.83	97		78.00	121.00
		1,2-Dichloropropane-d6	5	4.81	96		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.14	83		80.00	128.00
		Toluene-d8	5	4.78	96		77.00	120.00
		2-Hexanone-d5	25	22.79	91		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.48	90		75.00	131.00
		Bromoform-d	5	4.33	87		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.41	88		50.00	150.00
Y2469-02	ND	Vinyl Chloride-d3	5	4.91	98		49.00	138.00
		Chloroethane-d5	5	4.84	97		60.00	126.00
		1,1-Dichloroethene-d2	5	3.72	74		65.00	130.00
		2-Butanone-d5	25	33.76	135		42.00	171.00
		Chloroform-d	5	4.65	93		80.00	123.00
		1,2-Dichloroethane-d4	5	5.14	103		78.00	129.00
		Benzene-d6	5	4.67	93		78.00	121.00
		1,2-Dichloropropane-d6	5	5.13	103		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.94	99		80.00	128.00
		Toluene-d8	5	4.72	94		77.00	120.00
		2-Hexanone-d5	25	29.62	118		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	5.39	108		75.00	131.00

Chemtech

Surrogate Summary
SW-846

SDG No.: Y2469
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2469-02	ND	Bromoform-d	5	5.21	104		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.89	98		50.00	150.00
Y2469-03	KDR	Vinyl Chloride-d3	5	4.79	96		49.00	138.00
		Chloroethane-d5	5	5.22	104		60.00	126.00
		1,1-Dichloroethene-d2	5	3.8	76		65.00	130.00
		2-Butanone-d5	25	25.65	103		42.00	171.00
		Chloroform-d	5	4.62	92		80.00	123.00
		1,2-Dichloroethane-d4	5	4.42	88		78.00	129.00
		Benzene-d6	5	4.68	94		78.00	121.00
		1,2-Dichloropropane-d6	5	4.94	99		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.34	87		80.00	128.00
		Toluene-d8	5	4.78	96		77.00	120.00
		2-Hexanone-d5	25	23.85	95		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.61	92		75.00	131.00
		Bromoform-d	5	4.27	85		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.64	93		50.00	150.00
Y2469-04	KSR	Vinyl Chloride-d3	5	5.19	104		49.00	138.00
		Chloroethane-d5	5	5.12	102		60.00	126.00
		1,1-Dichloroethene-d2	5	3.82	76		65.00	130.00
		2-Butanone-d5	25	25.82	103		42.00	171.00
		Chloroform-d	5	4.66	93		80.00	123.00
		1,2-Dichloroethane-d4	5	4.56	91		78.00	129.00
		Benzene-d6	5	4.93	99		78.00	121.00
		1,2-Dichloropropane-d6	5	4.99	100		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.69	94		80.00	128.00
		Toluene-d8	5	4.9	98		77.00	120.00
		2-Hexanone-d5	25	23.42	94		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.88	98		75.00	131.00
		Bromoform-d	5	4.64	93		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.82	96		50.00	150.00
Y2469-05	17	Vinyl Chloride-d3	5	5	100		49.00	138.00
		Chloroethane-d5	5	5.02	100		60.00	126.00
		1,1-Dichloroethene-d2	5	3.7	74		65.00	130.00
		2-Butanone-d5	25	25.87	103		42.00	171.00
		Chloroform-d	5	4.72	94		80.00	123.00
		1,2-Dichloroethane-d4	5	4.51	90		78.00	129.00
		Benzene-d6	5	4.72	94		78.00	121.00
		1,2-Dichloropropane-d6	5	5.13	103		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.36	87		80.00	128.00
		Toluene-d8	5	4.94	99		77.00	120.00
		2-Hexanone-d5	25	23.14	93		37.00	169.00

Chemtech

Surrogate Summary
SW-846

SDG No.: Y2469
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2469-05	17	1,1,2,2-Tetrachloroethane-d2	5	4.46	89		75.00	131.00
		Bromoform-d	5	4.42	88		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.9	98		50.00	150.00
Y2469-06	16	Vinyl Chloride-d3	5	5.08	102		49.00	138.00
		Chloroethane-d5	5	5.16	103		60.00	126.00
		1,1-Dichloroethene-d2	5	3.92	78		65.00	130.00
		2-Butanone-d5	25	26.03	104		42.00	171.00
		Chloroform-d	5	4.78	96		80.00	123.00
		1,2-Dichloroethane-d4	5	4.5	90		78.00	129.00
		Benzene-d6	5	4.9	98		78.00	121.00
		1,2-Dichloropropane-d6	5	4.89	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.45	89		80.00	128.00
		Toluene-d8	5	4.84	97		77.00	120.00
		2-Hexanone-d5	25	24.63	99		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.67	93		75.00	131.00
		Bromoform-d	5	4.29	86		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.58	92		50.00	150.00
Y2469-07	RB-2	Vinyl Chloride-d3	5	4.99	100		49.00	138.00
		Chloroethane-d5	5	4.93	99		60.00	126.00
		1,1-Dichloroethene-d2	5	3.82	76		65.00	130.00
		2-Butanone-d5	25	26.75	107		42.00	171.00
		Chloroform-d	5	4.59	92		80.00	123.00
		1,2-Dichloroethane-d4	5	4.54	91		78.00	129.00
		Benzene-d6	5	4.9	98		78.00	121.00
		1,2-Dichloropropane-d6	5	4.99	100		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.4	88		80.00	128.00
		Toluene-d8	5	4.91	98		77.00	120.00
		2-Hexanone-d5	25	24.13	97		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.52	90		75.00	131.00
		Bromoform-d	5	4.32	86		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.77	95		50.00	150.00
Y2469-08	12	Vinyl Chloride-d3	5	4.87	97		49.00	138.00
		Chloroethane-d5	5	4.94	99		60.00	126.00
		1,1-Dichloroethene-d2	5	3.68	74		65.00	130.00
		2-Butanone-d5	25	28.06	112		42.00	171.00
		Chloroform-d	5	4.34	87		80.00	123.00
		1,2-Dichloroethane-d4	5	4.75	95		78.00	129.00
		Benzene-d6	5	4.74	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.81	96		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.53	91		80.00	128.00
		Toluene-d8	5	4.83	97		77.00	120.00

Chemtech

Surrogate Summary
SW-846

SDG No.: Y2469
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2469-08	12	2-Hexanone-d5	25	25.58	102		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.9	98		75.00	131.00
		Bromoform-d	5	4.62	92		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.85	97		50.00	150.00
Y2469-09	26	Vinyl Chloride-d3	5	4.82	96		49.00	138.00
		Chloroethane-d5	5	4.73	95		60.00	126.00
		1,1-Dichloroethene-d2	5	3.61	72		65.00	130.00
		2-Butanone-d5	25	29.57	118		42.00	171.00
		Chloroform-d	5	4.65	93		80.00	123.00
		1,2-Dichloroethane-d4	5	4.8	96		78.00	129.00
		Benzene-d6	5	4.69	94		78.00	121.00
		1,2-Dichloropropane-d6	5	5.04	101		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.57	91		80.00	128.00
		Toluene-d8	5	4.71	94		77.00	120.00
		2-Hexanone-d5	25	27.63	111		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.86	97		75.00	131.00
		Bromoform-d	5	4.9	98		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.9	98		50.00	150.00
Y2469-10	101	Vinyl Chloride-d3	5	4.89	98		49.00	138.00
		Chloroethane-d5	5	5.11	102		60.00	126.00
		1,1-Dichloroethene-d2	5	3.72	74		65.00	130.00
		2-Butanone-d5	25	28.03	112		42.00	171.00
		Chloroform-d	5	4.65	93		80.00	123.00
		1,2-Dichloroethane-d4	5	4.56	91		78.00	129.00
		Benzene-d6	5	4.86	97		78.00	121.00
		1,2-Dichloropropane-d6	5	5.25	105		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.4	88		80.00	128.00
		Toluene-d8	5	4.88	98		77.00	120.00
		2-Hexanone-d5	25	26.83	107		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.88	98		75.00	131.00
		Bromoform-d	5	4.54	91		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.85	97		50.00	150.00
Y2469-11	11	Vinyl Chloride-d3	5	5.09	102		49.00	138.00
		Chloroethane-d5	5	5.1	102		60.00	126.00
		1,1-Dichloroethene-d2	5	4.1	82		65.00	130.00
		2-Butanone-d5	25	28.98	116		42.00	171.00
		Chloroform-d	5	4.56	91		80.00	123.00
		1,2-Dichloroethane-d4	5	4.75	95		78.00	129.00
		Benzene-d6	5	4.66	93		78.00	121.00
		1,2-Dichloropropane-d6	5	4.93	99		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.47	89		80.00	128.00

Chemtech

Surrogate Summary
SW-846

SDG No.: Y2469
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2469-11	11	Toluene-d8	5	4.85	97		77.00	120.00
		2-Hexanone-d5	25	26.09	104		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.82	96		75.00	131.00
		Bromoform-d	5	4.58	92		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.85	97		50.00	150.00
Y2469-12	BR	Vinyl Chloride-d3	5	5.04	101		49.00	138.00
		Chloroethane-d5	5	5.08	102		60.00	126.00
		1,1-Dichloroethene-d2	5	3.92	78		65.00	130.00
		2-Butanone-d5	25	25.78	103		42.00	171.00
		Chloroform-d	5	4.32	86		80.00	123.00
		1,2-Dichloroethane-d4	5	4.74	95		78.00	129.00
		Benzene-d6	5	4.81	96		78.00	121.00
		1,2-Dichloropropane-d6	5	5.07	101		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.33	87		80.00	128.00
		Toluene-d8	5	4.83	97		77.00	120.00
		2-Hexanone-d5	25	22.92	92		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.32	86		75.00	131.00
		Bromoform-d	5	4.43	89		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.73	95		50.00	150.00
Y2469-13	TB-3	Vinyl Chloride-d3	5	4.96	99		49.00	138.00
		Chloroethane-d5	5	4.94	99		60.00	126.00
		1,1-Dichloroethene-d2	5	3.71	74		65.00	130.00
		2-Butanone-d5	25	23.03	92		42.00	171.00
		Chloroform-d	5	4.44	89		80.00	123.00
		1,2-Dichloroethane-d4	5	4.1	82		78.00	129.00
		Benzene-d6	5	4.74	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.55	91		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.05	81		80.00	128.00
		Toluene-d8	5	4.79	96		77.00	120.00
		2-Hexanone-d5	25	22.45	90		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.3	86		75.00	131.00
		Bromoform-d	5	4.28	86		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.59	92		50.00	150.00

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Laboratory Control Spike - EPA Sample No: VLCS01

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0		4.9	98	(70-130
Chloromethane	5.0		4.9	98	(70-130
Vinyl chloride	5.0		5.4	108	(70-130
Bromomethane	5.0		5.5	110	(70-130
Chloroethane	5.0		5.6	112	(70-130
Trichlorofluoromethane	5.0		4.9	98	(70-130
1,1,2-Trichlorotrifluo	5.0		4.8	96	(70-130
1,1-Dichloroethene	5.0		4.9	98	(70-130
Acetone	25		21	84	(70-130
Carbon disulfide	5.0		4.8	96	(70-130
Methyl tert-butyl Ethe	5.0		4.4	88	(70-130
Methyl Acetate	5.0		5.3	106	(70-130
Methylene chloride	5.0		5.1	102	(70-130
trans-1,2-Dichloroethe	5.0		4.8	96	(70-130
1,1-Dichloroethane	5.0		4.8	96	(70-130
Cyclohexane	5.0		4.5	90	(70-130
2-Butanone	25		22	88	(70-130
Carbon tetrachloride	5.0		4.3	86	(70-130
cis-1,2-Dichloroethene	5.0		4.6	92	(70-130
Bromochloromethane	5.0		4.7	94	(70-130
Chloroform	5.0		4.8	96	(70-130
1,1,1-Trichloroethane	5.0		4.4	88	(70-130
Methylcyclohexane	5.0		4.4	88	(70-130
Benzene	5.0		4.5	90	(70-130
1,2-Dichloroethane	5.0		4.6	92	(70-130
Trichloroethene	5.0		4.5	90	(70-130
1,2-Dichloropropane	5.0		4.6	92	(70-130
Bromodichloromethane	5.0		4.2	84	(70-130
4-Methyl-2-pentanone	25		22	88	(70-130
Toluene	5.0		4.5	90	(70-130
trans-1,3-Dichloroprop	5.0		4.3	86	(70-130
cis-1,3-Dichloropropen	5.0		4.3	86	(70-130
1,1,2-Trichloroethane	5.0		4.7	94	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Laboratory Control Spike - EPA Sample No: VLCS01

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
2-Hexanone	25		23	92	(70-130
Dibromochloromethane	5.0		4.4	88	(70-130
1,2-Dibromoethane	5.0		4.6	92	(70-130
Tetrachloroethene	5.0		4.3	86	(70-130
Chlorobenzene	5.0		4.6	92	(70-130
Ethylbenzene	5.0		4.6	92	(70-130
m&p-xylenes	10		9.3	93	(70-130
o-xylene	5.0		4.7	94	(70-130
Styrene	5.0		4.6	92	(70-130
Bromoform	5.0		4.5	90	(70-130
Isopropylbenzene	5.0		4.5	90	(70-130
1,1,2,2-Tetrachloroeth	5.0		4.6	92	(70-130
1,3-Dichlorobenzene	5.0		4.5	90	(70-130
1,4-Dichlorobenzene	5.0		4.6	92	(70-130
1,2-Dichlorobenzene	5.0		4.7	94	(70-130
1,2-Dibromo-3-chloropr	5.0		4.7	94	(70-130
1,2,4-trichlorobenzene	5.0		4.4	88	(70-130
1,2,3-Trichlorobenzene	5.0		4.4	88	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Laboratory Control Spike - EPA Sample No: VLCS02

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0		4.8	96	(70-130
Chloromethane	5.0		5.0	100	(70-130
Vinyl chloride	5.0		5.3	106	(70-130
Bromomethane	5.0		5.9	118	(70-130
Chloroethane	5.0		5.4	108	(70-130
Trichlorofluoromethane	5.0		4.7	94	(70-130
1,1,2-Trichlorotrifluo	5.0		5.1	102	(70-130
1,1-Dichloroethene	5.0		5.1	102	(70-130
Acetone	25		24	96	(70-130
Carbon disulfide	5.0		4.9	98	(70-130
Methyl tert-butyl Ethe	5.0		5.1	102	(70-130
Methyl Acetate	5.0		5.5	110	(70-130
Methylene chloride	5.0		5.5	110	(70-130
trans-1,2-Dichloroethe	5.0		5.0	100	(70-130
1,1-Dichloroethane	5.0		4.8	96	(70-130
Cyclohexane	5.0		4.4	88	(70-130
2-Butanone	25		25	100	(70-130
Carbon tetrachloride	5.0		4.5	90	(70-130
cis-1,2-Dichloroethene	5.0		4.8	96	(70-130
Bromochloromethane	5.0		4.9	98	(70-130
Chloroform	5.0		5.1	102	(70-130
1,1,1-Trichloroethane	5.0		4.2	84	(70-130
Methylcyclohexane	5.0		4.6	92	(70-130
Benzene	5.0		4.7	94	(70-130
1,2-Dichloroethane	5.0		4.7	94	(70-130
Trichloroethene	5.0		4.6	92	(70-130
1,2-Dichloropropane	5.0		4.8	96	(70-130
Bromodichloromethane	5.0		4.5	90	(70-130
4-Methyl-2-pentanone	25		25	100	(70-130
Toluene	5.0		4.7	94	(70-130
trans-1,3-Dichloroprop	5.0		4.7	94	(70-130
cis-1,3-Dichloropropen	5.0		4.6	92	(70-130
1,1,2-Trichloroethane	5.0		5.1	102	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Laboratory Control Spike - EPA Sample No: VLCS02

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
2-Hexanone	25		26	104	(70-130
Dibromochloromethane	5.0		4.7	94	(70-130
1,2-Dibromoethane	5.0		4.9	98	(70-130
Tetrachloroethene	5.0		4.8	96	(70-130
Chlorobenzene	5.0		4.7	94	(70-130
Ethylbenzene	5.0		4.8	96	(70-130
m&p-xylenes	10		9.2	92	(70-130
o-xylene	5.0		4.8	96	(70-130
Styrene	5.0		4.9	98	(70-130
Bromoform	5.0		4.8	96	(70-130
Isopropylbenzene	5.0		4.7	94	(70-130
1,1,2,2-Tetrachloroeth	5.0		5.1	102	(70-130
1,3-Dichlorobenzene	5.0		4.8	96	(70-130
1,4-Dichlorobenzene	5.0		4.7	94	(70-130
1,2-Dichlorobenzene	5.0		4.7	94	(70-130
1,2-Dibromo-3-chloropr	5.0		5.0	100	(70-130
1,2,4-trichlorobenzene	5.0		5.3	106	(70-130
1,2,3-Trichlorobenzene	5.0		5.1	102	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK01

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG NO.: Y2469

Lab File ID: VF006770.D Lab Sample ID: VBF0503W2

Date Analyzed: 5/3/2007 Time Analyzed: 11:42

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSF0503W1	VF006771.D	12:19
VLCS02	BSF0503W2	VF006772.D	12:57
TB-3	Y2469-13	VF006773.D	13:36
NS	Y2469-01	VF006774.D	14:13
ND	Y2469-02	VF006775.D	14:57
KDR	Y2469-03	VF006776.D	15:36
KSR	Y2469-04	VF006777.D	16:13
17	Y2469-05	VF006778.D	16:50
16	Y2469-06	VF006779.D	17:27
RB-2	Y2469-07	VF006780.D	18:03
12	Y2469-08	VF006781.D	18:41
26	Y2469-09	VF006782.D	19:18
101	Y2469-10	VF006783.D	19:54
11	Y2469-11	VF006784.D	20:32
BR	Y2469-12	VF006785.D	21:09

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG NO.: Y2469

Lab File ID: VF006723.D BFB Injection Date: 5/1/2007

Instrument ID: MSVOAF BFB Injection Time: 11:11

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.1
75	30.0 - 66.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.4(0.5) 1
174	50.0 - 120.0% of mass 95	69.1
175	4.0 - 9.0% of mass 174	4.9 (7.0) 1
176	93.0 - 101.0% of mass 174	67.4 (97.5) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTD0.50	0.5 PPB ICC	VF006724.D	5/1/2007	11:44
VSTD001	1 PPB ICC	VF006725.D	5/1/2007	12:22
VSTD005	5 PPB ICC	VF006726.D	5/1/2007	13:00
VSTD010	10 PPB ICC	VF006727.D	5/1/2007	13:37
VSTD025	25 PPB ICC	VF006728.D	5/1/2007	14:14

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG NO.: Y2469

Lab File ID: VF006767.D BFB Injection Date: 5/3/2007

Instrument ID: MSVOAF BFB Injection Time: 09:52

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.4
75	30.0 - 66.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.3(0.6) 1
174	50.0 - 120.0% of mass 95	52.7
175	4.0 - 9.0% of mass 174	3.1 (5.8) 1
176	93.0 - 101.0% of mass 174	51.0 (96.9 1
177	5.0 - 9.0% of mass 176	3.0 (5.9 2

1-Value is % mass 174

2-Value is % mass 176

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 CCC	VF006768.D	5/3/2007	10:27
VBLK01	VBF0503W2	VF006770.D	5/3/2007	11:42
VLCS01	BSF0503W1	VF006771.D	5/3/2007	12:19
VLCS02	BSF0503W2	VF006772.D	5/3/2007	12:57
TB-3	Y2469-13	VF006773.D	5/3/2007	13:36
NS	Y2469-01	VF006774.D	5/3/2007	14:13
ND	Y2469-02	VF006775.D	5/3/2007	14:57
KDR	Y2469-03	VF006776.D	5/3/2007	15:36
KSR	Y2469-04	VF006777.D	5/3/2007	16:13
17	Y2469-05	VF006778.D	5/3/2007	16:50
16	Y2469-06	VF006779.D	5/3/2007	17:27
RB-2	Y2469-07	VF006780.D	5/3/2007	18:03
12	Y2469-08	VF006781.D	5/3/2007	18:41
26	Y2469-09	VF006782.D	5/3/2007	19:18
101	Y2469-10	VF006783.D	5/3/2007	19:54
11	Y2469-11	VF006784.D	5/3/2007	20:32
BR	Y2469-12	VF006785.D	5/3/2007	21:09

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CONS02

Lab Code: CTECH Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Lab File ID: VF006768.D Date Analyzed: 5/3/2007

Instrument ID: MSVOAF Time Analyzed: 10:27

GC Column: RTX624 ID: 0.5 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1876301	8.44	1432879	14.36	797837	19.67
UPPER LIMIT	2626822	8.77	2006031	14.69	1116972	20.00
LOWER LIMIT	1125781	8.11	859727	14.03	478702	19.34
SAMPLE NO.						
VBLK01	1889776	8.45	1508132	14.37	854242	19.67
VLCS01	1853130	8.46	1512684	14.36	837947	19.64
VLCS02	1945347	8.47	1538601	14.37	842622	19.68
TB-3	2004383	8.47	1585611	14.38	848638	19.69
NS	2022199	8.46	1580703	14.37	857153	19.66
ND	2161293	8.47	1758099	14.38	957981	19.67
KDR	2018255	8.47	1623814	14.38	868676	19.67
KSR	1870981	8.47	1466206	14.38	773031	19.67
17	1968311	8.48	1533743	14.37	796865	19.67
16	1939933	8.46	1531428	14.39	860304	19.67
RB-2	1978913	8.47	1538267	14.37	821872	19.66
12	1955306	8.47	1543848	14.39	816862	19.68
26	1975377	8.48	1560368	14.39	823487	19.69
101	1998705	8.48	1535896	14.37	846894	19.68
11	1942163	8.47	1588980	14.40	834515	19.68
BR	1878982	8.46	1479553	14.38	769910	19.68

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

102

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006826.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

102

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER

Lab Sample ID: Y2485-01

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006826.D

Level (low/med):

Date Received: 4/26/07

% Moisture: not dec. 100

Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

102

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2485

SAS No.: Y2485

SDG No.: Y2485

Matrix (soil/water): WATER

Lab Sample ID: Y2485-01

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006826.D

Level (low/med):

Date Received: 4/26/2007

% Moisture: not dec. 100

Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

31

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006827.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

31

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006827.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

31

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-02

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006827.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-03

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006828.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-03

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006828.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2485

SAS No.: Y2485

SDG No.: Y2485

Matrix (soil/water): WATER

Lab Sample ID: Y2485-03

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006828.D

Level (low/med):

Date Received: 4/26/2007

% Moisture: not dec. 100

Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006829.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.28	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006829.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006829.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006830.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

JS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006830.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

JS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-07

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006830.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

24

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-08

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006831.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	4.9	
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.33	J
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

24

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-08

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006831.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

24

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-08

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006831.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-09

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006825.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	9.4	
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	3.0	B
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.37	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-09

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006825.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2485

SAS No.: Y2485

SDG No.: Y2485

Matrix (soil/water): WATER

Lab Sample ID: Y2485-09

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006825.D

Level (low/med):

Date Received: 4/26/2007

% Moisture: not dec. 100

Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

23

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-10

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006832.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

23

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-10

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006832.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

23

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-10

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006832.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

30R

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-11

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006833.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

30R

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-11

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006833.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

30R

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-11

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006833.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	000135-98-8	Benzene, (1-methylpropyl)-	19.21	1.0	J
2.	006682-71-9	1H-Indene, 2,3-dihydro-4,7-d	22.95	0.51	J
3.	004912-92-9	1H-Indene, 2,3-dihydro-1,1-d	24.62	1.2	J

Comments:

Chemtech

Surrogate Summary
SW-846

No.: Y2485
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSF0508W1	VLCS01	Vinyl Chloride-d3	5	4.87	97		49.00	138.0
		Chloroethane-d5	5	4.91	98		60.00	126.0
		1,1-Dichloroethene-d2	5	4.68	94		65.00	130.0
		2-Butanone-d5	25	25.66	103		42.00	171.0
		Chloroform-d	5	4.79	96		80.00	123.0
		1,2-Dichloroethane-d4	5	4.78	96		78.00	129.0
		Benzene-d6	5	4.77	95		78.00	121.0
		1,2-Dichloropropane-d6	5	4.89	98		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.6	92		80.00	128.0
		Toluene-d8	5	4.82	96		77.00	120.0
		2-Hexanone-d5	25	24.31	97		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.87	97		75.00	131.0
		Bromoform-d	5	1.12	22	*	76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.07	101		50.00	150.0
VBF0508W2	VBLK01	Vinyl Chloride-d3	5	5.03	101		49.00	138.0
		Chloroethane-d5	5	5.09	102		60.00	126.0
		1,1-Dichloroethene-d2	5	3.74	75		65.00	130.0
		2-Butanone-d5	25	23.52	94		42.00	171.0
		Chloroform-d	5	4.59	92		80.00	123.0
		1,2-Dichloroethane-d4	5	4.88	98		78.00	129.0
		Benzene-d6	5	4.77	95		78.00	121.0
		1,2-Dichloropropane-d6	5	4.96	99		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.62	92		80.00	128.0
		Toluene-d8	5	4.9	98		77.00	120.0
		2-Hexanone-d5	25	24.89	100		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.93	99		75.00	131.0
		Bromoform-d	5	4.85	97		76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.17	103		50.00	150.0
Y2443-03	STORAGEBLANK	Vinyl Chloride-d3	5	5.56	111		49.00	138.0
		Chloroethane-d5	5	5.79	116		60.00	126.0
		1,1-Dichloroethene-d2	5	4.17	83		65.00	130.0
		2-Butanone-d5	25	34.41	138		42.00	171.0
		Chloroform-d	5	4.94	99		80.00	123.0
		1,2-Dichloroethane-d4	5	5.64	113		78.00	129.0
		Benzene-d6	5	5.08	102		78.00	121.0
		1,2-Dichloropropane-d6	5	5.34	107		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	5.09	102		80.00	128.
		Toluene-d8	5	5.21	104		77.00	120.
		2-Hexanone-d5	25	30.66	123		37.00	169.
		1,1,2,2-Tetrachloroethane-d2	5	5.93	119		75.00	131.
		Bromoform-d	5	4.31	86		76.00	135.
		1,2-Dichlorobenzene-d4	5	5.24	105		50.00	150.

Chemtech

Surrogate Summary
SW-846

No.: Y2485
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2485-01	102	Vinyl Chloride-d3	5	5.06	101		49.00	138.0
		Chloroethane-d5	5	4.96	99		60.00	126.0
		1,1-Dichloroethene-d2	5	3.74	75		65.00	130.0
		2-Butanone-d5	25	23.37	93		42.00	171.0
		Chloroform-d	5	4.59	92		80.00	123.0
		1,2-Dichloroethane-d4	5	4.7	94		78.00	129.0
		Benzene-d6	5	4.9	98		78.00	121.0
		1,2-Dichloropropane-d6	5	4.98	100		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.79	96		80.00	128.0
		Toluene-d8	5	5.05	101		77.00	120.0
		2-Hexanone-d5	25	24.44	98		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.94	99		75.00	131.0
		Bromoform-d	5	4.66	93		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.96	99		50.00	150.0
Y2485-02	31	Vinyl Chloride-d3	5	5	100		49.00	138.0
		Chloroethane-d5	5	5	100		60.00	126.0
		1,1-Dichloroethene-d2	5	3.67	73		65.00	130.0
		2-Butanone-d5	25	22.99	92		42.00	171.0
		Chloroform-d	5	4.46	89		80.00	123.0
		1,2-Dichloroethane-d4	5	4.79	96		78.00	129.0
		Benzene-d6	5	4.64	93		78.00	121.0
		1,2-Dichloropropane-d6	5	4.74	95		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.39	88		80.00	128.0
		Toluene-d8	5	4.8	96		77.00	120.0
		2-Hexanone-d5	25	24.2	97		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.87	97		75.00	131.0
		Bromoform-d	5	4.71	94		76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.09	102		50.00	150.0
Y2485-03	32	Vinyl Chloride-d3	5	5.04	101		49.00	138.0
		Chloroethane-d5	5	4.92	98		60.00	126.0
		1,1-Dichloroethene-d2	5	3.69	74		65.00	130.0
		2-Butanone-d5	25	23.63	95		42.00	171.0
		Chloroform-d	5	4.39	88		80.00	123.0
		1,2-Dichloroethane-d4	5	4.93	99		78.00	129.0
		Benzene-d6	5	4.92	98		78.00	121.0
		1,2-Dichloropropane-d6	5	5.15	103		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.76	95		80.00	128.0
		Toluene-d8	5	5.21	104		77.00	120.0
		2-Hexanone-d5	25	25.19	101		37.00	169.
		1,1,2,2-Tetrachloroethane-d2	5	4.99	100		75.00	131.
		Bromoform-d	5	4.55	91		76.00	135.
		1,2-Dichlorobenzene-d4	5	4.76	95		50.00	150.

Chemtech

Surrogate Summary
SW-846

No.: Y2485
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2485-04	JDR	Vinyl Chloride-d3	5	4.84	97		49.00	138.0
		Chloroethane-d5	5	4.76	95		60.00	126.0
		1,1-Dichloroethene-d2	5	3.71	74		65.00	130.0
		2-Butanone-d5	25	21.89	88		42.00	171.0
		Chloroform-d	5	4.52	90		80.00	123.0
		1,2-Dichloroethane-d4	5	4.87	97		78.00	129.0
		Benzene-d6	5	4.73	95		78.00	121.0
		1,2-Dichloropropane-d6	5	4.81	96		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.66	93		80.00	128.0
		Toluene-d8	5	4.88	98		77.00	120.0
		2-Hexanone-d5	25	23.57	94		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.86	97		75.00	131.0
		Bromoform-d	5	4.55	91		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.82	96		50.00	150.0
Y2485-05MS	JDRMS	Vinyl Chloride-d3	5	4.7	94		49.00	138.0
		Chloroethane-d5	5	4.68	94		60.00	126.0
		1,1-Dichloroethene-d2	5	4.72	94		65.00	130.0
		2-Butanone-d5	25	26.04	104		42.00	171.0
		Chloroform-d	5	4.74	95		80.00	123.0
		1,2-Dichloroethane-d4	5	5.31	106		78.00	129.0
		Benzene-d6	5	4.58	92		78.00	121.0
		1,2-Dichloropropane-d6	5	4.88	98		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	5.01	100		80.00	128.0
		Toluene-d8	5	4.77	95		77.00	120.0
		2-Hexanone-d5	25	25.89	104		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.26	105		75.00	131.0
		Bromoform-d	5	5.23	105		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.97	99		50.00	150.0
Y2485-06MSD	JDRMSD	Vinyl Chloride-d3	5	4.8	96		49.00	138.0
		Chloroethane-d5	5	4.9	98		60.00	126.0
		1,1-Dichloroethene-d2	5	4.71	94		65.00	130.0
		2-Butanone-d5	25	23.33	93		42.00	171.0
		Chloroform-d	5	4.57	91		80.00	123.0
		1,2-Dichloroethane-d4	5	4.9	98		78.00	129.0
		Benzene-d6	5	4.7	94		78.00	121.0
		1,2-Dichloropropane-d6	5	4.98	100		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.4	88		80.00	128.0
		Toluene-d8	5	4.9	98		77.00	120.0
		2-Hexanone-d5	25	23.8	95		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.1	102		75.00	131.0
		Bromoform-d	5	4.58	92		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.95	99		50.00	150.0

Chemtech

Surrogate Summary
SW-846

No.: Y2485
nt: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2485-07	JS	Vinyl Chloride-d3	5	5.02	100		49.00	138.0
		Chloroethane-d5	5	5.14	103		60.00	126.0
		1,1-Dichloroethene-d2	5	3.73	75		65.00	130.0
		2-Butanone-d5	25	24.86	99		42.00	171.0
		Chloroform-d	5	4.57	91		80.00	123.0
		1,2-Dichloroethane-d4	5	5.12	102		78.00	129.0
		Benzene-d6	5	4.78	96		78.00	121.0
		1,2-Dichloropropane-d6	5	5.1	102		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.91	98		80.00	128.0
		Toluene-d8	5	4.91	98		77.00	120.0
		2-Hexanone-d5	25	25.42	102		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.79	96		75.00	131.0
		Bromoform-d	5	4.72	94		76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.13	103		50.00	150.0
Y2485-08	24	Vinyl Chloride-d3	5	5.06	101		49.00	138.0
		Chloroethane-d5	5	5.05	101		60.00	126.0
		1,1-Dichloroethene-d2	5	3.74	75		65.00	130.0
		2-Butanone-d5	25	26.02	104		42.00	171.0
		Chloroform-d	5	4.48	90		80.00	123.0
		1,2-Dichloroethane-d4	5	5.28	106		78.00	129.0
		Benzene-d6	5	4.61	92		78.00	121.0
		1,2-Dichloropropane-d6	5	5.06	101		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.6	92		80.00	128.0
		Toluene-d8	5	4.96	99		77.00	120.0
		2-Hexanone-d5	25	26.23	105		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.97	99		75.00	131.0
		Bromoform-d	5	4.74	95		76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.13	103		50.00	150.0
Y2485-09	FB-1	Vinyl Chloride-d3	5	4.92	98		49.00	138.0
		Chloroethane-d5	5	4.97	99		60.00	126.0
		1,1-Dichloroethene-d2	5	3.73	75		65.00	130.0
		2-Butanone-d5	25	23.64	95		42.00	171.
		Chloroform-d	5	4.49	90		80.00	123.
		1,2-Dichloroethane-d4	5	4.56	91		78.00	129.
		Benzene-d6	5	4.61	92		78.00	121.
		1,2-Dichloropropane-d6	5	4.92	98		84.00	123.
		trans-1,3-Dichloropropene-d4	5	4.46	89		80.00	128.
		Toluene-d8	5	4.89	98		77.00	120.
		2-Hexanone-d5	25	23.85	95		37.00	169.
		1,1,2,2-Tetrachloroethane-d2	5	4.91	98		75.00	131.
		Bromoform-d	5	4.79	96		76.00	135.
		1,2-Dichlorobenzene-d4	5	5.08	102		50.00	150.

Chemtech

Surrogate Summary
SW-846

No.: Y2485
nt: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2485-10	23	Vinyl Chloride-d3	5	4.83	97		49.00	138.0
		Chloroethane-d5	5	5.03	101		60.00	126.0
		1,1-Dichloroethene-d2	5	3.75	75		65.00	130.0
		2-Butanone-d5	25	24.17	97		42.00	171.0
		Chloroform-d	5	4.46	89		80.00	123.0
		1,2-Dichloroethane-d4	5	5.06	101		78.00	129.0
		Benzene-d6	5	4.78	96		78.00	121.0
		1,2-Dichloropropane-d6	5	4.95	99		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.54	91		80.00	128.0
		Toluene-d8	5	4.97	99		77.00	120.0
		2-Hexanone-d5	25	23.74	95		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.69	94		75.00	131.0
		Bromoform-d	5	3.99	80		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.7	94		50.00	150.0
Y2485-11	30R	Vinyl Chloride-d3	5	4.86	97		49.00	138.0
		Chloroethane-d5	5	4.96	99		60.00	126.0
		1,1-Dichloroethene-d2	5	3.65	73		65.00	130.0
		2-Butanone-d5	25	24.2	97		42.00	171.0
		Chloroform-d	5	4.49	90		80.00	123.0
		1,2-Dichloroethane-d4	5	5.02	100		78.00	129.0
		Benzene-d6	5	4.69	94		78.00	121.0
		1,2-Dichloropropane-d6	5	4.87	97		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.76	95		80.00	128.0
		Toluene-d8	5	4.87	97		77.00	120.0
		2-Hexanone-d5	25	23.93	96		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.87	97		75.00	131.0
		Bromoform-d	5	4.46	89		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.98	100		50.00	150.0

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix Spike - EPA Sample No: JDR

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0	0	5.2	104	(70-130
Chloromethane	5.0	0	5.4	108	(70-130
Vinyl chloride	5.0	0	5.1	102	(70-130
Bromomethane	5.0	0	5.2	104	(70-130
Chloroethane	5.0	0	5.2	104	(70-130
Trichlorofluoromethane	5.0	0	5.1	102	(70-130
1,1,2-Trichlorotrifluo	5.0	0	4.9	98	(70-130
1,1-Dichloroethene	5.0	0	5.1	102	(70-130
Acetone	25	0	26	104	(70-130
Carbon disulfide	5.0	0	4.9	98	(70-130
Methyl tert-butyl Ethe	5.0	0	5.4	108	(70-130
Methyl Acetate	5.0	0	5.1	102	(70-130
Methylene chloride	5.0	0.28	5.1	96	(70-130
trans-1,2-Dichloroethe	5.0	0	4.9	98	(70-130
1,1-Dichloroethane	5.0	0	5.2	104	(70-130
Cyclohexane	5.0	0	5.0	100	(70-130
2-Butanone	25	0	25	100	(70-130
Carbon tetrachloride	5.0	0	4.7	94	(70-130
cis-1,2-Dichloroethene	5.0	0	5.2	104	(70-130
Bromochloromethane	5.0	0	5.2	104	(70-130
Chloroform	5.0	0	5.4	108	(70-130
1,1,1-Trichloroethane	5.0	0	4.8	96	(70-130
Methylcyclohexane	5.0	0	4.8	96	(70-130
Benzene	5.0	0	4.9	98	(70-130
1,2-Dichloroethane	5.0	0	5.2	104	(70-130
Trichloroethene	5.0	0	4.9	98	(70-130
1,2-Dichloropropane	5.0	0	4.8	96	(70-130
Bromodichloromethane	5.0	0	5.0	100	(70-130
4-Methyl-2-pentanone	25	0	28	112	(70-130
Toluene	5.0	0	4.9	98	(70-130
trans-1,3-Dichloroprop	5.0	0	4.9	98	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix Spike - EPA Sample No: JDR

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMIT REC
cis-1,3-Dichloropropen	5.0	0	4.8	96	(70-130
1,1,2-Trichloroethane	5.0	0	5.2	104	(70-130
2-Hexanone	25	0	28	112	(70-130
Dibromochloromethane	5.0	0	5.3	106	(70-130
1,2-Dibromoethane	5.0	0	5.2	104	(70-130
Tetrachloroethene	5.0	0	4.8	96	(70-130
Chlorobenzene	5.0	0	5.0	100	(70-130
Ethylbenzene	5.0	0	4.9	98	(70-130
m&p-xylenes	10	0	10	100	(70-130
o-xylene	5.0	0	5.1	102	(70-130
Styrene	5.0	0	5.2	104	(70-130
Bromoform	5.0	0	3.5	70	(70-130
Isopropylbenzene	5.0	0	5.1	102	(70-130
1,1,2,2-Tetrachloroeth	5.0	0	5.2	104	(70-130
1,3-Dichlorobenzene	5.0	0	5.0	100	(70-130
1,4-Dichlorobenzene	5.0	0	5.1	102	(70-130
1,2-Dichlorobenzene	5.0	0	5.1	102	(70-130
1,2-Dibromo-3-chloropr	5.0	0	5.2	104	(70-130
1,2,4-trichlorobenzene	5.0	0	5.2	104	(70-130
1,2,3-Trichlorobenzene	5.0	0	4.9	98	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix Spike - EPA Sample No: JDR

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMITS RPD	QC LIMITS REC
Dichlorodifluoromethan	5.0	4.8	96	8	20	(70-130
Chloromethane	5.0	5.3	106	2	20	(70-130
Vinyl chloride	5.0	5.0	100	2	20	(70-130
Bromomethane	5.0	5.4	108	4	20	(70-130
Chloroethane	5.0	5.4	108	4	20	(70-130
Trichlorofluoromethane	5.0	4.8	96	6	20	(70-130
1,1,2-Trichlorotrifluo	5.0	4.9	98	0	20	(70-130
1,1-Dichloroethene	5.0	5.2	104	2	20	(70-130
Acetone	25	23	92	12	20	(70-130
Carbon disulfide	5.0	5.1	102	4	20	(70-130
Methyl tert-butyl Ethe	5.0	5.0	100	8	20	(70-130
Methyl Acetate	5.0	5.1	102	0	20	(70-130
Methylene chloride	5.0	5.0	94	2	20	(70-130
trans-1,2-Dichloroethe	5.0	5.1	102	4	20	(70-130
1,1-Dichloroethane	5.0	4.9	98	6	20	(70-130
Cyclohexane	5.0	5.0	100	0	20	(70-130
2-Butanone	25	23	92	8	20	(70-130
Carbon tetrachloride	5.0	4.7	94	0	20	(70-130
cis-1,2-Dichloroethene	5.0	5.2	104	0	20	(70-130
Bromochloromethane	5.0	5.2	104	0	20	(70-130
Chloroform	5.0	5.2	104	4	20	(70-130
1,1,1-Trichloroethane	5.0	4.8	96	0	20	(70-130
Methylcyclohexane	5.0	5.1	102	6	20	(70-130
Benzene	5.0	4.8	96	2	20	(70-130
1,2-Dichloroethane	5.0	4.9	98	6	20	(70-130
Trichloroethene	5.0	4.8	96	2	20	(70-130
1,2-Dichloropropane	5.0	4.7	94	2	20	(70-130
Bromodichloromethane	5.0	4.8	96	4	20	(70-130
4-Methyl-2-pentanone	25	26	104	7	20	(70-130
Toluene	5.0	4.9	98	0	20	(70-130
trans-1,3-Dichloroprop	5.0	4.8	96	2	20	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 51 outside limits

Spike Recovery: 0 out of 102 outside limits

Comments:

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix Spike - EPA Sample No: JDR

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMITS RPD	QC LIMITS REC
cis-1,3-Dichloropropen	5.0	4.8	96	0	20	(70-130
1,1,2-Trichloroethane	5.0	5.0	100	4	20	(70-130
2-Hexanone	25	27	108	4	20	(70-130
Dibromochloromethane	5.0	5.1	102	4	20	(70-130
1,2-Dibromoethane	5.0	5.1	102	2	20	(70-130
Tetrachloroethene	5.0	4.9	98	2	20	(70-130
Chlorobenzene	5.0	5.1	102	2	20	(70-130
Ethylbenzene	5.0	5.0	100	2	20	(70-130
m&p-xylenes	10	10	100	0	20	(70-130
o-xylene	5.0	5.0	100	2	20	(70-130
Styrene	5.0	5.1	102	2	20	(70-130
Bromoform	5.0	4.6	92	27*	20	(70-130
Isopropylbenzene	5.0	5.0	100	2	20	(70-130
1,1,2,2-Tetrachloroeth	5.0	5.0	100	4	20	(70-130
1,3-Dichlorobenzene	5.0	4.8	96	4	20	(70-130
1,4-Dichlorobenzene	5.0	4.7	94	8	20	(70-130
1,2-Dichlorobenzene	5.0	4.9	98	4	20	(70-130
1,2-Dibromo-3-chloropr	5.0	4.9	98	6	20	(70-130
1,2,4-trichlorobenzene	5.0	5.2	104	0	20	(70-130
1,2,3-Trichlorobenzene	5.0	4.8	96	2	20	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 51 outside limits

Spike Recovery: 0 out of 102 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Laboratory Control Spike - EPA Sample No: VLCS01

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0		4.7	94	(70-130
Chloromethane	5.0		5.1	102	(70-130
Vinyl chloride	5.0		4.9	98	(70-130
Bromomethane	5.0		5.5	110	(70-130
Chloroethane	5.0		5.0	100	(70-130
Trichlorofluoromethane	5.0		4.6	92	(70-130
1,1,2-Trichlorotrifluo	5.0		5.2	104	(70-130
1,1-Dichloroethene	5.0		5.2	104	(70-130
Acetone	25		28	112	(70-130
Carbon disulfide	5.0		5.2	104	(70-130
Methyl tert-butyl Ethe	5.0		5.3	106	(70-130
Methyl Acetate	5.0		6.3	126	(70-130
Methylene chloride	5.0		5.2	104	(70-130
trans-1,2-Dichloroethe	5.0		5.2	104	(70-130
1,1-Dichloroethane	5.0		5.1	102	(70-130
Cyclohexane	5.0		5.0	100	(70-130
2-Butanone	25		26	104	(70-130
Carbon tetrachloride	5.0		4.7	94	(70-130
cis-1,2-Dichloroethene	5.0		5.4	108	(70-130
Bromochloromethane	5.0		4.7	94	(70-130
Chloroform	5.0		5.1	102	(70-130
1,1,1-Trichloroethane	5.0		4.8	96	(70-130
Methylcyclohexane	5.0		4.9	98	(70-130
Benzene	5.0		5.0	100	(70-130
1,2-Dichloroethane	5.0		4.8	96	(70-130
Trichloroethene	5.0		5.1	102	(70-130
1,2-Dichloropropane	5.0		4.9	98	(70-130
Bromodichloromethane	5.0		4.9	98	(70-130
4-Methyl-2-pentanone	25		26	104	(70-130
Toluene	5.0		5.0	100	(70-130
trans-1,3-Dichloroprop	5.0		4.9	98	(70-130
cis-1,3-Dichloropropen	5.0		4.7	94	(70-130
1,1,2-Trichloroethane	5.0		5.3	106	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Laboratory Control Spike - EPA Sample No: VLCS01

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
2-Hexanone	25		27	108	(70-130
Dibromochloromethane	5.0		5.1	102	(70-130
1,2-Dibromoethane	5.0		5.2	104	(70-130
Tetrachloroethene	5.0		8.0	160*	(70-130
Chlorobenzene	5.0		5.1	102	(70-130
Ethylbenzene	5.0		5.0	100	(70-130
m&p-xylenes	10		10	100	(70-130
o-xylene	5.0		5.1	102	(70-130
Styrene	5.0		5.1	102	(70-130
Bromoform	5.0		8.1	162*	(70-130
Isopropylbenzene	5.0		5.1	102	(70-130
1,1,2,2-Tetrachloroeth	5.0		4.9	98	(70-130
1,3-Dichlorobenzene	5.0		5.0	100	(70-130
1,4-Dichlorobenzene	5.0		4.9	98	(70-130
1,2-Dichlorobenzene	5.0		5.2	104	(70-130
1,2-Dibromo-3-chloropr	5.0		5.3	106	(70-130
1,2,4-trichlorobenzene	5.0		5.5	110	(70-130
1,2,3-Trichlorobenzene	5.0		5.1	102	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 51 outside limits

Comments:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK01

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG NO.: Y2485

Lab File ID: VF006824.D Lab Sample ID: VBF0508W2

Date Analyzed: 5/8/2007 Time Analyzed: 13:57

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
FB-1	Y2485-09	VF006825.D	14:33
102	Y2485-01	VF006826.D	15:10
31	Y2485-02	VF006827.D	15:47
32	Y2485-03	VF006828.D	16:23
JDR	Y2485-04	VF006829.D	17:00
JS	Y2485-07	VF006830.D	17:37
24	Y2485-08	VF006831.D	18:14
23	Y2485-10	VF006832.D	18:51
30R	Y2485-11	VF006833.D	19:28
JDRMS	Y2485-05MS	VF006836.D	21:19
JDRMSD	Y2485-06MSD	VF006837.D	21:55
VLCS01	BSF0508W1	VF006838.D	22:32

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG NO.: Y2485

Lab File ID: VF006723.D BFB Injection Date: 5/1/2007

Instrument ID: MSVOAF BFB Injection Time: 11:11

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.1
75	30.0 - 66.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.4(0.5) 1
174	50.0 - 120.0% of mass 95	69.1
175	4.0 - 9.0% of mass 174	4.9 (7.0) 1
176	93.0 - 101.0% of mass 174	67.4 (97.5) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTD0.50	0.5 PPB ICC	VF006724.D	5/1/2007	11:44
VSTD001	1 PPB ICC	VF006725.D	5/1/2007	12:22
VSTD005	5 PPB ICC	VF006726.D	5/1/2007	13:00
VSTD010	10 PPB ICC	VF006727.D	5/1/2007	13:37
VSTD025	25 PPB ICC	VF006728.D	5/1/2007	14:14

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG NO.: Y2485

Lab File ID: VF006821.D BFB Injection Date: 5/8/2007

Instrument ID: MSVOAF BFB Injection Time: 12:09

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.4
75	30.0 - 66.0% of mass 95	44.4
95	Base Peak, 100% relative abundance	100.0
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 - 120.0% of mass 95	60.2
175	4.0 - 9.0% of mass 174	3.5 (5.8) 1
176	93.0 - 101.0% of mass 174	58.9 (97.7) 1
177	5.0 - 9.0% of mass 176	3.3 (5.6 2

1-Value is % mass 174 2-Value is % mass 176

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 CCC	VF006822.D	5/8/2007	12:44
VBLK01	VBF0508W2	VF006824.D	5/8/2007	13:57
FB-1	Y2485-09	VF006825.D	5/8/2007	14:33
102	Y2485-01	VF006826.D	5/8/2007	15:10
31	Y2485-02	VF006827.D	5/8/2007	15:47
32	Y2485-03	VF006828.D	5/8/2007	16:23
JDR	Y2485-04	VF006829.D	5/8/2007	17:00
JS	Y2485-07	VF006830.D	5/8/2007	17:37
24	Y2485-08	VF006831.D	5/8/2007	18:14
23	Y2485-10	VF006832.D	5/8/2007	18:51
30R	Y2485-11	VF006833.D	5/8/2007	19:28
JDRMS	Y2485-05MS	VF006836.D	5/8/2007	21:19
JDRMSD	Y2485-06MSD	VF006837.D	5/8/2007	21:55
VLCS01	BSF0508W1	VF006838.D	5/8/2007	22:32

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Lab File ID: VF006822.D Date Analyzed: 5/8/2007

Instrument ID: MSVOAF Time Analyzed: 12:44

GC Column: RTX624 ID: 0.5 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2423828	8.44	1819908	14.35	984219	19.64
UPPER LIMIT	3393359	8.77	2547871	14.68	1377907	19.97
LOWER LIMIT	1454297	8.11	1091945	14.02	590531	19.31
SAMPLE NO.						
VBLK01	2344874	8.45	1834010	14.35	984980	19.65
FB-1	2297569	8.45	1785929	14.35	947279	19.64
102	2111228	8.45	1646497	14.36	912361	19.65
31	2255656	8.44	1781178	14.36	959327	19.65
32	2209616	8.44	1632765	14.35	938720	19.65
JDR	2172069	8.45	1692223	14.37	934358	19.66
JS	2167697	8.46	1692142	14.36	922366	19.65
24	2103895	8.44	1635661	14.37	887058	19.65
23	2174240	8.45	1697987	14.37	953448	19.66
30R	2132038	8.46	1678814	14.35	929650	19.65
JDRMS	2146112	8.46	1703965	14.36	961685	19.65
JDRMSD	2390853	8.45	1821053	14.34	1043867	19.63
VLCS01	2479821	8.46	1928615	14.36	1066438	19.65

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Instrument ID: MSVOAF Calibration Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

LAB FILE ID:

RRF0.50 = VF006724.D RRF001 = VF006725.D

RRF005 = VF006726.D RRF010 = VF006727.D RRF025 = VF006728.D

COMPOUND	RRF0.50	RRF001	RRF005	RRF010	RRF025	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.462	0.503	0.515	0.491	0.474	0.489	4.4
Chloromethane *	0.344	0.302	0.250	0.237	0.227	0.272	18.2
Vinyl chloride *	0.246	0.264	0.273	0.264	0.249	0.259	4.4
Bromomethane	0.229	0.202	0.193	0.211	0.221	0.211	6.8
Chloroethane	0.148	0.149	0.157	0.140	0.115	0.142	11.4
Trichlorofluoromethane	0.717	0.794	0.801	0.765	0.750	0.765	4.5
1,1,2-Trichlorotrifluor	0.679	0.626	0.663	0.606	0.597	0.634	5.6
1,1-Dichloroethene *	0.332	0.303	0.296	0.282	0.270	0.297	7.9
Acetone	0.024	0.022	0.015	0.014	0.014	0.018	26.8
Carbon disulfide	0.897	0.849	0.819	0.789	0.772	0.825	6.0
Methyl tert-butyl Ether	0.541	0.487	0.475	0.401	0.405	0.462	12.8
Methyl Acetate	0.159	0.117	0.116	0.117	0.103	0.122	17.5
Methylene chloride	0.274	0.263	0.244	0.237	0.231	0.250	7.2
trans-1,2-Dichloroethen	0.360	0.294	0.325	0.309	0.309	0.319	7.9
1,1-Dichloroethane *	0.538	0.518	0.533	0.520	0.502	0.522	2.7
Cyclohexane	0.581	0.543	0.529	0.565	0.557	0.555	3.6
2-Butanone	0.085	0.056	0.047	0.040	0.041	0.054	34.4
Carbon tetrachloride *	0.826	0.696	0.795	0.746	0.751	0.763	6.5
cis-1,2-Dichloroethene	0.316	0.278	0.303	0.279	0.281	0.291	5.9
Bromochloromethane	0.149	0.110	0.125	0.119	0.118	0.124	12.0
Chloroform *	0.719	0.654	0.634	0.609	0.597	0.643	7.5
1,1,1-Trichloroethane *	1.151	0.977	0.909	0.837	0.834	0.942	13.9
Methylcyclohexane	0.839	0.675	0.740	0.721	0.733	0.742	8.1
Benzene *	1.287	1.184	1.201	1.115	1.112	1.180	6.1
1,2-Dichloroethane *	0.238	0.232	0.253	0.233	0.244	0.240	3.6
Trichloroethene *	0.629	0.519	0.553	0.528	0.524	0.551	8.3
1,2-Dichloropropane *	0.388	0.356	0.375	0.350	0.356	0.365	4.4
Bromodichloromethane *	0.719	0.607	0.665	0.640	0.642	0.655	6.3
4-Methyl-2-pentanone	0.137	0.119	0.126	0.116	0.109	0.121	8.8
Toluene *	1.735	1.511	1.514	1.392	1.347	1.500	10.0
trans-1,3-Dichloroprope *	0.451	0.408	0.445	0.426	0.423	0.431	4.0
cis-1,3-Dichloropropene *	0.620	0.567	0.591	0.564	0.555	0.579	4.5
1,1,2-Trichloroethane *	0.280	0.252	0.260	0.241	0.233	0.253	7.2
2-Hexanone	0.076	0.079	0.087	0.081	0.076	0.080	5.7
Dibromochloromethane *	0.401	0.397	0.439	0.405	0.406	0.410	4.1
1,2-Dibromoethane	0.317	0.305	0.321	0.311	0.307	0.312	2.2
Tetrachloroethene *	0.628	0.619	0.594	0.566	0.528	0.587	7.0
Chlorobenzene *	1.124	1.014	1.056	1.006	0.959	1.032	6.0
Ethylbenzene *	2.357	2.009	1.965	1.859	1.782	1.994	11.1
m&p-xylenes	0.858	0.730	0.737	0.677	0.669	0.734	10.3
o-xylene *	0.767	0.637	0.672	0.647	0.628	0.670	8.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Instrument ID: MSVOAF Calibration Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

LAB FILE ID:

RRF0.50 = VF006724.D RRF001 = VF006725.D

RRF005 = VF006726.D RRF010 = VF006727.D RRF025 = VF006728.D

COMPOUND	RRF0.50	RRF001	RRF005	RRF010	RRF025	$\overline{RRF}$	% RSD
Styrene *	1.110	1.009	1.077	1.027	0.995	1.044	4.6
Bromoform *	0.434	0.496	0.480	0.490	0.519	0.484	6.5
Isopropylbenzene	2.319	2.113	2.222	2.106	2.005	2.153	5.6
1,1,2,2-Tetrachloroetha *	0.336	0.317	0.329	0.299	0.290	0.314	6.2
1,3-Dichlorobenzene *	1.696	1.605	1.655	1.531	1.574	1.612	4.0
1,4-Dichlorobenzene *	1.743	1.675	1.658	1.533	1.601	1.642	4.8
1,2-Dichlorobenzene *	1.418	1.354	1.403	1.283	1.333	1.358	4.0
1,2-Dibromo-3-chloropro	0.075	0.098	0.105	0.101	0.113	0.098	14.5
1,2,4-trichlorobenzene *	0.876	0.969	1.000	0.981	1.048	0.975	6.5
1,2,3-Trichlorobenzene	0.684	0.767	0.825	0.779	0.834	0.778	7.7
1,4-Difluorobenzene	1.000	1.000	1.000	1.000	1.000	1.000	0.0
Chlorobenzene-d5	1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,4-Dichlorobenzene-d4	1.000	1.000	1.000	1.000	1.000	1.000	0.0
Vinyl Chloride-d3	0.283	0.281	0.292	0.288	0.273	0.283	2.6
Chloroethane-d5	0.235	0.240	0.230	0.217	0.178	0.220	11.4
1,1-Dichloroethene-d2	0.703	0.705	0.723	0.702	0.657	0.698	3.5
2-Butanone-d5 *	0.022	0.027	0.028	0.025	0.027	0.026	9.2
Chloroform-d	0.617	0.620	0.673	0.651	0.718	0.656	6.4
1,2-Dichloroethane-d4	0.224	0.228	0.245	0.242	0.236	0.235	3.8
Benzene-d6	1.247	1.245	1.281	1.261	1.239	1.255	1.3
1,2-Dichloropropane-d6	0.478	0.468	0.472	0.458	0.476	0.470	1.7
trans-1,3-Dichloroprope	0.119	0.098	0.104	0.104	0.109	0.107	7.3
Toluene-d8	1.318	1.306	1.343	1.328	1.295	1.318	1.4
2-Hexanone-d5	0.039	0.045	0.043	0.042	0.040	0.042	5.7
1,1,2,2-Tetrachloroetha	0.272	0.296	0.338	0.319	0.304	0.306	8.1
Bromoform-d	0.277	0.336	0.412	0.387	0.433	0.369	17.0
1,2-Dichlorobenzene-d4	0.914	0.888	0.891	0.876	0.919	0.898	2.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Instrument ID: MSVOAF Calibration Date/Time: 5/8/2007 12:44

Lab File ID: VF006822.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF005	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.489	0.549		12.3	
Chloromethane	0.272	0.272		0.0	
Vinyl chloride	0.259	0.294	0.100	13.5	30.0
Bromomethane	0.211	0.215	0.100	1.9	30.0
Chloroethane	0.142	0.161		13.4	
Trichlorofluoromethane	0.765	0.879		14.9	
1,1,2-Trichlorotrifluoroethane	0.634	0.683		7.7	
1,1-Dichloroethene	0.297	0.299	0.100	0.7	30.0
Acetone	0.018	0.018		0.0	
Carbon disulfide	0.825	0.863		4.6	
Methyl tert-butyl Ether	0.462	0.467		1.1	
Methyl Acetate	0.122	0.129		5.7	
Methylene chloride	0.250	0.263		5.2	
trans-1,2-Dichloroethene	0.319	0.336		5.3	
1,1-Dichloroethane	0.522	0.584	0.200	11.9	30.0
Cyclohexane	0.555	0.650		17.1	
2-Butanone	0.054	0.052		-3.7	
Carbon tetrachloride	0.763	0.884	0.100	15.9	30.0
cis-1,2-Dichloroethene	0.291	0.296		1.7	
Bromochloromethane	0.124	0.124	0.050	0.0	30.0
Chloroform	0.643	0.669	0.200	4.0	30.0
1,1,1-Trichloroethane	0.942	0.981	0.100	4.1	30.0
Methylcyclohexane	0.742	0.803		8.2	
Benzene	1.180	1.295	0.400	9.7	30.0
1,2-Dichloroethane	0.240	0.282	0.100	17.5	30.0
Trichloroethene	0.551	0.585	0.300	6.2	30.0
1,2-Dichloropropane	0.365	0.414		13.4	30.0
Bromodichloromethane	0.655	0.707	0.200	7.9	30.0
4-Methyl-2-pentanone	0.121	0.134		10.7	
Toluene	1.500	1.547	0.400	3.1	30.0
trans-1,3-Dichloropropene	0.431	0.471	0.100	9.3	30.0
cis-1,3-Dichloropropene	0.579	0.636	0.200	9.8	30.0
1,1,2-Trichloroethane	0.253	0.256	0.100	1.2	30.0
2-Hexanone	0.080	0.087		8.8	
Dibromochloromethane	0.410	0.417	0.100	1.7	30.0
1,2-Dibromoethane	0.312	0.315	0.100	1.0	30.0
Tetrachloroethene	0.587	0.505	0.100	-14.0	30.0
Chlorobenzene	1.032	1.049	0.500	1.6	30.0
Ethylbenzene	1.994	2.031		1.9	30.0
m&p-xylenes	0.734	0.726		-1.1	30.0
o-xylene	0.670	0.687		2.5	30.0
Styrene	1.044	1.066	0.300	2.1	30.0
Bromoform	0.484	0.444	0.050	-8.3	30.0
Isopropylbenzene	2.153	2.229		3.5	

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Instrument ID: MSVOAF Calibration Date/Time: 5/8/2007 12:44

Lab File ID: VF006822.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF005	MIN RRF	%D	MAX%D
1,1,2,2-Tetrachloroethane	0.314	0.327	0.100	4.1	30.0
1,3-Dichlorobenzene	1.612	1.653	0.400	2.5	30.0
1,4-Dichlorobenzene	1.642	1.689	0.400	2.9	30.0
1,2-Dichlorobenzene	1.358	1.366	0.400	0.6	30.0
1,2-Dibromo-3-chloropropane	0.098	0.105		7.1	
1,2,4-trichlorobenzene	0.975	0.982		0.7	30.0
1,2,3-Trichlorobenzene	0.778	0.817	0.200	5.0	30.0
1,4-Difluorobenzene	1.000	1.000		0.0	30.0
Chlorobenzene-d5	1.000	1.000		0.0	30.0
1,4-Dichlorobenzene-d4	1.000	1.000		0.0	30.0
Vinyl Chloride-d3	0.283	0.276		-2.5	
Chloroethane-d5	0.220	0.235		6.8	
1,1-Dichloroethene-d2	0.698	0.754		8.0	
2-Butanone-d5	0.026	0.032		23.1	
Chloroform-d	0.656	0.747		13.9	
1,2-Dichloroethane-d4	0.235	0.254		8.1	30.0
Benzene-d6	1.255	1.369		9.1	
1,2-Dichloropropane-d6	0.470	0.508		8.1	
trans-1,3-Dichloropropene-d4	0.107	0.112		4.7	
Toluene-d8	1.318	1.357		3.0	30.0
2-Hexanone-d5	0.042	0.046		9.5	
1,1,2,2-Tetrachloroethane-d2	0.306	0.329		7.5	
Bromoform-d	0.369	0.447		21.1	
1,2-Dichlorobenzene-d4	0.898	0.880		-2.0	

All other compounds must meet a minimum RRF of 0.010.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

22

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006847.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

22

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006847.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

22

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-01

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006847.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/9/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006834.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006834.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

OS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-04

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006834.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-05

Sample Wt/vol: 25.0 (g/mL) ml Lab File ID: VF006835.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-05

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006835.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/8/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-05

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006835.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/8/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006846.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.68	
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.37	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	2.4	
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006846.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.35	J
126777-61-2	m&p-xylenes	0.90	
95-47-6	o-xylene	0.37	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.3	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006846.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/9/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-4

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006844.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	2.5	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-4

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-07

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006844.D

Level (low/med): Date Received: 4/26/07

% Moisture: not dec. 100 Date Analyzed: 5/9/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-4

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-07

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: VF006844.D

Level (low/med): Date Received: 4/26/2007

% Moisture: not dec. 100 Date Analyzed: 5/9/2007

GC Column: RTX624 ID: 0.53 Dilution Factor: 1.0

Soil Extract Volume: Soil Aliquot Volume:

Number TICS found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Chemtech

Surrogate Summary
SW-846

G No.: Y2486
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSF0508W1	VLCS02	Vinyl Chloride-d3	5	4.87	97		49.00	138.00
		Chloroethane-d5	5	4.91	98		60.00	126.00
		1,1-Dichloroethene-d2	5	4.68	94		65.00	130.00
		2-Butanone-d5	25	25.66	103		42.00	171.00
		Chloroform-d	5	4.79	96		80.00	123.00
		1,2-Dichloroethane-d4	5	4.78	96		78.00	129.00
		Benzene-d6	5	4.77	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.89	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.6	92		80.00	128.00
		Toluene-d8	5	4.82	96		77.00	120.00
		2-Hexanone-d5	25	24.31	97		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.87	97		75.00	131.00
		Bromoform-d	5	1.12	22	*	76.00	135.00
		1,2-Dichlorobenzene-d4	5	5.07	101		50.00	150.00
BSF0509W1	VLCS03	Vinyl Chloride-d3	5	5.34	107		49.00	138.00
		Chloroethane-d5	5	5	100		60.00	126.00
		1,1-Dichloroethene-d2	5	5.37	107		65.00	130.00
		2-Butanone-d5	25	33.17	133		42.00	171.00
		Chloroform-d	5	5.09	102		80.00	123.00
		1,2-Dichloroethane-d4	5	5.48	110		78.00	129.00
		Benzene-d6	5	4.36	87		78.00	121.00
		1,2-Dichloropropane-d6	5	4.76	95		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.66	93		80.00	128.00
		Toluene-d8	5	4.71	94		77.00	120.00
		2-Hexanone-d5	25	28.94	116		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	5.83	117		75.00	131.00
		Bromoform-d	5	4.23	85		76.00	135.00
		1,2-Dichlorobenzene-d4	5	5.08	102		50.00	150.00
VBF0508W2	VBLK02	Vinyl Chloride-d3	5	5.03	101		49.00	138.00
		Chloroethane-d5	5	5.09	102		60.00	126.00
		1,1-Dichloroethene-d2	5	3.74	75		65.00	130.00
		2-Butanone-d5	25	23.52	94		42.00	171.00
		Chloroform-d	5	4.59	92		80.00	123.00
		1,2-Dichloroethane-d4	5	4.88	98		78.00	129.00
		Benzene-d6	5	4.77	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.96	99		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.62	92		80.00	128.00
		Toluene-d8	5	4.9	98		77.00	120.00
		2-Hexanone-d5	25	24.89	100		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.93	99		75.00	131.00
		Bromoform-d	5	4.85	97		76.00	135.00
		1,2-Dichlorobenzene-d4	5	5.17	103		50.00	150.00

Chemtech

Surrogate Summary
SW-846

G No.: Y2486
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
VBF0509W2	VBLK03	Vinyl Chloride-d3	5	5.07	101		49.00	138.0
		Chloroethane-d5	5	5.09	102		60.00	126.0
		1,1-Dichloroethene-d2	5	3.74	75		65.00	130.0
		2-Butanone-d5	25	27.92	112		42.00	171.0
		Chloroform-d	5	4.52	90		80.00	123.0
		1,2-Dichloroethane-d4	5	5.27	105		78.00	129.0
		Benzene-d6	5	4.72	94		78.00	121.0
		1,2-Dichloropropane-d6	5	5.03	101		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.63	93		80.00	128.0
		Toluene-d8	5	4.92	98		77.00	120.0
		2-Hexanone-d5	25	24.7	99		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.03	101		75.00	131.0
		Bromoform-d	5	4.77	95		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.96	99		50.00	150.0
Y2443-03	STORAGEBLANK	Vinyl Chloride-d3	5	5.56	111		49.00	138.0
		Chloroethane-d5	5	5.79	116		60.00	126.0
		1,1-Dichloroethene-d2	5	4.17	83		65.00	130.0
		2-Butanone-d5	25	34.41	138		42.00	171.0
		Chloroform-d	5	4.94	99		80.00	123.0
		1,2-Dichloroethane-d4	5	5.64	113		78.00	129.0
		Benzene-d6	5	5.08	102		78.00	121.0
		1,2-Dichloropropane-d6	5	5.34	107		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	5.09	102		80.00	128.0
		Toluene-d8	5	5.21	104		77.00	120.0
		2-Hexanone-d5	25	30.66	123		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.93	119		75.00	131.0
		Bromoform-d	5	4.31	86		76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.24	105		50.00	150.0
Y2486-01	22	Vinyl Chloride-d3	5	4.92	98		49.00	138.0
		Chloroethane-d5	5	5	100		60.00	126.0
		1,1-Dichloroethene-d2	5	3.86	77		65.00	130.0
		2-Butanone-d5	25	29.29	117		42.00	171.0
		Chloroform-d	5	4.36	87		80.00	123.0
		1,2-Dichloroethane-d4	5	5.6	112		78.00	129.0
		Benzene-d6	5	4.44	89		78.00	121.0
		1,2-Dichloropropane-d6	5	4.86	97		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.69	94		80.00	128.0
		Toluene-d8	5	4.64	93		77.00	120.0
		2-Hexanone-d5	25	25.64	103		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.25	105		75.00	131.0
		Bromoform-d	5	4.61	92		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.83	97		50.00	150.0

Chemtech

Surrogate Summary
SW-846

OG No.: Y2486
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2486-02MS	22MS	Vinyl Chloride-d3	5	4.66	93		49.00	138.0
		Chloroethane-d5	5	4.84	97		60.00	126.0
		1,1-Dichloroethene-d2	5	4.95	99		65.00	130.0
		2-Butanone-d5	25	29.41	118		42.00	171.0
		Chloroform-d	5	4.66	93		80.00	123.0
		1,2-Dichloroethane-d4	5	5.65	113		78.00	129.0
		Benzene-d6	5	4.38	88		78.00	121.0
		1,2-Dichloropropane-d6	5	4.57	91		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.67	93		80.00	128.0
		Toluene-d8	5	4.64	93		77.00	120.0
		2-Hexanone-d5	25	26.44	106		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.43	109		75.00	131.0
		Bromoform-d	5	5.05	101		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.85	97		50.00	150.0
Y2486-03MSD	22MSD	Vinyl Chloride-d3	5	4.81	96		49.00	138.0
		Chloroethane-d5	5	4.8	96		60.00	126.0
		1,1-Dichloroethene-d2	5	4.88	98		65.00	130.0
		2-Butanone-d5	25	30.12	120		42.00	171.0
		Chloroform-d	5	4.14	83		80.00	123.0
		1,2-Dichloroethane-d4	5	5.32	106		78.00	129.0
		Benzene-d6	5	4.51	90		78.00	121.0
		1,2-Dichloropropane-d6	5	5	100		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.77	95		80.00	128.0
		Toluene-d8	5	4.78	96		77.00	120.0
		2-Hexanone-d5	25	27.37	109		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.67	113		75.00	131.0
		Bromoform-d	5	5.02	100		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.98	100		50.00	150.0
Y2486-04	OS	Vinyl Chloride-d3	5	5.18	104		49.00	138.0
		Chloroethane-d5	5	5.1	102		60.00	126.0
		1,1-Dichloroethene-d2	5	3.75	75		65.00	130.0
		2-Butanone-d5	25	25.46	102		42.00	171.0
		Chloroform-d	5	4.29	86		80.00	123.0
		1,2-Dichloroethane-d4	5	5.18	104		78.00	129.0
		Benzene-d6	5	4.5	90		78.00	121.0
		1,2-Dichloropropane-d6	5	4.84	97		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.73	95		80.00	128.0
		Toluene-d8	5	4.81	96		77.00	120.0
		2-Hexanone-d5	25	24.14	97		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	4.78	96		75.00	131.0
		Bromoform-d	5	4.72	94		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.91	98		50.00	150.0

Chemtech

Surrogate Summary
SW-846

DG No.: Y2486
Client: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2486-05	SS	Vinyl Chloride-d3	5	4.87	97		49.00	138.0
		Chloroethane-d5	5	5.06	101		60.00	126.0
		1,1-Dichloroethene-d2	5	3.67	73		65.00	130.0
		2-Butanone-d5	25	26.35	105		42.00	171.0
		Chloroform-d	5	4.62	92		80.00	123.0
		1,2-Dichloroethane-d4	5	5.12	102		78.00	129.0
		Benzene-d6	5	4.74	95		78.00	121.0
		1,2-Dichloropropane-d6	5	5.07	101		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	4.99	100		80.00	128.0
		Toluene-d8	5	4.91	98		77.00	120.0
		2-Hexanone-d5	25	25.52	102		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.06	101		75.00	131.0
		Bromoform-d	5	4.7	94		76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.03	101		50.00	150.0
Y2486-06	SD	Vinyl Chloride-d3	5	4.9	98		49.00	138.0
		Chloroethane-d5	5	4.85	97		60.00	126.0
		1,1-Dichloroethene-d2	5	3.76	75		65.00	130.0
		2-Butanone-d5	25	37.7	151		42.00	171.0
		Chloroform-d	5	4.62	92		80.00	123.0
		1,2-Dichloroethane-d4	5	6.3	126		78.00	129.0
		Benzene-d6	5	4.51	90		78.00	121.0
		1,2-Dichloropropane-d6	5	5.15	103		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	5.43	109		80.00	128.0
		Toluene-d8	5	4.74	95		77.00	120.0
		2-Hexanone-d5	25	34.15	137		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	6.34	127		75.00	131.0
		Bromoform-d	5	5.43	109		76.00	135.0
		1,2-Dichlorobenzene-d4	5	4.98	100		50.00	150.0
Y2486-07	TB-4	Vinyl Chloride-d3	5	4.96	99		49.00	138.0
		Chloroethane-d5	5	4.99	100		60.00	126.0
		1,1-Dichloroethene-d2	5	3.86	77		65.00	130.0
		2-Butanone-d5	25	27.52	110		42.00	171.0
		Chloroform-d	5	4.53	91		80.00	123.0
		1,2-Dichloroethane-d4	5	5.45	109		78.00	129.0
		Benzene-d6	5	4.68	94		78.00	121.0
		1,2-Dichloropropane-d6	5	5.02	100		84.00	123.0
		trans-1,3-Dichloropropene-d4	5	5.04	101		80.00	128.0
		Toluene-d8	5	4.82	96		77.00	120.0
		2-Hexanone-d5	25	26.38	106		37.00	169.0
		1,1,2,2-Tetrachloroethane-d2	5	5.22	104		75.00	131.0
		Bromoform-d	5	4.91	98		76.00	135.0
		1,2-Dichlorobenzene-d4	5	5.14	103		50.00	150.0

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix Spike - EPA Sample No: 22

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0	0	4.9	98	(70-130
Chloromethane	5.0	0	5.1	102	(70-130
Vinyl chloride	5.0	0	4.7	94	(70-130
Bromomethane	5.0	0	4.7	94	(70-130
Chloroethane	5.0	0	5.1	102	(70-130
Trichlorofluoromethane	5.0	0	5.0	100	(70-130
1,1,2-Trichlorotrifluo	5.0	0	5.1	102	(70-130
1,1-Dichloroethene	5.0	0	5.1	102	(70-130
Acetone	25	0	26	104	(70-130
Carbon disulfide	5.0	0	4.9	98	(70-130
Methyl tert-butyl Ethe	5.0	0	5.7	114	(70-130
Methyl Acetate	5.0	0	5.3	106	(70-130
Methylene chloride	5.0	0	5.3	106	(70-130
trans-1,2-Dichloroethe	5.0	0	5.0	100	(70-130
1,1-Dichloroethane	5.0	0	5.2	104	(70-130
Cyclohexane	5.0	0	4.5	90	(70-130
2-Butanone	25	0	27	108	(70-130
Carbon tetrachloride	5.0	0	4.9	98	(70-130
cis-1,2-Dichloroethene	5.0	0	5.1	102	(70-130
Bromochloromethane	5.0	0	5.0	100	(70-130
Chloroform	5.0	0	5.1	102	(70-130
1,1,1-Trichloroethane	5.0	0	4.8	96	(70-130
Methylcyclohexane	5.0	0	4.4	88	(70-130
Benzene	5.0	0	4.5	90	(70-130
1,2-Dichloroethane	5.0	0	5.4	108	(70-130
Trichloroethene	5.0	0	4.7	94	(70-130
1,2-Dichloropropane	5.0	0	4.7	94	(70-130
Bromodichloromethane	5.0	0	5.1	102	(70-130
4-Methyl-2-pentanone	25	0	26	104	(70-130
Toluene	5.0	0	4.8	96	(70-130
trans-1,3-Dichloroprop	5.0	0	5.0	100	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix Spike - EPA Sample No: 22

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMIT REC
cis-1,3-Dichloropropen	5.0	0	4.9	98	(70-130
1,1,2-Trichloroethane	5.0	0	5.2	104	(70-130
2-Hexanone	25	0	26	104	(70-130
Dibromochloromethane	5.0	0	5.1	102	(70-130
1,2-Dibromoethane	5.0	0	5.1	102	(70-130
Tetrachloroethene	5.0	0	4.8	96	(70-130
Chlorobenzene	5.0	0	5.1	102	(70-130
Ethylbenzene	5.0	0	4.8	96	(70-130
m&p-xylenes	10	0	10	100	(70-130
o-xylene	5.0	0	5.1	102	(70-130
Styrene	5.0	0	5.0	100	(70-130
Bromoform	5.0	0	4.9	98	(70-130
Isopropylbenzene	5.0	0	5.0	100	(70-130
1,1,2,2-Tetrachloroeth	5.0	0	5.4	108	(70-130
1,3-Dichlorobenzene	5.0	0	4.9	98	(70-130
1,4-Dichlorobenzene	5.0	0	4.5	90	(70-130
1,2-Dichlorobenzene	5.0	0	4.9	98	(70-130
1,2-Dibromo-3-chloropr	5.0	0	5.6	112	(70-130
1,2,4-trichlorobenzene	5.0	0	5.2	104	(70-130
1,2,3-Trichlorobenzene	5.0	0	5.4	108	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix Spike - EPA Sample No: 22

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMITS RPD	QC LIMITS REC
Dichlorodifluoromethan	5.0	4.9	98	0	20	(70-130
Chloromethane	5.0	5.0	100	2	20	(70-130
Vinyl chloride	5.0	4.7	94	0	20	(70-130
Bromomethane	5.0	5.3	106	12	20	(70-130
Chloroethane	5.0	5.0	100	2	20	(70-130
Trichlorofluoromethane	5.0	4.8	96	4	20	(70-130
1,1,2-Trichlorotrifluo	5.0	5.0	100	2	20	(70-130
1,1-Dichloroethene	5.0	5.1	102	0	20	(70-130
Acetone	25	27	108	4	20	(70-130
Carbon disulfide	5.0	4.9	98	0	20	(70-130
Methyl tert-butyl Ethe	5.0	6.0	120	5	20	(70-130
Methyl Acetate	5.0	4.9	98	8	20	(70-130
Methylene chloride	5.0	5.5	110	4	20	(70-130
trans-1,2-Dichloroethe	5.0	5.1	102	2	20	(70-130
1,1-Dichloroethane	5.0	5.0	100	4	20	(70-130
Cyclohexane	5.0	4.4	88	2	20	(70-130
2-Butanone	25	28	112	4	20	(70-130
Carbon tetrachloride	5.0	4.7	94	4	20	(70-130
cis-1,2-Dichloroethene	5.0	5.2	104	2	20	(70-130
Bromochloromethane	5.0	5.1	102	2	20	(70-130
Chloroform	5.0	4.7	94	8	20	(70-130
1,1,1-Trichloroethane	5.0	4.5	90	6	20	(70-130
Methylcyclohexane	5.0	4.5	90	2	20	(70-130
Benzene	5.0	4.6	92	2	20	(70-130
1,2-Dichloroethane	5.0	5.1	102	6	20	(70-130
Trichloroethene	5.0	4.7	94	0	20	(70-130
1,2-Dichloropropane	5.0	4.7	94	0	20	(70-130
Bromodichloromethane	5.0	5.0	100	2	20	(70-130
4-Methyl-2-pentanone	25	28	112	7	20	(70-130
Toluene	5.0	4.6	92	4	20	(70-130
trans-1,3-Dichloroprop	5.0	5.1	102	2	20	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 51 outside limits

Spike Recovery: 0 out of 102 outside limits

Comments:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Matrix Spike - EPA Sample No: 22

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMITS RPD	QC LIMITS REC
cis-1,3-Dichloropropen	5.0	4.9	98	0	20	(70-130
1,1,2-Trichloroethane	5.0	5.3	106	2	20	(70-130
2-Hexanone	25	28	112	7	20	(70-130
Dibromochloromethane	5.0	5.1	102	0	20	(70-130
1,2-Dibromoethane	5.0	5.3	106	4	20	(70-130
Tetrachloroethene	5.0	4.9	98	2	20	(70-130
Chlorobenzene	5.0	5.1	102	0	20	(70-130
Ethylbenzene	5.0	4.8	96	0	20	(70-130
m&p-xylenes	10	10	100	0	20	(70-130
o-xylene	5.0	4.9	98	4	20	(70-130
Styrene	5.0	4.9	98	2	20	(70-130
Bromoform	5.0	5.5	110	12	20	(70-130
Isopropylbenzene	5.0	4.9	98	2	20	(70-130
1,1,2,2-Tetrachloroeth	5.0	5.7	114	5	20	(70-130
1,3-Dichlorobenzene	5.0	4.8	96	2	20	(70-130
1,4-Dichlorobenzene	5.0	4.8	96	6	20	(70-130
1,2-Dichlorobenzene	5.0	4.9	98	0	20	(70-130
1,2-Dibromo-3-chloropr	5.0	5.6	112	0	20	(70-130
1,2,4-trichlorobenzene	5.0	5.4	108	4	20	(70-130
1,2,3-Trichlorobenzene	5.0	5.4	108	0	20	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 51 outside limits

Spike Recovery: 0 out of 102 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Laboratory Control Spike - EPA Sample No: VLCS02

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0		4.7	94	(70-130
Chloromethane	5.0		5.1	102	(70-130
Vinyl chloride	5.0		4.9	98	(70-130
Bromomethane	5.0		5.5	110	(70-130
Chloroethane	5.0		5.0	100	(70-130
Trichlorofluoromethane	5.0		4.6	92	(70-130
1,1,2-Trichlorotrifluo	5.0		5.2	104	(70-130
1,1-Dichloroethene	5.0		5.2	104	(70-130
Acetone	25		28	112	(70-130
Carbon disulfide	5.0		5.2	104	(70-130
Methyl tert-butyl Ethe	5.0		5.3	106	(70-130
Methyl Acetate	5.0		6.3	126	(70-130
Methylene chloride	5.0		5.2	104	(70-130
trans-1,2-Dichloroethe	5.0		5.2	104	(70-130
1,1-Dichloroethane	5.0		5.1	102	(70-130
Cyclohexane	5.0		5.0	100	(70-130
2-Butanone	25		26	104	(70-130
Carbon tetrachloride	5.0		4.7	94	(70-130
cis-1,2-Dichloroethene	5.0		5.4	108	(70-130
Bromochloromethane	5.0		4.7	94	(70-130
Chloroform	5.0		5.1	102	(70-130
1,1,1-Trichloroethane	5.0		4.8	96	(70-130
Methylcyclohexane	5.0		4.9	98	(70-130
Benzene	5.0		5.0	100	(70-130
1,2-Dichloroethane	5.0		4.8	96	(70-130
Trichloroethene	5.0		5.1	102	(70-130
1,2-Dichloropropane	5.0		4.9	98	(70-130
Bromodichloromethane	5.0		4.9	98	(70-130
4-Methyl-2-pentanone	25		26	104	(70-130
Toluene	5.0		5.0	100	(70-130
trans-1,3-Dichloroprop	5.0		4.9	98	(70-130
cis-1,3-Dichloropropen	5.0		4.7	94	(70-130
1,1,2-Trichloroethane	5.0		5.3	106	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Laboratory Control Spike - EPA Sample No: VLCS02

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
2-Hexanone	25		27	108	(70-130
Dibromochloromethane	5.0		5.1	102	(70-130
1,2-Dibromoethane	5.0		5.2	104	(70-130
Tetrachloroethene	5.0		8.0	160*	(70-130
Chlorobenzene	5.0		5.1	102	(70-130
Ethylbenzene	5.0		5.0	100	(70-130
m&p-xylenes	10		10	100	(70-130
o-xylene	5.0		5.1	102	(70-130
Styrene	5.0		5.1	102	(70-130
Bromoform	5.0		8.1	162*	(70-130
Isopropylbenzene	5.0		5.1	102	(70-130
1,1,2,2-Tetrachloroeth	5.0		4.9	98	(70-130
1,3-Dichlorobenzene	5.0		5.0	100	(70-130
1,4-Dichlorobenzene	5.0		4.9	98	(70-130
1,2-Dichlorobenzene	5.0		5.2	104	(70-130
1,2-Dibromo-3-chloropr	5.0		5.3	106	(70-130
1,2,4-trichlorobenzene	5.0		5.5	110	(70-130
1,2,3-Trichlorobenzene	5.0		5.1	102	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Laboratory Control Spike - EPA Sample No: VLCS03

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0		5.0	100	(70-130
Chloromethane	5.0		5.5	110	(70-130
Vinyl chloride	5.0		5.2	104	(70-130
Bromomethane	5.0		5.2	104	(70-130
Chloroethane	5.0		5.6	112	(70-130
Trichlorofluoromethane	5.0		5.1	102	(70-130
1,1,2-Trichlorotrifluo	5.0		5.6	112	(70-130
1,1-Dichloroethene	5.0		5.8	116	(70-130
Acetone	25		30	120	(70-130
Carbon disulfide	5.0		5.3	106	(70-130
Methyl tert-butyl Ethe	5.0		6.3	126	(70-130
Methyl Acetate	5.0		6.2	124	(70-130
Methylene chloride	5.0		6.0	120	(70-130
trans-1,2-Dichloroethe	5.0		5.5	110	(70-130
1,1-Dichloroethane	5.0		5.5	110	(70-130
Cyclohexane	5.0		4.5	90	(70-130
2-Butanone	25		33	132*	(70-130
Carbon tetrachloride	5.0		4.8	96	(70-130
cis-1,2-Dichloroethene	5.0		5.6	112	(70-130
Bromochloromethane	5.0		5.7	114	(70-130
Chloroform	5.0		5.6	112	(70-130
1,1,1-Trichloroethane	5.0		4.7	94	(70-130
Methylcyclohexane	5.0		4.2	84	(70-130
Benzene	5.0		4.2	84	(70-130
1,2-Dichloroethane	5.0		5.3	106	(70-130
Trichloroethene	5.0		4.5	90	(70-130
1,2-Dichloropropane	5.0		4.7	94	(70-130
Bromodichloromethane	5.0		4.8	96	(70-130
4-Methyl-2-pentanone	25		27	108	(70-130
Toluene	5.0		4.5	90	(70-130
trans-1,3-Dichloroprop	5.0		4.7	94	(70-130
cis-1,3-Dichloropropen	5.0		4.7	94	(70-130
1,1,2-Trichloroethane	5.0		5.4	108	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Laboratory Control Spike - EPA Sample No: VLCS03

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
2-Hexanone	25		28	112	(70-130
Dibromochloromethane	5.0		5.1	102	(70-130
1,2-Dibromoethane	5.0		5.4	108	(70-130
Tetrachloroethene	5.0		5.8	116	(70-130
Chlorobenzene	5.0		5.0	100	(70-130
Ethylbenzene	5.0		4.8	96	(70-130
m&p-xylenes	10		9.9	99	(70-130
o-xylene	5.0		4.8	96	(70-130
Styrene	5.0		4.9	98	(70-130
Bromoform	5.0		6.6	132*	(70-130
Isopropylbenzene	5.0		4.9	98	(70-130
1,1,2,2-Tetrachloroeth	5.0		5.5	110	(70-130
1,3-Dichlorobenzene	5.0		5.0	100	(70-130
1,4-Dichlorobenzene	5.0		4.7	94	(70-130
1,2-Dichlorobenzene	5.0		5.0	100	(70-130
1,2-Dibromo-3-chloropr	5.0		6.3	126	(70-130
1,2,4-trichlorobenzene	5.0		5.2	104	(70-130
1,2,3-Trichlorobenzene	5.0		6.0	120	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 51 outside limits

Comments:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK03

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG NO.: Y2486

Lab File ID: VF006843.D Lab Sample ID: VBF0509W2

Date Analyzed: 5/9/2007 Time Analyzed: 12:33

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
TB-4	Y2486-07	VF006844.D	13:11
SD	Y2486-06	VF006846.D	14:25
22	Y2486-01	VF006847.D	15:03
22MS	Y2486-02MS	VF006848.D	15:41
22MSD	Y2486-03MSD	VF006849.D	16:19
VLCS03	BSF0509W1	VF006850.D	16:57

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK02

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG NO.: Y2486

Lab File ID: VF006824.D Lab Sample ID: VBF0508W2

Date Analyzed: 5/8/2007 Time Analyzed: 13:57

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
OS	Y2486-04	VF006834.D	20:05
SS	Y2486-05	VF006835.D	20:42
VLCS02	BSF0508W1	VF006838.D	22:32

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG NO.: Y2486

Lab File ID: VF006723.D BFB Injection Date: 5/1/2007

Instrument ID: MSVOAF BFB Injection Time: 11:11

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.1
75	30.0 - 66.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.4(0.5) 1
174	50.0 - 120.0% of mass 95	69.1
175	4.0 - 9.0% of mass 174	4.9 (7.0) 1
176	93.0 - 101.0% of mass 174	67.4 (97.5) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTD0.50	0.5 PPB ICC	VF006724.D	5/1/2007	11:44
VSTD001	1 PPB ICC	VF006725.D	5/1/2007	12:22
VSTD005	5 PPB ICC	VF006726.D	5/1/2007	13:00
VSTD010	10 PPB ICC	VF006727.D	5/1/2007	13:37
VSTD025	25 PPB ICC	VF006728.D	5/1/2007	14:14

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG NO.: Y2486

Lab File ID: VF006840.D BFB Injection Date: 5/9/2007

Instrument ID: MSVOAF BFB Injection Time: 10:35

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.7
75	30.0 - 66.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0(0.0) 1
174	50.0 - 120.0% of mass 95	54.2
175	4.0 - 9.0% of mass 174	3.6 (6.6) 1
176	93.0 - 101.0% of mass 174	51.8 (95.5) 1
177	5.0 - 9.0% of mass 176	2.8 (5.3) 2

1-Value is % mass 174 2-Value is % mass 176

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 CCC	VF006841.D	5/9/2007	11:18
VBLK03	VBF0509W2	VF006843.D	5/9/2007	12:33
TB-4	Y2486-07	VF006844.D	5/9/2007	13:11
SD	Y2486-06	VF006846.D	5/9/2007	14:25
22	Y2486-01	VF006847.D	5/9/2007	15:03
22MS	Y2486-02MS	VF006848.D	5/9/2007	15:41
22MSD	Y2486-03MSD	VF006849.D	5/9/2007	16:19
VLCS03	BSF0509W1	VF006850.D	5/9/2007	16:57

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG NO.: Y2486

Lab File ID: VF006821.D BFB Injection Date: 5/8/2007

Instrument ID: MSVOAF BFB Injection Time: 12:09

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.4
75	30.0 - 66.0% of mass 95	44.4
95	Base Peak, 100% relative abundance	100.0
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 - 120.0% of mass 95	60.2
175	4.0 - 9.0% of mass 174	3.5 (5.8) 1
176	93.0 - 101.0% of mass 174	58.9 (97.7) 1
177	5.0 - 9.0% of mass 176	3.3 (5.6 2

1-Value is % mass 174 2-Value is % mass 176

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 CCC	VF006822.D	5/8/2007	12:44
VBLK02	VBF0508W2	VF006824.D	5/8/2007	13:57
OS	Y2486-04	VF006834.D	5/8/2007	20:05
SS	Y2486-05	VF006835.D	5/8/2007	20:42
VLCS02	BSF0508W1	VF006838.D	5/8/2007	22:32

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Lab File ID: VF006841.D Date Analyzed: 5/9/2007

Instrument ID: MSVOAF Time Analyzed: 11:18

GC Column: RTX624 ID: 0.5 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2502567	8.43	1839302	14.34	1004951	19.64
UPPER LIMIT	3503594	8.76	2575023	14.67	1406931	19.97
LOWER LIMIT	1501540	8.10	1103581	14.01	602971	19.31
SAMPLE NO.						
VBLK03	2290020	8.45	1779422	14.36	951035	19.66
TB-4	2268396	8.46	1776398	14.37	970657	19.66
SD	2221099	8.47	1810790	14.37	1019500	19.67
22	2203622	8.47	1760840	14.37	961602	19.66
22MS	2235668	8.47	1811069	14.38	1046863	19.68
22MSD	2433854	8.47	1904342	14.39	1102403	19.69
VLCS03	2239782	8.46	1875063	14.38	1051649	19.68

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Lab File ID: VF006822.D Date Analyzed: 5/8/2007

Instrument ID: MSVOAF Time Analyzed: 12:44

GC Column: RTX624 ID: 0.5 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	2423828	8.44	1819908	14.35	984219	19.64
UPPER LIMIT	3393359	8.77	2547871	14.68	1377907	19.97
LOWER LIMIT	1454297	8.11	1091945	14.02	590531	19.31
SAMPLE NO.						
VBLK02	2344874	8.45	1834010	14.35	984980	19.65
OS	2198099	8.47	1772950	14.36	946733	19.66
SS	2244698	8.46	1746885	14.38	976569	19.66
VLCS02	2479821	8.46	1928615	14.36	1066438	19.65

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID: MSVOAF Calibration Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

LAB FILE ID: RRF0.50 = VF006724.D RRF001 = VF006725.D

RRF005 = VF006726.D RRF010 = VF006727.D RRF025 = VF006728.D

COMPOUND	RRF0.50	RRF001	RRF005	RRF010	RRF025	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.462	0.503	0.515	0.491	0.474	0.489	4.4
Chloromethane *	0.344	0.302	0.250	0.237	0.227	0.272	18.2
Vinyl chloride *	0.246	0.264	0.273	0.264	0.249	0.259	4.4
Bromomethane	0.229	0.202	0.193	0.211	0.221	0.211	6.8
Chloroethane	0.148	0.149	0.157	0.140	0.115	0.142	11.4
Trichlorofluoromethane	0.717	0.794	0.801	0.765	0.750	0.765	4.5
1,1,2-Trichlorotrifluor	0.679	0.626	0.663	0.606	0.597	0.634	5.6
1,1-Dichloroethene *	0.332	0.303	0.296	0.282	0.270	0.297	7.9
Acetone	0.024	0.022	0.015	0.014	0.014	0.018	26.8
Carbon disulfide	0.897	0.849	0.819	0.789	0.772	0.825	6.0
Methyl tert-butyl Ether	0.541	0.487	0.475	0.401	0.405	0.462	12.8
Methyl Acetate	0.159	0.117	0.116	0.117	0.103	0.122	17.5
Methylene chloride	0.274	0.263	0.244	0.237	0.231	0.250	7.2
trans-1,2-Dichloroethen	0.360	0.294	0.325	0.309	0.309	0.319	7.9
1,1-Dichloroethane *	0.538	0.518	0.533	0.520	0.502	0.522	2.7
Cyclohexane	0.581	0.543	0.529	0.565	0.557	0.555	3.6
2-Butanone	0.085	0.056	0.047	0.040	0.041	0.054	34.4
Carbon tetrachloride *	0.826	0.696	0.795	0.746	0.751	0.763	6.5
cis-1,2-Dichloroethene	0.316	0.278	0.303	0.279	0.281	0.291	5.9
Bromochloromethane	0.149	0.110	0.125	0.119	0.118	0.124	12.0
Chloroform *	0.719	0.654	0.634	0.609	0.597	0.643	7.5
1,1,1-Trichloroethane *	1.151	0.977	0.909	0.837	0.834	0.942	13.9
Methylcyclohexane	0.839	0.675	0.740	0.721	0.733	0.742	8.1
Benzene *	1.287	1.184	1.201	1.115	1.112	1.180	6.1
1,2-Dichloroethane *	0.238	0.232	0.253	0.233	0.244	0.240	3.6
Trichloroethene *	0.629	0.519	0.553	0.528	0.524	0.551	8.3
1,2-Dichloropropane *	0.388	0.356	0.375	0.350	0.356	0.365	4.4
Bromodichloromethane *	0.719	0.607	0.665	0.640	0.642	0.655	6.3
4-Methyl-2-pentanone	0.137	0.119	0.126	0.116	0.109	0.121	8.8
Toluene *	1.735	1.511	1.514	1.392	1.347	1.500	10.0
trans-1,3-Dichloroprope*	0.451	0.408	0.445	0.426	0.423	0.431	4.0
cis-1,3-Dichloropropene*	0.620	0.567	0.591	0.564	0.555	0.579	4.5
1,1,2-Trichloroethane *	0.280	0.252	0.260	0.241	0.233	0.253	7.2
2-Hexanone	0.076	0.079	0.087	0.081	0.076	0.080	5.7
Dibromochloromethane *	0.401	0.397	0.439	0.405	0.406	0.410	4.1
1,2-Dibromoethane	0.317	0.305	0.321	0.311	0.307	0.312	2.2
Tetrachloroethene *	0.628	0.619	0.594	0.566	0.528	0.587	7.0
Chlorobenzene *	1.124	1.014	1.056	1.006	0.959	1.032	6.0
Ethylbenzene *	2.357	2.009	1.965	1.859	1.782	1.994	11.1
m&p-xylenes	0.858	0.730	0.737	0.677	0.669	0.734	10.3
o-xylene *	0.767	0.637	0.672	0.647	0.628	0.670	8.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID: MSVOAF Calibration Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

LAB FILE ID: RRF0.50 = VF006724.D RRF001 = VF006725.D

RRF005 = VF006726.D RRF010 = VF006727.D RRF025 = VF006728.D

COMPOUND	RRF0.50	RRF001	RRF005	RRF010	RRF025	$\overline{RRF}$	% RSD
Styrene *	1.110	1.009	1.077	1.027	0.995	1.044	4.6
Bromoform *	0.434	0.496	0.480	0.490	0.519	0.484	6.5
Isopropylbenzene	2.319	2.113	2.222	2.106	2.005	2.153	5.6
1,1,2,2-Tetrachloroetha*	0.336	0.317	0.329	0.299	0.290	0.314	6.2
1,3-Dichlorobenzene *	1.696	1.605	1.655	1.531	1.574	1.612	4.0
1,4-Dichlorobenzene *	1.743	1.675	1.658	1.533	1.601	1.642	4.8
1,2-Dichlorobenzene *	1.418	1.354	1.403	1.283	1.333	1.358	4.0
1,2-Dibromo-3-chloropro	0.075	0.098	0.105	0.101	0.113	0.098	14.5
1,2,4-trichlorobenzene *	0.876	0.969	1.000	0.981	1.048	0.975	6.5
1,2,3-Trichlorobenzene	0.684	0.767	0.825	0.779	0.834	0.778	7.7
1,4-Difluorobenzene	1.000	1.000	1.000	1.000	1.000	1.000	0.0
Chlorobenzene-d5	1.000	1.000	1.000	1.000	1.000	1.000	0.0
1,4-Dichlorobenzene-d4	1.000	1.000	1.000	1.000	1.000	1.000	0.0
Vinyl Chloride-d3	0.283	0.281	0.292	0.288	0.273	0.283	2.6
Chloroethane-d5	0.235	0.240	0.230	0.217	0.178	0.220	11.4
1,1-Dichloroethene-d2	0.703	0.705	0.723	0.702	0.657	0.698	3.5
2-Butanone-d5 *	0.022	0.027	0.028	0.025	0.027	0.026	9.2
Chloroform-d	0.617	0.620	0.673	0.651	0.718	0.656	6.4
1,2-Dichloroethane-d4	0.224	0.228	0.245	0.242	0.236	0.235	3.8
Benzene-d6	1.247	1.245	1.281	1.261	1.239	1.255	1.3
1,2-Dichloropropane-d6	0.478	0.468	0.472	0.458	0.476	0.470	1.7
trans-1,3-Dichloroprope	0.119	0.098	0.104	0.104	0.109	0.107	7.3
Toluene-d8	1.318	1.306	1.343	1.328	1.295	1.318	1.4
2-Hexanone-d5	0.039	0.045	0.043	0.042	0.040	0.042	5.7
1,1,2,2-Tetrachloroetha	0.272	0.296	0.338	0.319	0.304	0.306	8.1
Bromoform-d	0.277	0.336	0.412	0.387	0.433	0.369	17.0
1,2-Dichlorobenzene-d4	0.914	0.888	0.891	0.876	0.919	0.898	2.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID: MSVOAF Calibration Date/Time: 5/8/2007 12:44

Lab File ID: VF006822.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.489	0.549		12.3	
Chloromethane	0.272	0.272		0.0	
Vinyl chloride	0.259	0.294	0.100	13.5	30.0
Bromomethane	0.211	0.215	0.100	1.9	30.0
Chloroethane	0.142	0.161		13.4	
Trichlorofluoromethane	0.765	0.879		14.9	
1,1,2-Trichlorotrifluoroethane	0.634	0.683		7.7	
1,1-Dichloroethene	0.297	0.299	0.100	0.7	30.0
Acetone	0.018	0.018		0.0	
Carbon disulfide	0.825	0.863		4.6	
Methyl tert-butyl Ether	0.462	0.467		1.1	
Methyl Acetate	0.122	0.129		5.7	
Methylene chloride	0.250	0.263		5.2	
trans-1,2-Dichloroethene	0.319	0.336		5.3	
1,1-Dichloroethane	0.522	0.584	0.200	11.9	30.0
Cyclohexane	0.555	0.650		17.1	
2-Butanone	0.054	0.052		-3.7	
Carbon tetrachloride	0.763	0.884	0.100	15.9	30.0
cis-1,2-Dichloroethene	0.291	0.296		1.7	
Bromochloromethane	0.124	0.124	0.050	0.0	30.0
Chloroform	0.643	0.669	0.200	4.0	30.0
1,1,1-Trichloroethane	0.942	0.981	0.100	4.1	30.0
Methylcyclohexane	0.742	0.803		8.2	
Benzene	1.180	1.295	0.400	9.7	30.0
1,2-Dichloroethane	0.240	0.282	0.100	17.5	30.0
Trichloroethene	0.551	0.585	0.300	6.2	30.0
1,2-Dichloropropane	0.365	0.414		13.4	30.0
Bromodichloromethane	0.655	0.707	0.200	7.9	30.0
4-Methyl-2-pentanone	0.121	0.134		10.7	
Toluene	1.500	1.547	0.400	3.1	30.0
trans-1,3-Dichloropropene	0.431	0.471	0.100	9.3	30.0
cis-1,3-Dichloropropene	0.579	0.636	0.200	9.8	30.0
1,1,2-Trichloroethane	0.253	0.256	0.100	1.2	30.0
2-Hexanone	0.080	0.087		8.8	
Dibromochloromethane	0.410	0.417	0.100	1.7	30.0
1,2-Dibromoethane	0.312	0.315	0.100	1.0	30.0
Tetrachloroethene	0.587	0.505	0.100	-14.0	30.0
Chlorobenzene	1.032	1.049	0.500	1.6	30.0
Ethylbenzene	1.994	2.031		1.9	30.0
m&p-xylenes	0.734	0.726		-1.1	30.0
o-xylene	0.670	0.687		2.5	30.0
Styrene	1.044	1.066	0.300	2.1	30.0
Bromoform	0.484	0.444	0.050	-8.3	30.0
Isopropylbenzene	2.153	2.229		3.5	

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID: MSVOAF Calibration Date/Time: 5/8/2007 12:44

Lab File ID: VF006822.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF005	MIN RRF	%D	MAX%D
1,1,2,2-Tetrachloroethane	0.314	0.327	0.100	4.1	30.0
1,3-Dichlorobenzene	1.612	1.653	0.400	2.5	30.0
1,4-Dichlorobenzene	1.642	1.689	0.400	2.9	30.0
1,2-Dichlorobenzene	1.358	1.366	0.400	0.6	30.0
1,2-Dibromo-3-chloropropane	0.098	0.105		7.1	
1,2,4-trichlorobenzene	0.975	0.982		0.7	30.0
1,2,3-Trichlorobenzene	0.778	0.817	0.200	5.0	30.0
1,4-Difluorobenzene	1.000	1.000		0.0	30.0
Chlorobenzene-d5	1.000	1.000		0.0	30.0
1,4-Dichlorobenzene-d4	1.000	1.000		0.0	30.0
Vinyl Chloride-d3	0.283	0.276		-2.5	
Chloroethane-d5	0.220	0.235		6.8	
1,1-Dichloroethene-d2	0.698	0.754		8.0	
2-Butanone-d5	0.026	0.032		23.1	
Chloroform-d	0.656	0.747		13.9	
1,2-Dichloroethane-d4	0.235	0.254		8.1	30.0
Benzene-d6	1.255	1.369		9.1	
1,2-Dichloropropane-d6	0.470	0.508		8.1	
trans-1,3-Dichloropropene-d4	0.107	0.112		4.7	
Toluene-d8	1.318	1.357		3.0	30.0
2-Hexanone-d5	0.042	0.046		9.5	
1,1,2,2-Tetrachloroethane-d2	0.306	0.329		7.5	
Bromoform-d	0.369	0.447		21.1	
1,2-Dichlorobenzene-d4	0.898	0.880		-2.0	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID: MSVOAF Calibration Date/Time: 5/9/2007 11:18

Lab File ID: VF006841.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF005	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.489	0.547		11.9	
Chloromethane	0.272	0.285		4.8	
Vinyl chloride	0.259	0.305	0.100	17.8	30.0
Bromomethane	0.211	0.239	0.100	13.3	30.0
Chloroethane	0.142	0.171		20.4	
Trichlorofluoromethane	0.765	0.882		15.3	
1,1,2-Trichlorotrifluoroethane	0.634	0.682		7.6	
1,1-Dichloroethene	0.297	0.302	0.100	1.7	30.0
Acetone	0.018	0.016		-11.1	
Carbon disulfide	0.825	0.890		7.9	
Methyl tert-butyl Ether	0.462	0.455		-1.5	
Methyl Acetate	0.122	0.143		17.2	
Methylene chloride	0.250	0.250		0.0	
trans-1,2-Dichloroethene	0.319	0.340		6.6	
1,1-Dichloroethane	0.522	0.592	0.200	13.4	30.0
Cyclohexane	0.555	0.674		21.4	
2-Butanone	0.054	0.050		-7.4	
Carbon tetrachloride	0.763	0.861	0.100	12.8	30.0
cis-1,2-Dichloroethene	0.291	0.302		3.8	
Bromochloromethane	0.124	0.125	0.050	0.8	30.0
Chloroform	0.643	0.663	0.200	3.1	30.0
1,1,1-Trichloroethane	0.942	0.983	0.100	4.4	30.0
Methylcyclohexane	0.742	0.843		13.6	
Benzene	1.180	1.330	0.400	12.7	30.0
1,2-Dichloroethane	0.240	0.279	0.100	16.3	30.0
Trichloroethene	0.551	0.592	0.300	7.4	30.0
1,2-Dichloropropane	0.365	0.412		12.9	30.0
Bromodichloromethane	0.655	0.703	0.200	7.3	30.0
4-Methyl-2-pentanone	0.121	0.139		14.9	
Toluene	1.500	1.599	0.400	6.6	30.0
trans-1,3-Dichloropropene	0.431	0.465	0.100	7.9	30.0
cis-1,3-Dichloropropene	0.579	0.639	0.200	10.4	30.0
1,1,2-Trichloroethane	0.253	0.260	0.100	2.8	30.0
2-Hexanone	0.080	0.092		15.0	
Dibromochloromethane	0.410	0.429	0.100	4.6	30.0
1,2-Dibromoethane	0.312	0.315	0.100	1.0	30.0
Tetrachloroethene	0.587	0.500	0.100	-14.8	30.0
Chlorobenzene	1.032	1.023	0.500	-0.9	30.0
Ethylbenzene	1.994	2.074		4.0	30.0
m&p-xylenes	0.734	0.734		0.0	30.0
o-xylene	0.670	0.683		1.9	30.0
Styrene	1.044	1.097	0.300	5.1	30.0
Bromoform	0.484	0.423	0.050	-12.6	30.0
Isopropylbenzene	2.153	2.238		3.9	

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID: MSVOAF Calibration Date/Time: 5/9/2007 11:18

Lab File ID: VF006841.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX%D
1,1,2,2-Tetrachloroethane	0.314	0.326	0.100	3.8	30.0
1,3-Dichlorobenzene	1.612	1.649	0.400	2.3	30.0
1,4-Dichlorobenzene	1.642	1.757	0.400	7.0	30.0
1,2-Dichlorobenzene	1.358	1.412	0.400	4.0	30.0
1,2-Dibromo-3-chloropropane	0.098	0.097		-1.0	
1,2,4-trichlorobenzene	0.975	1.006		3.2	30.0
1,2,3-Trichlorobenzene	0.778	0.767	0.200	-1.4	30.0
1,4-Difluorobenzene	1.000	1.000		0.0	30.0
Chlorobenzene-d5	1.000	1.000		0.0	30.0
1,4-Dichlorobenzene-d4	1.000	1.000		0.0	30.0
Vinyl Chloride-d3	0.283	0.268		-5.3	
Chloroethane-d5	0.220	0.230		4.5	
1,1-Dichloroethene-d2	0.698	0.736		5.4	
2-Butanone-d5	0.026	0.029		11.5	
Chloroform-d	0.656	0.762		16.2	
1,2-Dichloroethane-d4	0.235	0.240		2.1	30.0
Benzene-d6	1.255	1.389		10.7	
1,2-Dichloropropane-d6	0.470	0.509		8.3	
trans-1,3-Dichloropropene-d4	0.107	0.112		4.7	
Toluene-d8	1.318	1.377		4.5	30.0
2-Hexanone-d5	0.042	0.047		11.9	
1,1,2,2-Tetrachloroethane-d2	0.306	0.321		4.9	
Bromoform-d	0.369	0.457		23.8	
1,2-Dichlorobenzene-d4	0.898	0.903		0.6	

All other compounds must meet a minimum RRF of 0.010.

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

NS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-01

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.5	J		P
7439-92-1	Lead	41.6			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ND

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-02

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	22.2			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-03

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	141			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-04

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.8			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-05

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

16

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-06

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-07

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

12

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-08

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

26

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-09

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	12.6			P
7439-92-1	Lead	1.4	J		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

101

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-10

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	139			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-11

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	110			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-12

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.1	J		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

NS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-14

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.4	J		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ND

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-15

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KDR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-16

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	166			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

KSR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-17

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.8	J		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

17

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-18

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

16

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-19

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-2

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-20

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.1	J		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Form IA-IN

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

12

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-21

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

26

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-22

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	13.0			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

101

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 NRAS No.: Y2469 SDG NO.: Y2469

Matrix (soil/water): WATER Lab Sample ID: Y2469-23

Level (low/med): LOW Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	144			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

11

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-24

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	113			P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR

Lab Name: Chemtech Consulting Group

Contract: Construction Services Int.

Lab Code: CHEMED

Case No.: Y2469

NRAS No.: Y2469

SDG NO.: Y2469

Matrix (soil/water): WATER

Lab Sample ID: Y2469-25

Level (low/med): LOW

Date Received: 04/25/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U		P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless

Clarity Before: Clear

Texture:

Color After: Colourless

Clarity After: Clear

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

102

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-01

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.2	J	NE	P
7439-92-1	Lead	17.0			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

31

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-02

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.5	J	NE	P
7439-92-1	Lead	20.6			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

32

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-03

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-04

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	54.5		NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-07

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.9	J	NE	P
7439-92-1	Lead	1.0	J		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

24

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-08

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-09

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

23

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-10

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	25.8		NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

30R

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-11

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	163		NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

102

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-12

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

31

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-13

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	J	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

32

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-14

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JDR

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-15

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	60.8		NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

JS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-18

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.0	J	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

24

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-19

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-20

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	5.0	U	NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

23

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-21

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	26.7		NE	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

30R

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 NRAS No.: Y2485 SDG NO.: Y2485

Matrix (soil/water): WATER Lab Sample ID: Y2485-22

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	169		NE	P
7439-92-1	Lead	1.6	J		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Form IA-IN

Metals

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

22

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-01

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.3		N	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-04

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.9	J	N	P
7439-92-1	Lead	388			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-05

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	10.6		N	P
7439-92-1	Lead	82.9			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-06

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	149		N	P
7439-92-1	Lead	31.0			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

22

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-08

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.2		N	P
7439-92-1	Lead	3.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-11

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	4.2	J	N	P
7439-92-1	Lead	320			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-12

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	11.8		N	P
7439-92-1	Lead	13.0			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 NRAS No.: Y2486 SDG NO.: Y2486

Matrix (soil/water): WATER Lab Sample ID: Y2486-13

Level (low/med): LOW Date Received: 04/26/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	156		N	P
7439-92-1	Lead	90.4			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cadmium	494.0	531.82	107.7	2500.0	2408.46	96.3	2473.61	98.9	P
Lead	996.0	1082.60	108.7	5000.0	4774.10	95.5	4869.54	97.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cadmium				2500.0	2599.66	104.0	2643.12	105.7	P
Lead				5000.0	5129.83	102.6	5200.20	104.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cadmium				2500.0	2634.79	105.4	2617.24	104.7	P
Lead				5000.0	5158.75	103.2	5159.19	103.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cadmium				2500.0	2552.68	102.1	2377.38	95.1	P
Lead				5000.0	4986.70	99.7	4697.84	94.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cadmium				2500.0	2346.63	93.9	2496.24	99.8	P
Lead				5000.0	4621.17	92.4	4923.31	98.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Metals

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

AA CRDL Standard Source:

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				5.0	6.79	135.8	7.59	151.8
Lead				10.0	8.69	86.9	15.94	159.4

Control Limits: no limits have been established by EPA at this time

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

AA CRDL Standard Source:

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				5.0			7.88	157.6
Lead				10.0			10.52	105.2

Control Limits: no limits have been established by EPA at this time

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

AA CRDL Standard Source:

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				5.0			7.03	140.6
Lead				10.0			8.61	86.1

Control Limits: no limits have been established by EPA at this time

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

AA CRDL Standard Source:

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				5.0			-12.44	0.0
Lead				10.0			20.24	202.4

Control Limits: no limits have been established by EPA at this time

Metals

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

AA CRDL Standard Source:

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				5.0			4.95	99.0
Lead				10.0			11.21	112.1

Control Limits: no limits have been established by EPA at this time

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium	1.7	J	1.6	J	1.3	J	1.7	J	1.470	J	P
Lead	-1.2	J	1.0	U	-1.8	J	1.1	J	1.000	U	P

Metals

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469 / Y2486

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium	1.7	J	1.6	J	1.3	J	1.7	J	1.560	J	P
Lead	-1.2	J	1.0	U	-1.8	J	1.1	J	-1.820	J	P

Metals

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium			4.6	J	1.7	J	1.7	J	1.420	J	P
Lead			1.0	U	2.0	J	5.0		-1.190	J	P

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium			4.6	J	1.7	J	1.7	J			P
Lead			1.0	U	2.0	J	5.0				P

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium			1.1	J	1.0	U	1.4	J			P
Lead			8.3		1.0	U	7.1				P

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium			1.0	U							P
Lead			1.0	U							P

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	916	-0.59	961	104.9	-1.7	1040	113.5
Lead	0	47	2.1	51.8	110.2	1.4	56.3	119.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	916				-2.3	1060	115.7
Lead	0	47				2.4	53.5	113.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	916				-0.29	1040	113.5
Lead	0	47				-1.2	57.2	121.7

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	916				-2.8	961	104.9
Lead	0	47				-1.4	49.6	105.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	916				-1.3	939	102.5
Lead	0	47				-0.41	50.4	107.2

SPIKE SAMPLE RECOVERY

SAMPLE NO.

JDRS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cadmium	75 - 125	111.0900		54.5100		50.00	113.2		P
Lead	75 - 125	24.0700		1.0000	U	25.00	96.3		P

Comments:

SPIKE SAMPLE RECOVERY

SAMPLE NO.

JDRS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cadmium	75 - 125	123.4200		60.8200		50.00	125.2	N	P
Lead	75 - 125	25.2300		1.0000	U	25.00	100.9		P

Comments:

Metals

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

NSS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cadmium	75 - 125	61.5000		1.3900	J	50.00	120.2		P
Lead	75 - 125	23.3600		1.0000	U	25.00	93.4		P

Comments:

Metals

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

22S

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER

% Solids for Sample: 0.0 Level (low/med): LOW

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cadmium	75 - 125	68.5200		7.3100		50.00	122.4		P
Lead	75 - 125	22.6700		1.0000	U	25.00	90.7		P

Comments:

DUPLICATES

SAMPLE NO.

JDRD

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium		54.5100		54.8800		0.7		P
Lead		1.0000	U	1.0000	U			P

DUPLICATES

SAMPLE NO.

JDRD

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium		60.8200		61.2700		0.7		P
Lead		1.0000	U	1.0000	U			P

6

DUPLICATES

SAMPLE NO.

NSD

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium		1.3900	J	2.1900	J	44.7		P
Lead		1.0000	U	1.0000	U			P

6

DUPLICATES

SAMPLE NO.

22D

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium	5.0	7.3100		7.5600		3.4		P
Lead		1.0000	U	1.0000	U			P

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Solid LCS Source:

Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cadmium	494.0	542.56	109.8						
Lead	996.0	1090.76	109.5						

7

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Solid LCS Source:

Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Cadmium	494.0	544.06	110.1					
Lead	996.0	1093.86	109.8					

7

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Solid LCS Source:

Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Cadmium	494.0	544.31	110.2					
Lead	996.0	1094.21	109.9					

ICP SERIAL DILUTIONS

SAMPLE NO.

JDRL

Lab Name: Chemtech Consulting Group Contract: Constructio

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Cadmium	54.51		58.55		7.4		P
Lead	1.00	U	5.00	U			P

ICP SERIAL DILUTIONS

SAMPLE NO.

JDRL

Lab Name: Chemtech Consulting Group Contract: Constructio

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Cadmium	60.82		68.45		12.5	E	P
Lead	1.00	U	5.00	U			P

9

ICP SERIAL DILUTIONS

SAMPLE NO.

NSL

Lab Name: Chemtech Consulting Group Contract: Constructio

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Cadmium	1.39	J	5.00	U	100.0		P
Lead	1.00	U	5.00	U			P

9
ICP SERIAL DILUTIONS

SAMPLE NO.

22L

Lab Name: Chemtech Consulting Group Contract: Constructio

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Cadmium	7.31		12.10	J	65.5		P
Lead	1.00	U	5.00	U			P

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 Date: 4/4/2007

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	MDL (ug/L)	M
Cadmium	226.50		5	1.0	P
Lead	220.35		3	1.0	P

Comments:

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0031000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0005100
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0129000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	Ba	Be	Cd	Co
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0001000	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0002000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0022000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	K	Mn	Na
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000700	0.0000000	0.0002000	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0002000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	Pb	Sb	Se	Tl
Aluminum	308.20	0.0000000	0.0005300	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0037800	0.0000000	0.0000000
Cobalt	228.60	0.0002000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0001000	0.0002000	0.0000500	0.0000600	-0.0000400
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0001200	0.0000000	0.0004200	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000890	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.0000500	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.20	0.0000000	0.0000000			
Antimony	206.80	0.0000000	0.0000000			
Arsenic	189.00	0.0000000	0.0000000			
Barium	493.40	0.0000000	0.0000000			
Beryllium	313.00	0.0000000	0.0000000			
Cadmium	226.50	0.0000000	0.0000000			
Calcium	317.90	0.0000000	0.0000000			
Chromium	267.70	-0.0018200	0.0000000			
Cobalt	228.60	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0006000			
Iron	271.40	-0.0000400	0.0006000			
Lead	220.40	0.0000000	0.0000000			
Magnesium	279.00	0.0000000	0.0000000			
Manganese	257.60	0.0000000	0.0000000			
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.50	0.0000000	0.0000000			
Selenium	196.00	0.0000000	0.0000000			
Silver	328.00	0.0000000	0.0000000			
Sodium	588.90	0.0000000	0.0000000			
Thallium	190.90	0.0000000	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	206.20	0.0000000	0.0000000			

Comments:

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

ICP ID Number: P1 Date: 4/5/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Cadmium	10.00	50000.0	P
Lead	10.00	100000.0	P

Comments:

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PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
101	4/30/2007	50.0	50.0
11	4/30/2007	50.0	50.0
12	4/30/2007	50.0	50.0
16	4/30/2007	50.0	50.0
17	4/30/2007	50.0	50.0
22D	4/30/2007	50.0	50.0
22S	4/30/2007	50.0	50.0
26	4/30/2007	50.0	50.0
BR	4/30/2007	50.0	50.0
KDR	4/30/2007	50.0	50.0
KSR	4/30/2007	50.0	50.0
ND	4/30/2007	50.0	50.0
NS	4/30/2007	50.0	50.0
PB26389BL	4/30/2007	50.0	50.0
PB26389BS	4/30/2007	50.0	50.0
RB-2	4/30/2007	50.0	50.0

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PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
101	5/4/2007	50.0	50.0
11	5/4/2007	50.0	50.0
12	5/4/2007	50.0	50.0
16	5/4/2007	50.0	50.0
17	5/4/2007	50.0	50.0
26	5/4/2007	50.0	50.0
BR	5/4/2007	50.0	50.0
KDR	5/4/2007	50.0	50.0
KSR	5/4/2007	50.0	50.0
ND	5/4/2007	50.0	50.0
NS	5/4/2007	50.0	50.0
NSD	5/4/2007	50.0	50.0
NSS	5/4/2007	50.0	50.0
PB26516BL	5/4/2007	50.0	50.0
PB26516BS	5/4/2007	50.0	50.0
RB-2	5/4/2007	50.0	50.0

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
102	4/30/2007	50.0	50.0
102	4/30/2007	50.0	50.0
23	4/30/2007	50.0	50.0
23	4/30/2007	50.0	50.0
24	4/30/2007	50.0	50.0
24	4/30/2007	50.0	50.0
30R	4/30/2007	50.0	50.0
30R	4/30/2007	50.0	50.0
31	4/30/2007	50.0	50.0
31	4/30/2007	50.0	50.0
32	4/30/2007	50.0	50.0
32	4/30/2007	50.0	50.0
FB-1	4/30/2007	50.0	50.0
FB-1	4/30/2007	50.0	50.0
JDR	4/30/2007	50.0	50.0
JDR	4/30/2007	50.0	50.0
JDRD	4/30/2007	50.0	50.0
JDRD	4/30/2007	50.0	50.0
JDRS	4/30/2007	50.0	50.0
JDRS	4/30/2007	50.0	50.0
JS	4/30/2007	50.0	50.0
JS	4/30/2007	50.0	50.0
PB26388BL	4/30/2007	50.0	50.0
PB26388BS	4/30/2007	50.0	50.0

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PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
22	4/30/2007	50.0	50.0
22	4/30/2007	50.0	50.0
22D	4/30/2007	50.0	50.0
22D	4/30/2007	50.0	50.0
22S	4/30/2007	50.0	50.0
22S	4/30/2007	50.0	50.0
OS	4/30/2007	50.0	50.0
OS	4/30/2007	50.0	50.0
PB26389BL	4/30/2007	50.0	50.0
PB26389BS	4/30/2007	50.0	50.0
SD	4/30/2007	50.0	50.0
SD	4/30/2007	50.0	50.0
SS	4/30/2007	50.0	50.0
SS	4/30/2007	50.0	50.0

Metals

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ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group
Contract: Construction Services Int.
Lab Code: CHEMED
Case No.: Y2469
SAS No.: Y2469
SDG No.: Y2469
Instrument ID Number: P1
Method: P
Start Date: 5/4/2007
End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0934							X						X												
S	1.00	0937							X						X												
ICV01	1.00	0940							X						X												
ICB01	1.00	0942							X						X												
CRI01	1.00	0947							X						X												
ICS-A01	1.00	0949							X						X												
ICS-AB01	1.00	0951							X						X												
CCV01	1.00	0954							X						X												
CCB01	1.00	0956							X						X												
ZZZZZZ	1.00	0958							X						X												
PB26389BL	1.00	1000																									
PB26516BL	1.00	1003							X						X												
ZZZZZZ	1.00	1005							X						X												
PB26389BS	1.00	1007																									
PB26516BS	1.00	1009							X						X												
ZZZZZZ	1.00	1031							X						X												
ZZZZZZ	1.00	1033																									
ZZZZZZ	5.00	1035																									
ZZZZZZ	1.00	1039																									
CCV02	1.00	1041																									
CCB02	1.00	1044							X						X												
ZZZZZZ	1.00	1046							X						X												
ZZZZZZ	1.00	1048																									
ZZZZZZ	5.00	1050																									
ZZZZZZ	1.00	1052																									
ZZZZZZ	1.00	1055																									
22D	1.00	1057																									
22S	1.00	1059							X						X												
CRI02	1.00	1101							X						X												
ICS-A02	1.00	1103							X						X												
ICS-AB02	1.00	1105							X						X												
CCV03	1.00	1111							X						X												
CCB03	1.00	1114							X						X												
22L	5.00	1116							X						X												
ZZZZZZ	1.00	1118																									
ZZZZZZ	1.00	1120																									
ZZZZZZ	5.00	1122																									
ZZZZZZ	1.00	1124																									

Metals

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ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
NS	1.00	1126							X						X												
NS	1.00	1128							X						X												
NSD	1.00	1130							X						X												
NSL	5.00	1132							X						X												
NSS	1.00	1133							X						X												
CCV04	1.00	1135							X						X												
CCB04	1.00	1138							X						X												
ND	1.00	1141							X						X												
KDR	1.00	1143							X						X												
KSR	1.00	1145							X						X												
17	1.00	1147							X						X												
16	1.00	1149							X						X												
RB-2	1.00	1151							X						X												
12	1.00	1153							X						X												
CRI03	1.00	1155							X						X												
ICS-A03	1.00	1157							X						X												
ICS-AB03	1.00	1200							X						X												
CCV05	1.00	1202							X						X												
CCB05	1.00	1204							X						X												
26	1.00	1206							X						X												
101	1.00	1208							X						X												
11	1.00	1210							X						X												
BR	1.00	1212							X						X												
ND	1.00	1214							X						X												
KDR	1.00	1216							X						X												
KSR	1.00	1218							X						X												
17	1.00	1220							X						X												
16	1.00	1222							X						X												
RB-2	1.00	1224							X						X												
CCV06	1.00	1227							X						X												
CCB06	1.00	1229							X						X												
12	1.00	1231							X						X												
26	1.00	1233							X						X												
101	1.00	1235							X						X												
11	1.00	1237							X						X												
BR	1.00	1240							X						X												
ZZZZZZ	1.00	1242																									
ZZZZZZ	1.00	1244																									

Metals

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ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2469 SAS No.: Y2469 SDG No.: Y2469

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CRI04	1.00	1251							X						X												
ICS-A04	1.00	1253							X						X												
ICS-AB04	1.00	1256							X						X												
CCV07	1.00	1258							X						X												
CCB07	1.00	1300							X						X												
ZZZZZZ	1.00	1417																									
ZZZZZZ	1.00	1419																									
ZZZZZZ	1.00	1421																									
ZZZZZZ	1.00	1423																									
ZZZZZZ	1.00	1425																									
ZZZZZZ	1.00	1427																									
ZZZZZZ	1.00	1429																									
ZZZZZZ	1.00	1431																									
ZZZZZZ	1.00	1433																									
ZZZZZZ	1.00	1435																									
CCV08	1.00	1437							X						X												
CCB08	1.00	1441							X						X												
ZZZZZZ	1.00	1447																									
ZZZZZZ	1.00	1449																									
ZZZZZZ	1.00	1450																									
ZZZZZZ	1.00	1453																									
ZZZZZZ	1.00	1455																									
ZZZZZZ	1.00	1457																									
ZZZZZZ	1.00	1501																									
CRI05	1.00	1503							X						X												
ICS-A05	1.00	1505							X						X												
ICS-AB05	1.00	1507							X						X												
CCV09	1.00	1514							X						X												
CCB09	1.00	1518							X						X												
ZZZZZZ	1.00	1520																									
ZZZZZZ	1.00	1522																									
ZZZZZZ	1.00	1524																									
CRI06	1.00	1526							X						X												
ICS-A06	1.00	1528							X						X												
ICS-AB06	1.00	1531							X						X												
CCV10	1.00	1535							X						X												
CCB10	1.00	1541							X						X												

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SO	1.00	0934							X						X												
S	1.00	0937							X						X												
ICV01	1.00	0940							X						X												
ICB01	1.00	0942							X						X												
CRI01	1.00	0947							X						X												
ICS-A01	1.00	0949							X						X												
ICS-AB01	1.00	0951							X						X												
CCV01	1.00	0954							X						X												
CCB01	1.00	0956							X						X												
PB26388BL	1.00	0958							X						X												
ZZZZZZ	1.00	1000																									
ZZZZZZ	1.00	1003																									
PB26388BS	1.00	1005							X						X												
ZZZZZZ	1.00	1007																									
ZZZZZZ	1.00	1009																									
JDR	1.00	1031							X						X												
[illegible]	1.00	1033							X						X												
[illegible]	5.00	1035							X						X												
JDRS	1.00	1039							X						X												
CCV02	1.00	1041							X						X												
CCB02	1.00	1044							X						X												
JDR	1.00	1046							X						X												
JDRD	1.00	1048							X						X												
JDRL	5.00	1050							X						X												
JDRS	1.00	1052							X						X												
ZZZZZZ	1.00	1055																									
ZZZZZZ	1.00	1057																									
ZZZZZZ	1.00	1059																									
CRI02	1.00	1101							X						X												
ICS-A02	1.00	1103							X						X												
ICS-AB02	1.00	1105							X						X												
CCV03	1.00	1111							X						X												
CCB03	1.00	1114							X						X												
ZZZZZZ	5.00	1116																									
ZZZZZZ	1.00	1118																									
ZZZZZZ	1.00	1120																									
ZZZZZZ	5.00	1122																									
ZZZZZZ	1.00	1124																									

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1126																									
ZZZZZZ	1.00	1128																									
ZZZZZZ	1.00	1130																									
ZZZZZZ	5.00	1132																									
ZZZZZZ	1.00	1133																									
CCV04	1.00	1135							X						X												
CCB04	1.00	1138							X						X												
ZZZZZZ	1.00	1141																									
ZZZZZZ	1.00	1143																									
ZZZZZZ	1.00	1145																									
ZZZZZZ	1.00	1147																									
ZZZZZZ	1.00	1149																									
ZZZZZZ	1.00	1151																									
ZZZZZZ	1.00	1153																									
CRI03	1.00	1155							X						X												
ICS-A03	1.00	1157							X						X												
[illegible]-AB03	1.00	1200							X						X												
[illegible]05	1.00	1202							X						X												
CCB05	1.00	1204							X						X												
ZZZZZZ	1.00	1206																									
ZZZZZZ	1.00	1208																									
ZZZZZZ	1.00	1210																									
ZZZZZZ	1.00	1212																									
ZZZZZZ	1.00	1214																									
ZZZZZZ	1.00	1216																									
ZZZZZZ	1.00	1218																									
ZZZZZZ	1.00	1220																									
ZZZZZZ	1.00	1222																									
ZZZZZZ	1.00	1224																									
CCV06	1.00	1227							X						X												
CCB06	1.00	1229							X						X												
ZZZZZZ	1.00	1231																									
ZZZZZZ	1.00	1233																									
ZZZZZZ	1.00	1235																									
ZZZZZZ	1.00	1237																									
ZZZZZZ	1.00	1240																									
102	1.00	1242							X						X												
31	1.00	1244							X						X												

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2485 SAS No.: Y2485 SDG No.: Y2485

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CRI04	1.00	1251							X						X												
ICS-A04	1.00	1253							X						X												
ICS-AB04	1.00	1256							X						X												
CCV07	1.00	1258							X						X												
CCB07	1.00	1300							X						X												
32	1.00	1417							X						X												
JS	1.00	1419							X						X												
24	1.00	1421							X						X												
FB-1	1.00	1423							X						X												
23	1.00	1425							X						X												
30R	1.00	1427							X						X												
102	1.00	1429							X						X												
31	1.00	1431							X						X												
32	1.00	1433							X						X												
JS	1.00	1435							X						X												
CCV08	1.00	1437							X						X												
[illegible]08	1.00	1441							X						X												
[illegible]	1.00	1447							X						X												
FB-1	1.00	1449							X						X												
23	1.00	1450							X						X												
30R	1.00	1453							X						X												
ZZZZZZ	1.00	1455																									
ZZZZZZ	1.00	1457																									
ZZZZZZ	1.00	1501																									
CRI05	1.00	1503							X						X												
ICS-A05	1.00	1505							X						X												
ICS-AB05	1.00	1507							X						X												
CCV09	1.00	1514							X						X												
CCB09	1.00	1518							X						X												
ZZZZZZ	1.00	1520																									
ZZZZZZ	1.00	1522																									
ZZZZZZ	1.00	1524																									
CRI06	1.00	1526							X						X												
ICS-A06	1.00	1528							X						X												
ICS-AB06	1.00	1531							X						X												
CCV10	1.00	1535							X						X												
CCB10	1.00	1541							X						X												

Metals

14

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0934							X						X												
S	1.00	0937							X						X												
ICV01	1.00	0940							X						X												
ICB01	1.00	0942							X						X												
CRI01	1.00	0947							X						X												
ICS-A01	1.00	0949							X						X												
ICS-AB01	1.00	0951							X						X												
CCV01	1.00	0954							X						X												
CCB01	1.00	0956							X						X												
ZZZZZZ	1.00	0958																									
PB26389BL	1.00	1000							X						X												
ZZZZZZ	1.00	1003																									
ZZZZZZ	1.00	1005																									
PB26389BS	1.00	1007							X						X												
ZZZZZZ	1.00	1009																									
ZZZZZZ	1.00	1031																									
ZZZZZZ	1.00	1033																									
ZZZZZZ	5.00	1035																									
ZZZZZZ	1.00	1039																									
CCV02	1.00	1041							X						X												
CCB02	1.00	1044							X						X												
ZZZZZZ	1.00	1046																									
ZZZZZZ	1.00	1048																									
ZZZZZZ	5.00	1050																									
ZZZZZZ	1.00	1052																									
22	1.00	1055							X						X												
22D	1.00	1057							X						X												
22S	1.00	1059							X						X												
CRI02	1.00	1101							X						X												
ICS-A02	1.00	1103							X						X												
ICS-AB02	1.00	1105							X						X												
CCV03	1.00	1111							X						X												
CCB03	1.00	1114							X						X												
22L	5.00	1116							X						X												
22	1.00	1118							X						X												
22D	1.00	1120							X						X												
22L	5.00	1122							X						X												
22S	1.00	1124							X						X												

Metals

14

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1126																									
ZZZZZZ	1.00	1128																									
ZZZZZZ	1.00	1130																									
ZZZZZZ	5.00	1132																									
ZZZZZZ	1.00	1133																									
CCV04	1.00	1135							X						X												
CCB04	1.00	1138							X						X												
ZZZZZZ	1.00	1141																									
ZZZZZZ	1.00	1143																									
ZZZZZZ	1.00	1145																									
ZZZZZZ	1.00	1147																									
ZZZZZZ	1.00	1149																									
ZZZZZZ	1.00	1151																									
ZZZZZZ	1.00	1153																									
CRI03	1.00	1155							X						X												
ICS-A03	1.00	1157							X						X												
ICS-AB03	1.00	1200							X						X												
CCV05	1.00	1202							X						X												
CCB05	1.00	1204							X						X												
ZZZZZZ	1.00	1206																									
ZZZZZZ	1.00	1208																									
ZZZZZZ	1.00	1210																									
ZZZZZZ	1.00	1212																									
ZZZZZZ	1.00	1214																									
ZZZZZZ	1.00	1216																									
ZZZZZZ	1.00	1218																									
ZZZZZZ	1.00	1220																									
ZZZZZZ	1.00	1222																									
ZZZZZZ	1.00	1224																									
CCV06	1.00	1227							X						X												
CCB06	1.00	1229							X						X												
ZZZZZZ	1.00	1231																									
ZZZZZZ	1.00	1233																									
ZZZZZZ	1.00	1235																									
ZZZZZZ	1.00	1237																									
ZZZZZZ	1.00	1240																									
ZZZZZZ	1.00	1242																									
ZZZZZZ	1.00	1244																									

Metals

14

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2486 SAS No.: Y2486 SDG No.: Y2486

Instrument ID Number: P1 Method: P

Start Date: 5/4/2007 End Date: 5/4/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CRI04	1.00	1251							X						X												
ICS-A04	1.00	1253							X						X												
ICS-AB04	1.00	1256							X						X												
CCV07	1.00	1258							X						X												
CCB07	1.00	1300							X						X												
ZZZZZZ	1.00	1417																									
ZZZZZZ	1.00	1419																									
ZZZZZZ	1.00	1421																									
ZZZZZZ	1.00	1423																									
ZZZZZZ	1.00	1425																									
ZZZZZZ	1.00	1427																									
ZZZZZZ	1.00	1429																									
ZZZZZZ	1.00	1431																									
ZZZZZZ	1.00	1433																									
ZZZZZZ	1.00	1435																									
CCV08	1.00	1437							X						X												
CCB08	1.00	1441							X						X												
ZZZZZZ	1.00	1447																									
ZZZZZZ	1.00	1449																									
ZZZZZZ	1.00	1450																									
ZZZZZZ	1.00	1453																									
OS	1.00	1455							X						X												
SS	1.00	1457							X						X												
SD	1.00	1501							X						X												
CRI05	1.00	1503							X						X												
ICS-A05	1.00	1505							X						X												
ICS-AB05	1.00	1507							X						X												
CCV09	1.00	1514							X						X												
CCB09	1.00	1518							X						X												
OS	1.00	1520							X						X												
SS	1.00	1522							X						X												
SD	1.00	1524							X						X												
CRI06	1.00	1526							X						X												
ICS-A06	1.00	1528							X						X												
ICS-AB06	1.00	1531							X						X												
CCV10	1.00	1535							X						X												
CCB10	1.00	1541							X						X												

Premier Environmental Services

DATA VALIDATION SUMMARY
OF THE
NL INDUSTRIES SUPERFUND SITE
PEDRICKTOWN, NEW JERSEY

ORGANIC AND INORGANIC ANALYSES
IN GROUNDWATER SAMPLES

CHEMTECH LABORATORIES
MOUNTAINSIDE, NEW JERSEY

PROJECT NUMBER: Y2435, Y2448

June, 2007

Prepared for
Construction Services Incorporated
Annapolis, Maryland

Prepared by
Premier Environmental Services
2815 Covered Bridge Road
Merrick, New York 11566
(516)223-9761

DATA VALIDATION FOR:	**Volatile Organic Analyses**
SITE:	**NL Industries, Inc. Pedricktown, New Jersey**
REPORT NUMBER:	**Y2435**
CONTRACT LAB:	**Chemtech Consulting Group**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**July, 2007**
MATRIX:	**Aqueous**

The data validation was performed according to the guidelines in the NJ DEP SOP No. HW-13, Revision 3.0, 7/01, Organic Data Review for Low Concentration Water (OLC03.2, CLP SOW). All data are considered valid and acceptable except those which have been rejected "R" (unusable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of he material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All action is detailed on the attached sheets.

The "R" flag means that the associated value is unreliable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

A copy of the qualifiers and their definitions that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. Copies of the Chain of Custody (COC) documents associated with this data set are located in Appendix C of this report. Appendix D of this report contains copies of the correspondence between this data validator and the laboratory.

This data assessment is for a total of nine (9) aqueous field samples and two (2) Trip Blank samples listed on the Chain of Custody documents that accompanied the samples to the laboratory. A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report.

The samples in this data set were collected April 23, 2007 and April 24, 2007. The samples were picked up and delivered to the laboratory. The samples were received at Chemtech Consulting Group, located in Mountainside, New Jersey. They were received at the laboratory on April 23, 2007 and April 24, 2007. The samples were analyzed for the parameters listed on the chain of custody documents. This report is the review of the Volatile Organic Data. The review of the inorganic sample analyses associated with this data set is located in the Inorganic Data Validation report.

ORGANIC DATA ASSESSMENT

OVERVIEW:

The samples in this data set were to be analyzed for the Target Compound List (TCL) Volatile Organic Analytes. Tentatively Identified Compounds were searched for and reported when detected. The samples were analyzed by EPA method OLC03.2. This method utilizes 25 mls of sample in order to obtain lower method detection limits.

This report reviews Laboratory Reports Y2435 and Y2448. Nine (9) field samples and two (2) trip blank samples were analyzed, reported and reviewed.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Volatile Organic analyses are required to be analyzed within 10 days of validated time of sample receipt (VTSR) in accordance with the SOW. The technical holding time for properly preserved aqueous samples is 14 days from collection.

All of the samples in this data set received at the laboratory in good condition. All samples were properly preserved. The samples associated with this data set were analyzed within the ten (10) days of sample receipt. The holding time was met for all samples in this data set.

2. SURROGATES:

All samples are fortified with the Deuterated Monitoring Compounds prior to analysis. Fourteen (14) compounds are associated with this method. The method utilizes fourteen (14) Deuterated Surrogate Monitoring Compounds. These compounds monitor purge efficiency. Method specific recovery limits were utilized/reported by Chemtech. All percent recoveries are summarized on the Surrogate Summary Form included with in this report.

Chemtech summarized the surrogate recovery data for all field samples and QC samples associated with this data set. The percent recovery of all deuterated surrogate compounds met QC criteria in all field samples associated wit this data set.

All surrogate recovery criteria were met for all field samples in this data set. All QC sample surrogate recovery met QC criteria with the exception of Bromoform-d in sample VLCS02. The surrogate recovery was slightly lower (72%) than the method QC recovery limits (76-135%). Based on all other surrogate recovery limits, no action was taken based on this QC outlier.

ORGANIC DATA ASSESSMENT

3. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data. The laboratory should apply the recovery criteria stated in OLCO3.2 for reporting purposes.

The laboratory did not perform site-specific MS/MSD analysis on the samples in this data set. Additional sample volume was not collected to analyze an MS/MSD sample set.

The laboratory prepared two (2) Laboratory Control Samples (LCS). The LCS samples were each fortified with all of the target analytes. The LCS summary form reported the concentration and percent recovery of each target analyte. All percent recoveries met QC criteria in each of the LCS samples associated with this data set.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified with those QC samples associated with the particular blank. The following analytes in the samples shown were qualified "U" for these reasons:

A) Method Blank contamination

One (1) aqueous method blank sample is associated with the samples in this data set. Each was free from contamination of target analytes.

B) Field (FB) or Equipment Rinse Blank (ERB) contamination

Sample RB-1 (Y2448-10) associated with this data set was free from contamination of all target analytes with the exception of Methylene Chloride (2.2 ug/l). This analyte was also detected in sample Trip Blank -2 (TB-2, Y2448-01). The Methylene Chloride detected in sample RB-2 has been qualified "U" not-detected.

Qualified data result pages are located in Appendix B of this report.

C) Trip Blank contamination

Trip Blank sample TB-1 (Y2435- 01) was free from contamination of all target analytes with the exception of Methylene Chloride (0.55 ug/l). Methylene Chloride was detected in all of the samples associated with this Trip Blank sample. The Methylene Chloride has been negated and qualified "U" not-detected.

The Trip Blank sample TB-2 (Y2448-01) was free from contamination of all target analytes with the exception of Methylene Chloride (0.84 ug/l). Methylene Chloride was detected in all of the samples associated with this Trip Blank sample. The Methylene Chloride has been negated in each of these samples and qualified "U" not-detected.

ORGANIC DATA ASSESSMENT

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

All GC/MS BFB tuning criteria associated with these sample analyses met QC criteria.

6. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance.

A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. The average response factor for the Low Concentration VOA Target Compound List (TCL) must be greater than or equal to 0.05 in both initial and continuing calibrations unless the compounds is listed as a "poor performer". The list of "poor performer" analytes is located in the validation documents. A value less than 0.05, (0.01/poor performer) indicates a serious detection and quantitation problem (poor sensitivity). USEPA data validation criteria state that if the minimum RRF criteria are not met in an initial calibration the positive results are qualified "J". Non-detect results in the initial calibration with a RRF <0.05 (0.01/poor performer) are qualified "R", unusable. If RRF criteria are not met in the continuing calibration curve analysis, affected positive analytes will be qualified "J" estimated.

One calibration curve is associated with these sample analyses. The calibration was performed May 1, 2007 on GCMS Instrument F. A five (5) point calibration (0.5 ug/l, 1.0 ug/l, 5.0 ug/l, 10 ug/l, 25.0 ug/l) curve was analyzed. The average response factor for all target analytes met QC criteria in this initial calibration curve analysis.

One (1) continuing calibration standard analysis is associated with this data set. Continuing calibration standard analysis was performed on May 2, 2007. The response factor criteria were met for all target analytes in the continuing calibration standards on May 2, 2007.

6. GC/MS CALIBRATION (Cont'd):

B)PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 30%. The analytes listed as "poor performers" must have an RSD of less than or equal to 50%. The %D must be <25% (50% for poor performers) in the continuing calibration standard. This criteria has been applied to all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgement. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines.

One (1) initial calibration cure analysis was performed on GCMS Instrument F (5/1/07). All %RSD criteria in the initial calibration curve analysis associated with this data set met.

One (1) continuing calibration standard analysis is associated with this data set. All %D criteria in the continuing calibration standard met QC criteria.

7. INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50-100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50-100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard evaluation criteria has been applied to all field and QC samples.

Each of the samples in this data set was fortified with the Internal Standards, Pentaflurobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d5. All internal standard area counts and retention time shifts met QC criteria in the samples associated with this data set.

8. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound.

The samples with this data set were analyzed in accordance with EPA Method OLC03.2 as per the COC documents that accompanied the samples to the laboratory. The samples in each of the laboratory reports were analyzed using a 25 ml aliquot of sample. Lower (0.5 ug/L) detection limits were reported on the result forms. A library search for Tentatively Identified Compounds (TIC's) was performed for each sample in this data set and reported. TIC's when detected were reported on the result forms.

One (1) groundwater sample and one (1) Trip Blank sample are associated with Laboratory Report (Y2435). Methylene Chloride was detected in the Trip Blank sample in this data set. All groundwater samples in this data set were free from contamination of the target analytes with the exception of Methylene Chloride. The Methylene Chloride has been negated in the sample (with the exception of the Trip Blank sample) and qualified "U".

Seven (7) groundwater samples, one (1) Rinse Blank (RB-1) and one (1) Trip Blank sample (TB-2) are associated with Laboratory Report Y2448. Methylene Chloride was detected in both the Trip Blank and Rinse Blank sample in this data set. All groundwater samples in this data set were free from contamination of the target analytes with the exception of Methylene Chloride. The Methylene Chloride has been negated in each of the samples (with the exception of the Trip Blank sample) and qualified "U".

Qualified data result pages are located in Appendix B of this report.

9. FIELD DUPLICATE ANALYSIS:

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Sample 28 (Y2448-12) and 100 (Y2448-16) are field duplicate samples. Target analytes with the exception of Methylene Chloride were not detected in either of these field duplicate samples, therefore, no comparison of field duplicate data was made. Methylene Chloride was attributed to laboratory contamination therefore, comparison of this result was not made.

ORGANIC DATA ASSESSMENT

10. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT:

Analytical QC criteria of the method analyzed were met for the analytical data submitted. The data reported agrees with the raw data provided in the final report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

The samples in the complete data set were to be analyzed in accordance with the Low Level Volatile Organic method specified by the COC documents (OLC03.2).

Laboratory report Y2435 consisted of two (2) samples. Laboratory report Y2448 consisted of nine (9) samples. This data validation report encompasses both of these data sets. The samples were collected and analyzed using the same calibration sequence.

Methylene Chloride was detected in each of the Trip Blanks associated with these data sets and has been negated in each of the field samples. The sample data associated with the method reported is acceptable for use, with the noted data qualifiers.

Qualified data result pages are located in Appendix B of this report. Appendix D of this report contains a complete set of result forms and QC summary forms without data qualifiers. These are the QC summary forms that were provided in the original data report.

DATA VALIDATION FOR:	**Total and Dissolved Lead and Cadmium Analyses**
SITE:	**NL Industries, Inc. Pedricktown, New Jersey**
PROJECT NUMBER:	**Y2435, Y2448**
CONTRACT LAB:	**Chemtech Consulting Mountainside, New Jersey**
REVIEWER:	**Renee Cohen**
DATE REVIEW COMPLETED:	**June, 2007**
MATRIX:	**Aqueous**

The data validation was performed according to the guidelines in the current SOP No. HW-2 (Revision 13), September, 2005 for the Evaluation of Metal Data for the Contract Laboratory Program. All data are considered valid and acceptable except those analytes which have been rejected "R" (unusable/unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of he material, "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

The "R" flag means that the associated value is unusable. In other words, significant data bias is evident and the reported analyte concentration is unreliable.

Appendix A of this report contains a copy of the definitions that may be used in this report. Appendix B of this report contains the qualified data result pages associated with this data set. Appendix C of this report contains a copy of the Chain of Custody (COC) documents that accompanied the samples to the laboratory. Appendix D of this report contains a copy of all unqualified data result pages and the QC summary sheets associated with this data set.

This data assessment is for a total of nine (9) groundwater samples listed on the Chain of Custody documents that accompanied the samples to the laboratory. These groundwater samples were analyzed for Total and Dissolved metals. A cross-reference between Field Sample ID and Laboratory Sample ID is located in Table 1 of this report.

The samples in this data set were collected April 23, 2007 and April 24, 2007 and picked up by the laboratory currier. The samples were received by Chemtech Consulting, located in Mountainside, New Jersey. The samples were received by the laboratory on April 23, 2007 and April 24, 2007. The samples were analyzed for the parameters listed on the chain of custody documents. The samples in this data set were analyzed for Total and Dissolved Lead and Cadmium. The samples were also analyzed for Volatile Organic Analytes. The organic data review is located in the organic section of this validation report.

INORGANIC DATA ASSESSMENT

1. HOLDING TIME

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Metals with the exception of Mercury, are required to be digested and analyzed within 180 days of Verified Time of Sample Receipt (VTSR). Mercury samples are to be digested and analyzed within 26 days of VTSR.

Nine (9) groundwater samples are associated with this review/report. The samples in these data sets were analyzed for Total and Dissolved Cadmium and Lead. The aqueous samples were prepared/digested on April 26, 2007. The digestates were analyzed in one analytical sequence on May 3, 2007. All of the samples in this data grouping were prepared/digested and analyzed within the proper holding time.

2. CALIBRATION ANALYSIS

Inductively Coupled Plasma (ICP) was utilized for these analyses. The ICP was calibrated using a single point standard as required by the manufacturer. An initial calibration verification (ICV) standard was then analyzed to verify instrument calibration. The Total and Dissolved samples were analyzed in one (1) analytical sequence on May 3, 2007. Recoveries of the ICV standards associated with the analytical sequence met QC criteria. One continuing calibration verification (CCV) standard was then analyzed after each ten (10) field samples. All CCV percent recoveries met QC criteria.

3. CRDL STANDARD

The CRDL standard is used for the verification of instrument linearity near the CRDL. The CRDL standard control limits are 70-130% recovery. If the CRDL standard falls outside of the control limits, associated data less than or equal to the 10X the CRDL are qualified estimated (J or UJ) or rejected (R) depending on the recovery of the CRDL standard and the concentration of the analyte in the sample. When the CRDL standard exceeds the control limit, indicating a high bias, and the associated sample results are non-detect, no action is taken. When the CRDL standard exceeds the control limit, indicating a high bias positive sample results are qualified estimated (J).

Three (3) CRDL standards are associated with the ICP Total and Dissolved Metal analytical sequence. The recovery of Lead and Cadmium in all three (3) CRDL standards met QC criteria.

4. INTERFERENCE CHECK STANDARD

The Interference Check Standard (ICS) is used to verify the laboratory interelement and background correction factors of the ICP. Two solutions comprise the ICS A and ICS AB. Solution A consists of the interferent metals while solution AB is the group of target analytes and the interferents metals. An ICS analysis consists of analyzing both solutions consecutively for all wavelengths used for each analyte reported by ICP.

All ICSA and ICSAB recoveries associated with these analyses met QC criteria.

5. MATRIX SPIKE ANALYSIS

The spike sample analysis provides information about the effect of the sample matrix upon the digestion and measurement methodology. The spike control limits are 75%-125% when the sample concentration is less than four (4) times the spike added. If the matrix spike recoveries fall in the range of 30%-74%, the sample results are may be biased low and are qualified as estimated (J or UJ). If the matrix spike recoveries fall in the range of 126%-200%, sample results may be biased high. Positive results are qualified estimated (J). If the spike recovery is greater than 125% and the reported sample result is less than the IDL the data point is acceptable for use. If the matrix spike recovery is greater than 200%, the associated sample data are unusable and are rejected (R). If matrix spike results are less than 30%, the associated non-detect results are qualified unusable and rejected (R), and the results reported above the IDL are qualified estimated (J).

Chemtech performed a Matrix Spike analysis on Site Specific QC Sample 13 (Y2435-2). Sample 13 is the Total sample associated with the data set. The percent recovery of Lead and Cadmium in both the Total and Dissolved sample met QC criteria

6. POST DIGESTION SPIKE ANALYSIS

The post digestion spike sample analysis provides additional information about the effect of the sample matrix upon the digestion and measurement methodology. The post digestion spike is performed for each analyte that the pre-digestion spike recovery falls outside the 75-125% control limit.

Post digestion spike analysis was not necessary for the Total and Dissolved Lead and Cadmium that is associated with this data set.

7. DUPLICATE SAMPLE ANALYSIS

The duplicate sample analysis is used to evaluate the precision of the methods for each parameter. If the duplicate sample analysis results for a particular analyte fall outside the control windows of 20% RPD or =/- CRDL, whichever is appropriate depending upon the concentration of the sample, the associated sample results are qualified "J" estimated.

Chemtech performed laboratory duplicate analysis on Site Specific sample 13 (Y2435-2). This is the Total sample of point 13. Total Cadmium and Total Lead were not detected in this sample. The relative percent difference of Lead and Cadmium in the Total duplicate sample analysis met QC criteria.

8. ICP SERIAL DILUTION ANALYSIS

The serial dilution analysis indicates whether significant physical or chemical interference's exist due to the sample matrix. If the concentration of any analyte in the original sample is greater than 50 times the instrument detection limit (IDL), an analysis of a 5-fold dilution samples must yield results which have a percent difference (%D) of less than or equal to 10 with the original sample results. If the %D of the serial dilution exceeds the 10% (and is not greater than 100%) for a particular analyte, all the associated sample results are qualified estimated (J).

Chemtech performed Total ICP Serial Dilution analysis on Site Specific Sample 13 (Y2435-2). Cadmium and Lead were not detected in this Total sample analysis. The percent difference of Total Cadmium and Total Lead in the serial dilution analysis met QC criteria.

9. BLANKS

Blank analyses are assessed to determine the existence and magnitude of contamination problems. The criteria used for the evaluation of blanks applies to all blanks, including but not limited to reagent blanks, method blanks and field blanks. The responsibility for action in the case of an unsuitable blank result depends upon the circumstances and the origin of the blank itself. If the problem with any blank exists, then all associated data must be carefully evaluated to determine whether there is inherent variability in the data for that case, or the problem is an isolated occurrence not effecting other data.

The preparation blank associated with both the Total and Dissolved Lead and Cadmium analysis was free from contamination.

The Rinse Blank sample (RB-1, /Y2448-10, Y2448-11) was analyzed for both Total and Dissolved Cadmium and Total Lead. The Rinse Blank sample was free from contamination of both Total and Dissolved Cadmium and Lead.

10. LABORATORY CONTROL SAMPLE ANALYSIS

The laboratory control sample (LCS) analysis provides information about the efficiency of the digestion procedure. If the recovery of any analyte is outside the established control limits (aqueous 80%-120%), then laboratory performance and method accuracy are in question. Professional judgment is used to determine of data should be qualified or rejected.

One (1) LCS standard sample is associated with both the Total and Dissolved Lead and Cadmium analysis in this data set. The LCS sample met QC criteria for both Cadmium and Lead.

INORGANIC DATA ASSESSMENT

11. SAMPLE RESULTS DATA

This data report combines the results of the groundwater samples collected April 23-24, 2007. Chemtech Laboratories these samples in two (2) data reports (Y2435 and Y2448). This review is for both data sets. The samples in this data set were analyzed for Total and Dissolved Metals based on the method ILM04.1. Data was reviewed using the current USEPA Region 2 data review SOP.

Each of the samples was analyzed and reported without dilution. A review of Total and Dissolved sample results was performed. The data results associated with this data set are acceptable for use without data qualifiers.

12 FIELD DUPLICATE DATA

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Soil samples will have a greater variance due to the difficulties associated with collecting exact duplicate soil samples than aqueous samples. Data was not qualified based on the results of the field duplicate sample data.

Groundwater Sample 28 and 100 are field duplicates. The samples were blind duplicates submitted to the laboratory for analysis.

Total Metal Analyses
28 (Y2448-12)/100 (Y2448-16)

Analyte	Result ug/l	Result ug/l	RPD%
Cadmium	151	149	1.33
Lead	1.0 U	1.0 U	NC

Dissolved Metal Analyses
28 (Y2448-13)/100 (Y2448-17)

Analyte	Result ug/l	Result ug/l	RPD%
Cadmium	163	154	5.68
Lead	1.0 U	1.0 U	NC

U denotes not detected at the Method Detection Limit (MDL)
NC denotes not calculated

INORGANIC DATA ASSESSMENT

13. INSTRUMENT QC DATA

The laboratory is required by the method to perform specific instrument verification tests on a specific timeframe. Based on a review of the QC summary forms included in the data report, Chemtech performed the required studies specified by the method in the correct time-frame.

14. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

This data set included the analysis of nine (9) groundwater/aqueous samples for Total and Dissolved Lead and Cadmium. The samples were analyzed in accordance with Inorganic CLP Method ILM04.1. The sample results have been reported in accordance with the cited method.

The data associated with this data set is acceptable for use without data qualifiers.

TABLE 1

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Premier Environmental Services

CLIENT SAMPLE ID	LABORATORY SAMPLE ID
TB-1	Y2435-01
13	Y2435-02
13	Y2435-03
TB-2	Y2448-01
14	Y2448-02
14	Y2448-03
15	Y2448-04
15	Y2448-05
33	Y2448-06
33	Y2448-07
34	Y2448-08
34	Y2448-09
RB-1	Y2448-10
RB-1	Y2448-11
28	Y2448-12
28	Y2448-13
27	Y2448-14
27	Y2448-15
100	Y2448-16
100	Y2448-17

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Premier Environmental Services

APPENDIX A

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DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

K – The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.

L - The analyte is present. The reported value may be biased low. The actual value is expected to be higher than reported.

UL – The analyte was not detected, and the reported quantitation limit is probably higher than reported.

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Premier Environmental Services

APPENDIX B

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Matrix (soil/water): WATER Lab Sample ID: Y2435-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006757.D

Level (low/med): Date Received: 4/23/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.64	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
~~10061-01-5~~	~~cis-1,3-Dichloropropene~~	~~0.50~~	~~U~~
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2435

SAS No.: Y2435

SDG No.: Y2435

Matrix (soil/water): WATER

Lab Sample ID: Y2435-02

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006757.D

Level (low/med):

Date Received: 4/23/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

13

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2435

SAS No.: Y2435

SDG No.: Y2435

Matrix (soil/water): WATER

Lab Sample ID: Y2435-02

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006757.D

Level (low/med):

Date Received: 4/23/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006759.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.42	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006759.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-02

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006759.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006760.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.36	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-04

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006760.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

15

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-04

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006760.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006761.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.45	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006761.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-06

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006761.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

34

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-08

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006762.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.36	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

34

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-08

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006762.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

34

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-08

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006762.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-10

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006763.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	2.2	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.25	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-10

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006763.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-10

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006763.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

28

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-12

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006764.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.35	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

28

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-12

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006764.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

28

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-12

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006764.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-14

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006765.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.40	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-14

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006765.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

27

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-14

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006765.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

100

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-16

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006766.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.29	~~J~~ U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

100

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-16

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006766.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

100

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-16

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006766.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Premier Environmental Services

APPENDIX C

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. 2435

COC Number 064681

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: CSI
ADDRESS: 918 Chesapeake Ave
CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Dustin Ferris
PHONE: 410-268-3077 FAX: 410-268-0145

CLIENT PROJECT INFORMATION

PROJECT NAME: NL
PROJECT NO.: 00-0771 LOCATION: Pedricktown
PROJECT MANAGER: Jeff Moore
e-mail: JDFERRIS@CONTACTCSI.COM
PHONE: Same FAX: Same

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: Standard DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
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 VOCs 2 Total Pb+Cd 3 Dissolved Pb+Cd 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2 (B)	3 (B)	4	5	6	7	8	9	COMMENTS
1. 1	Trip Blank	H_2O		X	Lab Collected		2	X									
2. 3/2	13	"		X	4/23/07	1220	5	X	X	X							
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A–HCl B–HNO_3
C–H_2SO_4 D–NaOH
E–ICE F–Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 4/23/07	RECEIVED BY: 1. T. Jackson
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3. T. Jackson	DATE/TIME: 4:10 4-23-07	RECEIVED FOR LAB BY: 3. SNEHAL MEHTA

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments: Diss. Metals Received Field Filtered & Preserved

Cooler Temp. 4°C
Ice in Cooler?: YES

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

204 Sherfield Street, Mount[illegible]
(908) 789-8900 Fax (9[illegible]789-8922
www.chemtech.net

Y2448

COC Number 064736

Y2448 : 00120

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CSI
ADDRESS: 918 Chesapeake Ave.
CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Dustin Ferris
PHONE: 410-268-3077 FAX: 410-268-0145

CLIENT PROJECT INFORMATION

PROJECT NAME: NL
PROJECT NO.: 00-0771 LOCATION:
PROJECT MANAGER: Jeff Moore
e-mail: JDFERRIS@CONTACTCSI.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same as Client
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: STD DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT _____
- ☒ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____

ANALYSIS

VOCs by OLC 3.2
Total Pb + Cd (CLP)
Diss. Pb + Cd (CLP)

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. 1	Trip Blank	H_2O		X	Lab Collected		4	X	X	X							
2. 2, 3	14				4/23/07	1430	5	X	X	X							
3. 4, 5	15					1440	5	X	X	X							
4. 6, 7	33					1650	5	X	X	X							
5. 8, 9	34					1730	5	X	X	X							
6. 10, 11	RB-1					1815	5	X	X	X							
7. 12, 13	28				4/24/07	0845	5	X	X	X							
8. 14, 15	27					1050	5	X	X	X							
9.																	
10.																	

← Specify Preservatives
A–HCl B–HNO_3
C–H_2SO_4 D–NaOH
E–ICE F–Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	4/24/07 1255	1. J. Dutton
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3. J. Dutton	DATE/TIME: 3:50 4-24-07	RECEIVED FOR LAB BY: 3. Snehal Mehta

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments: All Dissolved metal sample were Field Fitted & preserved See e-Mail

Cooler Temp. 5°C
Ice in Cooler?: YES

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. 42448

COC Number 064736

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: CSI
ADDRESS: 918 Chesapeake Ave.
CITY: Annapolis STATE: MD ZIP: 21403
ATTENTION: J. Austin Ferris
PHONE: 410-268-3077 FAX: 410-268-0145

CLIENT PROJECT INFORMATION

PROJECT NAME: NL
PROJECT NO.: 00-0771 LOCATION:
PROJECT MANAGER: Jeff Moore
e-mail: JDFERRIS@CONTACTCSI.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same as Client
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: STD DAYS *
EDD: DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD FORMAT
- ☒ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

1 VOCs by OLC 3.2
2 Total Pb & Cd (CLP)
3 Diss. Pb & Cd (CLP)
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	Trip Blank	H_2O		X	Ens Collected		4	X	X	X							
2.	14				4/23/07	1430	5	X	X	X							
3.	15					1440	5	X	X	X							
4.	33					1650	5	X	X	X							
5.	34					1730	5	X	X	X							
6.	RB-1					1815	5	X	X	X							
7.	28				4/24/07	0845	5	X	X	X							
8.	27					1050	5	X	X	X							
9.																	
10.																	

PRESERVATIVES

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

ID = 180
Record back not listed on COC
3 – VOC vials
1 – metals
1 – Diss. metals

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	4/24/07 1255	1. [signature]
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. [signature]	3:50 4-24-07	3. Sneha Mehta

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp.
Ice in Cooler?:

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Premier Environmental Services

APPENDIX D

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB- 1

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Matrix (soil/water): WATER Lab Sample ID: Y2435-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006754.D

Level (low/med): Date Received: 4/23/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.55	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB- 1

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Matrix (soil/water): WATER Lab Sample ID: Y2435-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006754.D

Level (low/med): Date Received: 4/23/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB- 1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2435

SAS No.: Y2435

SDG No.: Y2435

Matrix (soil/water): WATER

Lab Sample ID: Y2435-01

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006754.D

Level (low/med):

Date Received: 4/23/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Matrix (soil/water): WATER Lab Sample ID: Y2435-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006757.D

Level (low/med): Date Received: 4/23/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.64	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Matrix (soil/water): WATER Lab Sample ID: Y2435-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006757.D

Level (low/med): Date Received: 4/23/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

13

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2435

SAS No.: Y2435

SDG No.: Y2435

Matrix (soil/water): WATER

Lab Sample ID: Y2435-02

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006757.D

Level (low/med):

Date Received: 4/23/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006758.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.84	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-2

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-01

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006758.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-2

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-01

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006758.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-02

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006759.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.42	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

14

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-02

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006759.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

14

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-02

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006759.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-04

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006760.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.36	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-04

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006760.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

15

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-04

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006760.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-06

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006761.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.45	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

33

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-06

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006761.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-06

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006761.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

34

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-08

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006762.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.36	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

34

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-08

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006762.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

34

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-08

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006762.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-10

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006763.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg)

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	2.2	
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.25	J
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-10

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006763.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-10

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006763.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

28

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-12

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006764.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.35	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

28

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-12

Sample wt/vol: 25.0 (g/mL) ml

Lab File ID: VF006764.D

Level (low/med):

Date Received: 4/24/07

% Moisture: not dec. 100

Date Analyzed: 5/2/07

GC Column: RTX624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

28

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-12

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006764.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-14

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006765.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.40	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-14

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006765.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

27

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-14

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006765.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624

ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

100

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-16

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006766.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
76-13-1	1,1,2-Trichlorotrifluoroethan	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
67-64-1	Acetone	2.5	U
75-15-0	Carbon disulfide	0.50	U
1634-04-4	Methyl tert-butyl Ether	0.50	U
79-20-9	Methyl Acetate	0.50	U
75-09-2	Methylene Chloride	0.29	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
78-93-3	2-Butanone	2.5	U
56-23-5	Carbon Tetrachloride	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
108-87-2	Methylcyclohexane	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
108-10-1	4-Methyl-2-Pentanone	2.5	U
108-88-3	Toluene	0.50	U
10061-02-6	t-1,3-Dichloropropene	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

100

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-16

Sample wt/vol: 25.0 (g/mL) ml Lab File ID: VF006766.D

Level (low/med): Date Received: 4/24/07

% Moisture: not dec. 100 Date Analyzed: 5/2/07

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS No.	Compound	ug/L	Q
591-78-6	2-Hexanone	2.5	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethyl Benzene	0.50	U
126777-61-2	m&p-xylenes	0.50	U
95-47-6	o-xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
1330-20-7	Total Xylenes	1.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

100

Lab Name: Chemtech

Contract: CONS02

Lab Code: CTECH

Case No.: Y2448

SAS No.: Y2448

SDG No.: Y2448

Matrix (soil/water): WATER

Lab Sample ID: Y2448-16

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: VF006766.D

Level (low/med):

Date Received: 4/24/2007

% Moisture: not dec. 100

Date Analyzed: 5/2/2007

GC Column: RTX624 ID: 0.53

Dilution Factor: 1.0

Soil Extract Volume:

Soil Aliquot Volume:

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Comments:

Chemtech

Surrogate Summary
SW-846

No.: Y2435
t: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSF0502W1	VLCS01	Vinyl Chloride-d3	5	4.94	99		49.00	138.00
		Chloroethane-d5	5	5.36	107		60.00	126.00
		1,1-Dichloroethene-d2	5	5.08	102		65.00	130.00
		2-Butanone-d5	25	24.15	97		42.00	171.00
		Chloroform-d	5	4.97	99		80.00	123.00
		1,2-Dichloroethane-d4	5	5.02	100		78.00	129.00
		Benzene-d6	5	4.62	92		78.00	121.00
		1,2-Dichloropropane-d6	5	4.6	92		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.36	87		80.00	128.00
		Toluene-d8	5	4.64	93		77.00	120.00
		2-Hexanone-d5	25	23.9	96		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.74	95		75.00	131.00
		Bromoform-d	5	4.01	80		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.75	95		50.00	150.00
BSF0502W2	VLCS02	Vinyl Chloride-d3	5	4.85	97		49.00	138.00
		Chloroethane-d5	5	5.49	110		60.00	126.00
		1,1-Dichloroethene-d2	5	5.17	103		65.00	130.00
		2-Butanone-d5	25	26.71	107		42.00	171.00
		Chloroform-d	5	4.58	92		80.00	123.00
		1,2-Dichloroethane-d4	5	5.17	103		78.00	129.00
		Benzene-d6	5	4.76	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.8	96		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.76	95		80.00	128.00
		Toluene-d8	5	4.73	95		77.00	120.00
		2-Hexanone-d5	25	25.05	100		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.97	99		75.00	131.00
		Bromoform-d	5	3.6	72	*	76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.61	92		50.00	150.00
VBF0502W2	VBLK01	Vinyl Chloride-d3	5	4.98	100		49.00	138.00
		Chloroethane-d5	5	5.74	115		60.00	126.00
		1,1-Dichloroethene-d2	5	4.07	81		65.00	130.00
		2-Butanone-d5	25	24.42	98		42.00	171.00
		Chloroform-d	5	4.43	89		80.00	123.00
		1,2-Dichloroethane-d4	5	4.73	95		78.00	129.00
		Benzene-d6	5	4.86	97		78.00	121.00
		1,2-Dichloropropane-d6	5	4.88	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.41	88		80.00	128.00
		Toluene-d8	5	4.74	95		77.00	120.00
		2-Hexanone-d5	25	23.76	95		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.77	95		75.00	131.00
		Bromoform-d	5	4.2	84		76.00	135.00

Surrogate Summary
SW-846

G No.: Y2435
ent: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
VBF0502W2	VBLK01	1,2-Dichlorobenzene-d4	5	4.47	89		50.00	150.00
Y2435-01	TB- 1	Vinyl Chloride-d3	5	5.05	101		49.00	138.00
		Chloroethane-d5	5	5.72	114		60.00	126.00
		1,1-Dichloroethene-d2	5	4.06	81		65.00	130.00
		2-Butanone-d5	25	21.54	86		42.00	171.00
		Chloroform-d	5	4.48	90		80.00	123.00
		1,2-Dichloroethane-d4	5	4.53	91		78.00	129.00
		Benzene-d6	5	4.95	99		78.00	121.00
		1,2-Dichloropropane-d6	5	4.92	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.11	82		80.00	128.00
		Toluene-d8	5	4.91	98		77.00	120.00
		2-Hexanone-d5	25	21.38	86		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.5	90		75.00	131.00
		Bromoform-d	5	4.25	85		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.46	89		50.00	150.00
Y2435-02	13	Vinyl Chloride-d3	5	4.88	98		49.00	138.00
		Chloroethane-d5	5	5.48	110		60.00	126.00
		1,1-Dichloroethene-d2	5	3.89	78		65.00	130.00
		2-Butanone-d5	25	24.46	98		42.00	171.00
		Chloroform-d	5	4.61	92		80.00	123.00
		1,2-Dichloroethane-d4	5	4.57	91		78.00	129.00
		Benzene-d6	5	4.92	98		78.00	121.00
		1,2-Dichloropropane-d6	5	4.91	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.53	91		80.00	128.00
		Toluene-d8	5	4.82	96		77.00	120.00
		2-Hexanone-d5	25	23.02	92		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.7	94		75.00	131.00
		Bromoform-d	5	4.47	89		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.62	92		50.00	150.00
Y2443-03	STORAGEBLANK	Vinyl Chloride-d3	5	5.56	111		49.00	138.00
		Chloroethane-d5	5	5.79	116		60.00	126.00
		1,1-Dichloroethene-d2	5	4.17	83		65.00	130.00
		2-Butanone-d5	25	34.41	138		42.00	171.00
		Chloroform-d	5	4.94	99		80.00	123.00
		1,2-Dichloroethane-d4	5	5.64	113		78.00	129.00
		Benzene-d6	5	5.08	102		78.00	121.00
		1,2-Dichloropropane-d6	5	5.34	107		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	5.09	102		80.00	128.00
		Toluene-d8	5	5.21	104		77.00	120.00
		2-Hexanone-d5	25	30.66	123		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	5.93	119		75.00	131.00

Surrogate Summary
SW-846

G No.: Y2435
nt: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2443-03	STORAGEBLANK	Bromoform-d	5	4.31	86		76.00	135.00
		1,2-Dichlorobenzene-d4	5	5.24	105		50.00	150.00

Chemtech

Surrogate Summary
SW-846

[redacted]o.: Y2448
[redacted]: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSF0502W1	VLCS01	Vinyl Chloride-d3	5	4.94	99		49.00	138.00
		Chloroethane-d5	5	5.36	107		60.00	126.00
		1,1-Dichloroethene-d2	5	5.08	102		65.00	130.00
		2-Butanone-d5	25	24.15	97		42.00	171.00
		Chloroform-d	5	4.97	99		80.00	123.00
		1,2-Dichloroethane-d4	5	5.02	100		78.00	129.00
		Benzene-d6	5	4.62	92		78.00	121.00
		1,2-Dichloropropane-d6	5	4.6	92		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.36	87		80.00	128.00
		Toluene-d8	5	4.64	93		77.00	120.00
		2-Hexanone-d5	25	23.9	96		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.74	95		75.00	131.00
		Bromoform-d	5	4.01	80		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.75	95		50.00	150.00
BSF0502W2	VLCS02	Vinyl Chloride-d3	5	4.85	97		49.00	138.00
		Chloroethane-d5	5	5.49	110		60.00	126.00
		1,1-Dichloroethene-d2	5	5.17	103		65.00	130.00
		2-Butanone-d5	25	26.71	107		42.00	171.00
		Chloroform-d	5	4.58	92		80.00	123.00
		1,2-Dichloroethane-d4	5	5.17	103		78.00	129.00
		Benzene-d6	5	4.76	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.8	96		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.76	95		80.00	128.00
		Toluene-d8	5	4.73	95		77.00	120.00
		2-Hexanone-d5	25	25.05	100		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.97	99		75.00	131.00
		Bromoform-d	5	3.6	72	*	76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.61	92		50.00	150.00
VBF0502W2	VBLK01	Vinyl Chloride-d3	5	4.98	100		49.00	138.00
		Chloroethane-d5	5	5.74	115		60.00	126.00
		1,1-Dichloroethene-d2	5	4.07	81		65.00	130.00
		2-Butanone-d5	25	24.42	98		42.00	171.00
		Chloroform-d	5	4.43	89		80.00	123.00
		1,2-Dichloroethane-d4	5	4.73	95		78.00	129.00
		Benzene-d6	5	4.86	97		78.00	121.00
		1,2-Dichloropropane-d6	5	4.88	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.41	88		80.00	128.00
		Toluene-d8	5	4.74	95		77.00	120.00
		2-Hexanone-d5	25	23.76	95		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.77	95		75.00	131.00
		Bromoform-d	5	4.2	84		76.00	135.00

Chemtech

Surrogate Summary
SW-846

S[redacted]o.: Y2448
C[redacted]: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
VBF0502W2	VBLK01	1,2-Dichlorobenzene-d4	5	4.47	89		50.00	150.00
Y2443-03	STORAGEBLANK	Vinyl Chloride-d3	5	5.56	111		49.00	138.00
		Chloroethane-d5	5	5.79	116		60.00	126.00
		1,1-Dichloroethene-d2	5	4.17	83		65.00	130.00
		2-Butanone-d5	25	34.41	138		42.00	171.00
		Chloroform-d	5	4.94	99		80.00	123.00
		1,2-Dichloroethane-d4	5	5.64	113		78.00	129.00
		Benzene-d6	5	5.08	102		78.00	121.00
		1,2-Dichloropropane-d6	5	5.34	107		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	5.09	102		80.00	128.00
		Toluene-d8	5	5.21	104		77.00	120.00
		2-Hexanone-d5	25	30.66	123		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	5.93	119		75.00	131.00
		Bromoform-d	5	4.31	86		76.00	135.00
		1,2-Dichlorobenzene-d4	5	5.24	105		50.00	150.00
Y2448-01	TB-2	Vinyl Chloride-d3	5	5.07	101		49.00	138.00
		Chloroethane-d5	5	5.82	116		60.00	126.00
		1,1-Dichloroethene-d2	5	4.14	83		65.00	130.00
		2-Butanone-d5	25	23.71	95		42.00	171.00
		Chloroform-d	5	4.78	96		80.00	123.00
		1,2-Dichloroethane-d4	5	4.65	93		78.00	129.00
		Benzene-d6	5	4.96	99		78.00	121.00
		1,2-Dichloropropane-d6	5	4.99	100		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.46	89		80.00	128.00
		Toluene-d8	5	4.93	99		77.00	120.00
		2-Hexanone-d5	25	23.73	95		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.77	95		75.00	131.00
		Bromoform-d	5	4.53	91		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.61	92		50.00	150.00
Y2448-02	14	Vinyl Chloride-d3	5	4.78	96		49.00	138.00
		Chloroethane-d5	5	5.42	108		60.00	126.00
		1,1-Dichloroethene-d2	5	4	80		65.00	130.00
		2-Butanone-d5	25	21.51	86		42.00	171.00
		Chloroform-d	5	4.58	92		80.00	123.00
		1,2-Dichloroethane-d4	5	4.68	94		78.00	129.00
		Benzene-d6	5	4.82	96		78.00	121.00
		1,2-Dichloropropane-d6	5	4.82	96		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.38	88		80.00	128.00
		Toluene-d8	5	4.74	95		77.00	120.00
		2-Hexanone-d5	25	21.39	86		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.73	95		75.00	131.00

Chemtech

Surrogate Summary
SW-846

S[redacted]: Y2448
C[redacted] Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2448-02	14	Bromoform-d	5	4.32	86		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.49	90		50.00	150.00
Y2448-04	15	Vinyl Chloride-d3	5	4.77	95		49.00	138.00
		Chloroethane-d5	5	5.49	110		60.00	126.00
		1,1-Dichloroethene-d2	5	3.92	78		65.00	130.00
		2-Butanone-d5	25	24.55	98		42.00	171.00
		Chloroform-d	5	4.64	93		80.00	123.00
		1,2-Dichloroethane-d4	5	4.75	95		78.00	129.00
		Benzene-d6	5	4.92	98		78.00	121.00
		1,2-Dichloropropane-d6	5	5.04	101		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.51	90		80.00	128.00
		Toluene-d8	5	4.87	97		77.00	120.00
		2-Hexanone-d5	25	22.62	90		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.78	96		75.00	131.00
		Bromoform-d	5	4.43	89		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.62	92		50.00	150.00
[redacted]-06	33	Vinyl Chloride-d3	5	4.77	95		49.00	138.00
		Chloroethane-d5	5	5.47	109		60.00	126.00
		1,1-Dichloroethene-d2	5	3.83	77		65.00	130.00
		2-Butanone-d5	25	25.52	102		42.00	171.00
		Chloroform-d	5	4.61	92		80.00	123.00
		1,2-Dichloroethane-d4	5	4.76	95		78.00	129.00
		Benzene-d6	5	4.85	97		78.00	121.00
		1,2-Dichloropropane-d6	5	4.89	98		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.55	91		80.00	128.00
		Toluene-d8	5	4.8	96		77.00	120.00
		2-Hexanone-d5	25	23.15	93		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.75	95		75.00	131.00
		Bromoform-d	5	4.26	85		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.53	91		50.00	150.00
Y2448-08	34	Vinyl Chloride-d3	5	4.82	96		49.00	138.00
		Chloroethane-d5	5	5.67	113		60.00	126.00
		1,1-Dichloroethene-d2	5	4.07	81		65.00	130.00
		2-Butanone-d5	25	23.9	96		42.00	171.00
		Chloroform-d	5	4.61	92		80.00	123.00
		1,2-Dichloroethane-d4	5	5.01	100		78.00	129.00
		Benzene-d6	5	4.94	99		78.00	121.00
		1,2-Dichloropropane-d6	5	5.21	104		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.54	91		80.00	128.00
		Toluene-d8	5	5.01	100		77.00	120.00
		2-Hexanone-d5	25	24.21	97		37.00	169.00

Chemtech

Surrogate Summary
SW-846

S[illegible]o.: Y2448
C[illegible] Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2448-08	34	1,1,2,2-Tetrachloroethane-d2	5	4.85	97		75.00	131.00
		Bromoform-d	5	4.55	91		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.87	97		50.00	150.00
Y2448-10	RB-1	Vinyl Chloride-d3	5	4.88	98		49.00	138.00
		Chloroethane-d5	5	5.62	112		60.00	126.00
		1,1-Dichloroethene-d2	5	4.16	83		65.00	130.00
		2-Butanone-d5	25	25.64	103		42.00	171.00
		Chloroform-d	5	4.68	94		80.00	123.00
		1,2-Dichloroethane-d4	5	5.14	103		78.00	129.00
		Benzene-d6	5	4.8	96		78.00	121.00
		1,2-Dichloropropane-d6	5	4.96	99		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.36	87		80.00	128.00
		Toluene-d8	5	4.81	96		77.00	120.00
		2-Hexanone-d5	25	24.54	98		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.83	97		75.00	131.00
		Bromoform-d	5	4.5	90		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.64	93		50.00	150.00
Y[illegible]8-12	28	Vinyl Chloride-d3	5	5.04	101		49.00	138.00
		Chloroethane-d5	5	5.63	113		60.00	126.00
		1,1-Dichloroethene-d2	5	4.11	82		65.00	130.00
		2-Butanone-d5	25	26.97	108		42.00	171.00
		Chloroform-d	5	4.93	99		80.00	123.00
		1,2-Dichloroethane-d4	5	5.12	102		78.00	129.00
		Benzene-d6	5	4.77	95		78.00	121.00
		1,2-Dichloropropane-d6	5	4.98	100		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.63	93		80.00	128.00
		Toluene-d8	5	4.77	95		77.00	120.00
		2-Hexanone-d5	25	23.97	96		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.73	95		75.00	131.00
		Bromoform-d	5	4.57	91		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.57	91		50.00	150.00
Y2448-14	27	Vinyl Chloride-d3	5	4.99	100		49.00	138.00
		Chloroethane-d5	5	5.53	111		60.00	126.00
		1,1-Dichloroethene-d2	5	4.1	82		65.00	130.00
		2-Butanone-d5	25	27.55	110		42.00	171.00
		Chloroform-d	5	4.77	95		80.00	123.00
		1,2-Dichloroethane-d4	5	5.22	104		78.00	129.00
		Benzene-d6	5	4.93	99		78.00	121.00
		1,2-Dichloropropane-d6	5	4.85	97		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.69	94		80.00	128.00
		Toluene-d8	5	4.8	96		77.00	120.00

Surrogate Summary
SW-846

S[redacted]o.: Y2448
C[redacted]: Construction Services Int.

Analytical Method: EPA OLC02.1 - VOA

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Y2448-14	27	2-Hexanone-d5	25	24.9	100		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	4.96	99		75.00	131.00
		Bromoform-d	5	4.66	93		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.56	91		50.00	150.00
Y2448-16	100	Vinyl Chloride-d3	5	4.57	91		49.00	138.00
		Chloroethane-d5	5	5.42	108		60.00	126.00
		1,1-Dichloroethene-d2	5	3.96	79		65.00	130.00
		2-Butanone-d5	25	27.44	110		42.00	171.00
		Chloroform-d	5	4.71	94		80.00	123.00
		1,2-Dichloroethane-d4	5	5.13	103		78.00	129.00
		Benzene-d6	5	4.81	96		78.00	121.00
		1,2-Dichloropropane-d6	5	4.96	99		84.00	123.00
		trans-1,3-Dichloropropene-d4	5	4.67	93		80.00	128.00
		Toluene-d8	5	4.87	97		77.00	120.00
		2-Hexanone-d5	25	24.79	99		37.00	169.00
		1,1,2,2-Tetrachloroethane-d2	5	5.12	102		75.00	131.00
		Bromoform-d	5	4.64	93		76.00	135.00
		1,2-Dichlorobenzene-d4	5	4.64	93		50.00	150.00

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Laboratory Control Spike - EPA Sample No: VLCS01

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0		5.0	100	(70-130
Chloromethane	5.0		5.4	108	(70-130
Vinyl chloride	5.0		5.1	102	(70-130
Bromomethane	5.0		5.8	116	(70-130
Chloroethane	5.0		4.9	98	(70-130
Trichlorofluoromethane	5.0		4.9	98	(70-130
1,1,2-Trichlorotrifluo	5.0		5.0	100	(70-130
1,1-Dichloroethene	5.0		5.2	104	(70-130
Acetone	25		30	120	(70-130
Carbon disulfide	5.0		5.2	104	(70-130
Methyl tert-butyl Ethe	5.0		5.3	106	(70-130
Methyl Acetate	5.0		5.5	110	(70-130
Methylene chloride	5.0		5.2	104	(70-130
trans-1,2-Dichloroethe	5.0		5.2	104	(70-130
1,1-Dichloroethane	5.0		5.3	106	(70-130
Cyclohexane	5.0		5.2	104	(70-130
2-Butanone	25		24	96	(70-130
Carbon tetrachloride	5.0		4.8	96	(70-130
cis-1,2-Dichloroethene	5.0		5.3	106	(70-130
Bromochloromethane	5.0		5.2	104	(70-130
Chloroform	5.0		5.4	108	(70-130
1,1,1-Trichloroethane	5.0		4.8	96	(70-130
Methylcyclohexane	5.0		4.7	94	(70-130
Benzene	5.0		4.8	96	(70-130
1,2-Dichloroethane	5.0		5.2	104	(70-130
Trichloroethene	5.0		4.8	96	(70-130
1,2-Dichloropropane	5.0		4.9	98	(70-130
Bromodichloromethane	5.0		4.7	94	(70-130
4-Methyl-2-pentanone	25		25	100	(70-130
Toluene	5.0		4.6	92	(70-130
trans-1,3-Dichloroprop	5.0		4.8	96	(70-130
cis-1,3-Dichloropropen	5.0		4.7	94	(70-130
1,1,2-Trichloroethane	5.0		4.8	96	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Laboratory Control Spike - EPA Sample No: VLCS01

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
2-Hexanone	25		25	100	(70-130
Dibromochloromethane	5.0		4.7	94	(70-130
1,2-Dibromoethane	5.0		5.4	108	(70-130
Tetrachloroethene	5.0		5.5	110	(70-130
Chlorobenzene	5.0		5.0	100	(70-130
Ethylbenzene	5.0		4.9	98	(70-130
m&p-xylenes	10		9.8	98	(70-130
o-xylene	5.0		5.0	100	(70-130
Styrene	5.0		5.1	102	(70-130
Bromoform	5.0		5.4	108	(70-130
Isopropylbenzene	5.0		4.8	96	(70-130
1,1,2,2-Tetrachloroeth	5.0		5.0	100	(70-130
1,3-Dichlorobenzene	5.0		4.9	98	(70-130
1,4-Dichlorobenzene	5.0		5.1	102	(70-130
1,2-Dichlorobenzene	5.0		4.9	98	(70-130
1,2-Dibromo-3-chloropr	5.0		5.2	104	(70-130
1,2,4-trichlorobenzene	5.0		5.2	104	(70-130
1,2,3-Trichlorobenzene	5.0		5.7	114	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Laboratory Control Spike - EPA Sample No: VLCS02

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
Dichlorodifluoromethan	5.0		5.0	100	(70-130
Chloromethane	5.0		5.1	102	(70-130
Vinyl chloride	5.0		5.1	102	(70-130
Bromomethane	5.0		6.4	128	(70-130
Chloroethane	5.0		5.2	104	(70-130
Trichlorofluoromethane	5.0		5.0	100	(70-130
1,1,2-Trichlorotrifluo	5.0		5.3	106	(70-130
1,1-Dichloroethene	5.0		5.2	104	(70-130
Acetone	25		31	124	(70-130
Carbon disulfide	5.0		5.5	110	(70-130
Methyl tert-butyl Ethe	5.0		5.4	108	(70-130
Methyl Acetate	5.0		5.7	114	(70-130
Methylene chloride	5.0		5.6	112	(70-130
trans-1,2-Dichloroethe	5.0		5.3	106	(70-130
1,1-Dichloroethane	5.0		5.2	104	(70-130
Cyclohexane	5.0		5.2	104	(70-130
2-Butanone	25		26	104	(70-130
Carbon tetrachloride	5.0		4.8	96	(70-130
cis-1,2-Dichloroethene	5.0		5.4	108	(70-130
Bromochloromethane	5.0		5.4	108	(70-130
Chloroform	5.0		5.1	102	(70-130
1,1,1-Trichloroethane	5.0		4.8	96	(70-130
Methylcyclohexane	5.0		4.9	98	(70-130
Benzene	5.0		4.9	98	(70-130
1,2-Dichloroethane	5.0		5.2	104	(70-130
Trichloroethene	5.0		4.9	98	(70-130
1,2-Dichloropropane	5.0		5.2	104	(70-130
Bromodichloromethane	5.0		5.0	100	(70-130
4-Methyl-2-pentanone	25		27	108	(70-130
Toluene	5.0		4.8	96	(70-130
trans-1,3-Dichloroprop	5.0		5.2	104	(70-130
cis-1,3-Dichloropropen	5.0		4.8	96	(70-130
1,1,2-Trichloroethane	5.0		5.2	104	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Laboratory Control Spike - EPA Sample No: VLCS02

COMPOUND	SPIKE ADDED (ug/L)		LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMIT REC
2-Hexanone	25		27	108	(70-130
Dibromochloromethane	5.0		4.9	98	(70-130
1,2-Dibromoethane	5.0		5.3	106	(70-130
Tetrachloroethene	5.0		6.1	122	(70-130
Chlorobenzene	5.0		5.2	104	(70-130
Ethylbenzene	5.0		5.0	100	(70-130
m&p-xylenes	10		9.8	98	(70-130
o-xylene	5.0		5.1	102	(70-130
Styrene	5.0		5.3	106	(70-130
Bromoform	5.0		5.7	114	(70-130
Isopropylbenzene	5.0		4.8	96	(70-130
1,1,2,2-Tetrachloroeth	5.0		5.2	104	(70-130
1,3-Dichlorobenzene	5.0		4.8	96	(70-130
1,4-Dichlorobenzene	5.0		5.1	102	(70-130
1,2-Dichlorobenzene	5.0		5.0	100	(70-130
1,2-Dibromo-3-chloropr	5.0		5.3	106	(70-130
1,2,4-trichlorobenzene	5.0		5.1	102	(70-130
1,2,3-Trichlorobenzene	5.0		5.8	116	(70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 51 outside limits

Comments:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK01

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG NO.: Y2435

Lab File ID: VF006751.D Lab Sample ID: VBF0502W2

Date Analyzed: 5/2/2007 Time Analyzed: 11:26

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSF0502W1	VF006752.D	12:03
VLCS02	BSF0502W2	VF006753.D	12:40
TB- 1	Y2435-01	VF006754.D	13:21
13	Y2435-02	VF006757.D	15:12

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLK01

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG NO.: Y2448

Lab File ID: VF006751.D Lab Sample ID: VBF0502W2

Date Analyzed: 5/2/2007 Time Analyzed: 11:26

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAF

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSF0502W1	VF006752.D	12:03
VLCS02	BSF0502W2	VF006753.D	12:40
TB-2	Y2448-01	VF006758.D	15:52
14	Y2448-02	VF006759.D	16:29
15	Y2448-04	VF006760.D	17:06
33	Y2448-06	VF006761.D	17:43
34	Y2448-08	VF006762.D	18:20
RB-1	Y2448-10	VF006763.D	18:57
38	Y2448-12	VF006764.D	19:34
27	Y2448-14	VF006765.D	20:11
100	Y2448-16	VF006766.D	20:49

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG NO.: Y2435

Lab File ID: VF006723.D BFB Injection Date: 5/1/2007

Instrument ID: MSVOAF BFB Injection Time: 11:11

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.1
75	30.0 - 66.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.4(0.5) 1
174	50.0 - 120.0% of mass 95	69.1
175	4.0 - 9.0% of mass 174	4.9 (7.0) 1
176	93.0 - 101.0% of mass 174	67.4 (97.9 1
177	5.0 - 9.0% of mass 176	4.9 (7.3 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTD0.50	0.5 PPB ICC	VF006724.D	5/1/2007	11:44
VSTD001	1 PPB ICC	VF006725.D	5/1/2007	12:22
VSTD005	5 PPB ICC	VF006726.D	5/1/2007	13:00
VSTD010	10 PPB ICC	VF006727.D	5/1/2007	13:37
VSTD025	25 PPB ICC	VF006728.D	5/1/2007	14:14

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG NO.: Y2435

Lab File ID: VF006748.D BFB Injection Date: 5/2/2007

Instrument ID: MSVOAF BFB Injection Time: 09:39

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.5
75	30.0 - 66.0% of mass 95	44.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.0
173	Less than 2.0% of mass 174	0.3(0.5) 1
174	50.0 - 120.0% of mass 95	55.6
175	4.0 - 9.0% of mass 174	3.8 (6.9) 1
176	93.0 - 101.0% of mass 174	54.5 (98.0) 1
177	5.0 - 9.0% of mass 176	3.5 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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 CCC	VF006749.D	5/2/2007	10:12
VBLK01	VBF0502W2	VF006751.D	5/2/2007	11:26
VLCS01	BSF0502W1	VF006752.D	5/2/2007	12:03
VLCS02	BSF0502W2	VF006753.D	5/2/2007	12:40
TB- 1	Y2435-01	VF006754.D	5/2/2007	13:21
13	Y2435-02	VF006757.D	5/2/2007	15:12

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG NO.: Y2448

Lab File ID: VF006748.D BFB Injection Date: 5/2/2007

Instrument ID: MSVOAF BFB Injection Time: 09:39

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.5
75	30.0 - 66.0% of mass 95	44.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.0
173	Less than 2.0% of mass 174	0.3(0.5) 1
174	50.0 - 120.0% of mass 95	55.6
175	5.0 - 9.0% of mass 174	3.8 (6.9) 1
176	93.0 - 101.0% of mass 174	54.5 (98.0) 1
177	5.0 - 9.0% of mass 176	3.5 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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 CCC	VF006749.D	5/2/2007	10:12
VBLK01	VBF0502W2	VF006751.D	5/2/2007	11:26
VLCS01	BSF0502W1	VF006752.D	5/2/2007	12:03
VLCS02	BSF0502W2	VF006753.D	5/2/2007	12:40
TB-2	Y2448-01	VF006758.D	5/2/2007	15:52
14	Y2448-02	VF006759.D	5/2/2007	16:29
15	Y2448-04	VF006760.D	5/2/2007	17:06
33	Y2448-06	VF006761.D	5/2/2007	17:43
34	Y2448-08	VF006762.D	5/2/2007	18:20
RB-1	Y2448-10	VF006763.D	5/2/2007	18:57
28	Y2448-12	VF006764.D	5/2/2007	19:34
27	Y2448-14	VF006765.D	5/2/2007	20:11
100	Y2448-16	VF006766.D	5/2/2007	20:49

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Instrument ID: MSVOAF Calibration Date/Time: 5/2/2007 10:12

Lab File ID: VF006749.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF005	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.489	0.526		7.6	
Chloromethane	0.272	0.269		-1.1	
Vinyl chloride	0.259	0.266	0.100	2.7	30.0
Bromomethane	0.211	0.176	0.100	-16.6	30.0
Chloroethane	0.142	0.155		9.2	
Trichlorofluoromethane	0.765	0.835		9.2	
1,1,2-Trichlorotrifluoroethane	0.634	0.641		1.1	
1,1-Dichloroethene	0.297	0.294	0.100	-1.0	30.0
Acetone	0.018	0.015		-16.7	
Carbon disulfide	0.825	0.790		-4.2	
Methyl tert-butyl Ether	0.462	0.453		-1.9	
Methyl Acetate	0.122	0.117		-4.1	
Methylene chloride	0.250	0.234		-6.4	
trans-1,2-Dichloroethene	0.319	0.310		-2.8	
1,1-Dichloroethane	0.522	0.544	0.200	4.2	30.0
Cyclohexane	0.555	0.550		-0.9	
2-Butanone	0.054	0.051		-5.6	
Carbon tetrachloride	0.763	0.826	0.100	8.3	30.0
cis-1,2-Dichloroethene	0.291	0.280		-3.8	
Bromochloromethane	0.124	0.119	0.050	-4.0	30.0
Chloroform	0.643	0.628	0.200	-2.3	30.0
1,1,1-Trichloroethane	0.942	0.933	0.100	-1.0	30.0
Methylcyclohexane	0.742	0.774		4.3	
Benzene	1.180	1.202	0.400	1.9	30.0
1,2-Dichloroethane	0.240	0.270	0.100	12.5	30.0
Trichloroethene	0.551	0.564	0.300	2.4	30.0
1,2-Dichloropropane	0.365	0.378		3.6	30.0
Bromodichloromethane	0.655	0.683	0.200	4.3	30.0
4-Methyl-2-pentanone	0.121	0.131		8.3	
Toluene	1.500	1.501	0.400	0.1	30.0
trans-1,3-Dichloropropene	0.431	0.440	0.100	2.1	30.0
cis-1,3-Dichloropropene	0.579	0.610	0.200	5.4	30.0
1,1,2-Trichloroethane	0.253	0.259	0.100	2.4	30.0
2-Hexanone	0.080	0.085		6.3	
Dibromochloromethane	0.410	0.429	0.100	4.6	30.0
1,2-Dibromoethane	0.312	0.299	0.100	-4.2	30.0
Tetrachloroethene	0.587	0.502	0.100	-14.5	30.0
Chlorobenzene	1.032	0.996	0.500	-3.5	30.0
Ethylbenzene	1.994	1.975		-1.0	30.0
m&p-xylenes	0.734	0.725		-1.2	30.0
o-xylene	0.670	0.647		-3.4	30.0
Styrene	1.044	1.009	0.300	-3.4	30.0
Bromoform	0.484	0.458	0.050	-5.4	30.0
Isopropylbenzene	2.153	2.239		4.0	

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Instrument ID: MSVOAF Calibration Date/Time: 5/2/2007 10:12

Lab File ID: VF006749.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF005	MIN RRF	%D	MAX%D
1,1,2,2-Tetrachloroethane	0.314	0.311	0.100	-1.0	30.0
1,3-Dichlorobenzene	1.612	1.606	0.400	-0.4	30.0
1,4-Dichlorobenzene	1.642	1.632	0.400	-0.6	30.0
1,2-Dichlorobenzene	1.358	1.367	0.400	0.7	30.0
1,2-Dibromo-3-chloropropane	0.098	0.097		-1.0	
1,2,4-trichlorobenzene	0.975	0.920		-5.6	30.0
1,2,3-Trichlorobenzene	0.778	0.653	0.200	-16.1	30.0
1,4-Difluorobenzene	1.000	1.000		0.0	30.0
Chlorobenzene-d5	1.000	1.000		0.0	30.0
1,4-Dichlorobenzene-d4	1.000	1.000		0.0	30.0
Vinyl Chloride-d3	0.283	0.300		6.0	
Chloroethane-d5	0.220	0.214		-2.7	
1,1-Dichloroethene-d2	0.698	0.730		4.6	
2-Butanone-d5	0.026	0.030		15.4	
Chloroform-d	0.656	0.723		10.2	
1,2-Dichloroethane-d4	0.235	0.260		10.6	30.0
Benzene-d6	1.255	1.342		6.9	
1,2-Dichloropropane-d6	0.470	0.502		6.8	
trans-1,3-Dichloropropene-d4	0.107	0.116		8.4	
Toluene-d8	1.318	1.412		7.1	30.0
2-Hexanone-d5	0.042	0.047		11.9	
1,1,2,2-Tetrachloroethane-d2	0.306	0.333		8.8	
Bromoform-d	0.369	0.465		26.0	
1,2-Dichlorobenzene-d4	0.898	0.954		6.2	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Instrument ID: MSVOAF Calibration Date/Time: 5/2/2007 10:12

Lab File ID: VF006749.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.489	0.526		7.6	
Chloromethane	0.272	0.269		-1.1	
Vinyl chloride	0.259	0.266	0.100	2.7	30.0
Bromomethane	0.211	0.176	0.100	-16.6	30.0
Chloroethane	0.142	0.155		9.2	
Trichlorofluoromethane	0.765	0.835		9.2	
1,1,2-Trichlorotrifluoroethane	0.634	0.641		1.1	
1,1-Dichloroethene	0.297	0.294	0.100	-1.0	30.0
Acetone	0.018	0.015		-16.7	
Carbon disulfide	0.825	0.790		-4.2	
Methyl tert-butyl Ether	0.462	0.453		-1.9	
Methyl Acetate	0.122	0.117		-4.1	
Methylene chloride	0.250	0.234		-6.4	
trans-1,2-Dichloroethene	0.319	0.310		-2.8	
1,1-Dichloroethane	0.522	0.544	0.200	4.2	30.0
Cyclohexane	0.555	0.550		-0.9	
2-Butanone	0.054	0.051		-5.6	
Carbon tetrachloride	0.763	0.826	0.100	8.3	30.0
cis-1,2-Dichloroethene	0.291	0.280		-3.8	
Bromochloromethane	0.124	0.119	0.050	-4.0	30.0
Chloroform	0.643	0.628	0.200	-2.3	30.0
1,1,1-Trichloroethane	0.942	0.933	0.100	-1.0	30.0
Methylcyclohexane	0.742	0.774		4.3	
Benzene	1.180	1.202	0.400	1.9	30.0
1,2-Dichloroethane	0.240	0.270	0.100	12.5	30.0
Trichloroethene	0.551	0.564	0.300	2.4	30.0
1,2-Dichloropropane	0.365	0.378		3.6	30.0
Bromodichloromethane	0.655	0.683	0.200	4.3	30.0
4-Methyl-2-pentanone	0.121	0.131		8.3	
Toluene	1.500	1.501	0.400	0.1	30.0
trans-1,3-Dichloropropene	0.431	0.440	0.100	2.1	30.0
cis-1,3-Dichloropropene	0.579	0.610	0.200	5.4	30.0
1,1,2-Trichloroethane	0.253	0.259	0.100	2.4	30.0
2-Hexanone	0.080	0.085		6.3	
Dibromochloromethane	0.410	0.429	0.100	4.6	30.0
1,2-Dibromoethane	0.312	0.299	0.100	-4.2	30.0
Tetrachloroethene	0.587	0.502	0.100	-14.5	30.0
Chlorobenzene	1.032	0.996	0.500	-3.5	30.0
Ethylbenzene	1.994	1.975		-1.0	30.0
m&p-xylenes	0.734	0.725		-1.2	30.0
o-xylene	0.670	0.647		-3.4	30.0
Styrene	1.044	1.009	0.300	-3.4	30.0
Bromoform	0.484	0.458	0.050	-5.4	30.0
Isopropylbenzene	2.153	2.239		4.0	

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Chemtech Contract: CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Instrument ID: MSVOAF Calibration Date/Time: 5/2/2007 10:12

Lab File ID: VF006749.D Init. Calib. Date(s): 5/1/2007 5/1/2007

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:14

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	RRF	RRF005	MIN RRF	%D	MAX%D
1,1,2,2-Tetrachloroethane	0.314	0.311	0.100	-1.0	30.0
1,3-Dichlorobenzene	1.612	1.606	0.400	-0.4	30.0
1,4-Dichlorobenzene	1.642	1.632	0.400	-0.6	30.0
1,2-Dichlorobenzene	1.358	1.367	0.400	0.7	30.0
1,2-Dibromo-3-chloropropane	0.098	0.097		-1.0	
1,2,4-trichlorobenzene	0.975	0.920		-5.6	30.0
1,2,3-Trichlorobenzene	0.778	0.653	0.200	-16.1	30.0
1,4-Difluorobenzene	1.000	1.000		0.0	30.0
Chlorobenzene-d5	1.000	1.000		0.0	30.0
1,4-Dichlorobenzene-d4	1.000	1.000		0.0	30.0
Vinyl Chloride-d3	0.283	0.300		6.0	
Chloroethane-d5	0.220	0.214		-2.7	
1,1-Dichloroethene-d2	0.698	0.730		4.6	
2-Butanone-d5	0.026	0.030		15.4	
Chloroform-d	0.656	0.723		10.2	
1,2-Dichloroethane-d4	0.235	0.260		10.6	30.0
Benzene-d6	1.255	1.342		6.9	
1,2-Dichloropropane-d6	0.470	0.502		6.8	
trans-1,3-Dichloropropene-d4	0.107	0.116		8.4	
Toluene-d8	1.318	1.412		7.1	30.0
2-Hexanone-d5	0.042	0.047		11.9	
1,1,2,2-Tetrachloroethane-d2	0.306	0.333		8.8	
Bromoform-d	0.369	0.465		26.0	
1,2-Dichlorobenzene-d4	0.898	0.954		6.2	

All other compounds must meet a minimum RRF of 0.010.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CONS02

Lab Code: CTECH Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Lab File ID: VF006749.D Date Analyzed: 5/2/2007

Instrument ID: MSVOAF Time Analyzed: 10:12

GC Column: RTX624 ID: 0.5 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1939931	8.44	1468124	14.35	784317	19.66
UPPER LIMIT	2715904	8.77	2055374	14.68	1098044	19.99
LOWER LIMIT	1163959	8.11	880874	14.02	470590	19.33
SAMPLE NO.						
VBLK01	1825623	8.45	1440617	14.35	784627	19.66
VLCS01	1874034	8.45	1538839	14.36	842876	19.66
VLCS02	1929568	8.45	1533574	14.36	877540	19.68
TB- 1	1918794	8.45	1464837	14.36	808578	19.65
13	1946258	8.45	1508649	14.36	815058	19.70

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CONS02

Lab Code: CTECH Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Lab File ID: VF006749.D Date Analyzed: 5/2/2007

Instrument ID: MSVOAF Time Analyzed: 10:12

GC Column: RTX624 ID: 0.5 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1939931	8.44	1468124	14.35	784317	19.66
UPPER LIMIT	2715904	8.77	2055374	14.68	1098044	19.99
LOWER LIMIT	1163959	8.11	880874	14.02	470590	19.33
SAMPLE NO.						
VBLK01	1825623	8.45	1440617	14.35	784627	19.66
VLCS01	1874034	8.45	1538839	14.36	842876	19.66
VLCS02	1929568	8.45	1533574	14.36	877540	19.68
TB-2	1813336	8.44	1422890	14.36	768651	19.66
14	1951927	8.45	1502619	14.37	821962	19.66
15	1932274	8.44	1487646	14.37	829663	19.65
33	1950168	8.45	1511603	14.36	833651	19.66
34	1809506	8.45	1397136	14.36	772932	19.65
RB-1	1811591	8.46	1456569	14.37	807067	19.66
28	1840273	8.44	1481197	14.37	802717	19.67
27	1820124	8.46	1479210	14.36	814591	19.66
100	1795013	8.47	1422891	14.36	781505	19.66

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

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

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

13

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Matrix (soil/water): WATER Lab Sample ID: Y2435-02

Level (low/med): LOW Date Received: 4/23/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

14

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-02

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

14

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-03

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

15

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-04

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
15

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-05

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

33

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-06

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	3.0	J		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

33

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-07

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
34

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-08

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	16.3			P

Color Before: Colourless Clarity Before: Cloudy Texture:

Color After: Yellow Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
34

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-09

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-10

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB-1

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-11

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

28

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-12

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	151			P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

28

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-13

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	163			P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

27

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-14

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	8.5			P
7439-92-1	Lead	6.2			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

27

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-15

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	7.1			P
7439-92-1	Lead	3.6			P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
100

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-16

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	149			P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

100

Lab Name: Chemtech Consulting Group Contract: Construction Ser

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Lab Sample ID: Y2448-17

Level (low/med): LOW Date Received: 4/24/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-43-9	Cadmium	154			P
7439-92-1	Lead	1.0	U		P

Color Before: Colourless Clarity Before: Clear Texture:

Color After: Colourless Clarity After: Clear Artifacts:

Comments:

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cadmium	494.0	526.88	106.7	2500.0	2608.75	104.4	2673.31	106.9	P
Lead	996.0	1073.66	107.8	5000.0	5164.58	103.3	5302.84	106.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Initial Calibration Source: EPA-ICV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cadmium				2500.0	2615.25	104.6	2578.65	103.1	P
Lead				5000.0	5197.16	103.9	5121.15	102.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

AA CRDL Standard Source:

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				5.0	5.07	101.4	4.18	83.6
Lead				10.0	8.28	82.8	9.29	92.9

Control Limits: no limits have been established by EPA at this time

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

AA CRDL Standard Source:

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Cadmium				5.0			3.77	75.4
Lead				10.0			9.93	99.3

Control Limits: no limits have been established by EPA at this time

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Lead	1.0	U	1.0	U	1.4	J	2.8	J	-1.140	J	P

3

BLANKS

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cadmium			1.0	U							P
Lead			1.0	U							P

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	871	-2.4	949	109.0	-3.2	954	109.5
Lead	0	47	3.1	53.8	114.5	2.1	51.4	109.4

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 ICS Source: EPA

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium	0	871				-3.2	1030	118.3
Lead	0	47				0.51	54.7	116.4

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

13S

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cadmium	75 - 125	56.5600		1.0000	U	50.00	113.1		P
Lead	75 - 125	18.1800		1.0000	U	20.00	90.9		P

Comments:

6

DUPLICATES

SAMPLE NO.

13D

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cadmium		1.0000	U	1.0000	U			P
Lead		1.0000	U	1.0000	U			P

7

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Solid LCS Source:

Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cadmium	494.0	522.56	105.8						
Lead	996.0	1060.74	106.5						

9
ICP SERIAL DILUTIONS

SAMPLE NO.

13L

Lab Name: Chemtech Consulting Group Contract: Constructio

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Cadmium	1.00	U	5.00	U			P
Lead	1.00	U	5.00	U			P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 Date: 1/4/2007

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	MDL (ug/L)	M
Cadmium	226.50		5	1.0	P
Lead	220.35		3	1.0	P

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0031000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0005100
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0129000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		As	Ba	Be	Cd	Co
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0001000	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0002000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0022000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	K	Mn	Na
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000700	0.0000000	0.0002000	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0002000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	Pb	Sb	Se	Tl
Aluminum	308.20	0.0000000	0.0005300	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0037800	0.0000000	0.0000000
Cobalt	228.60	0.0002000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0001000	0.0002000	0.0000500	0.0000600	-0.0000400
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0001200	0.0000000	0.0004200	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000890	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.0000500	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 Date: 4/5/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.20	0.0000000	0.0000000			
Antimony	206.80	0.0000000	0.0000000			
Arsenic	189.00	0.0000000	0.0000000			
Barium	493.40	0.0000000	0.0000000			
Beryllium	313.00	0.0000000	0.0000000			
Cadmium	226.50	0.0000000	0.0000000			
Calcium	317.90	0.0000000	0.0000000			
Chromium	267.70	-0.0018200	0.0000000			
Cobalt	228.60	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0006000			
Iron	271.40	-0.0000400	0.0006000			
Lead	220.40	0.0000000	0.0000000			
Magnesium	279.00	0.0000000	0.0000000			
Manganese	257.60	0.0000000	0.0000000			
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.50	0.0000000	0.0000000			
Selenium	196.00	0.0000000	0.0000000			
Silver	328.00	0.0000000	0.0000000			
Sodium	588.90	0.0000000	0.0000000			
Thallium	190.90	0.0000000	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	206.20	0.0000000	0.0000000			

Comments:

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

ICP ID Number: P1 Date: 4/5/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Cadmium	10.00	50000.0	P
Lead	10.00	100000.0	P

Comments:

13

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
13	4/26/2007	100.0	100.0
13	4/26/2007	100.0	100.0
13D	4/26/2007	100.0	100.0
13S	4/26/2007	100.0	100.0
PB26348BL	4/26/2007	100.0	100.0
PB26348BS	4/26/2007	100.0	100.0

13

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Method: P

EPA Sample No.	Preparation Date	Initial Volume mL	Volume (mL)
100	4/26/2007	100.0	100.0
100	4/26/2007	100.0	100.0
13D	4/26/2007	100.0	100.0
13S	4/26/2007	100.0	100.0
14	4/26/2007	100.0	100.0
14	4/26/2007	100.0	100.0
15	4/26/2007	100.0	100.0
15	4/26/2007	100.0	100.0
27	4/26/2007	100.0	100.0
27	4/26/2007	100.0	100.0
28	4/26/2007	100.0	100.0
28	4/26/2007	100.0	100.0
33	4/26/2007	100.0	100.0
33	4/26/2007	100.0	100.0
34	4/26/2007	100.0	100.0
34	4/26/2007	100.0	100.0
PB26348BL	4/26/2007	100.0	100.0
PB26348BS	4/26/2007	100.0	100.0
RB-1	4/26/2007	100.0	100.0
RB-1	4/26/2007	100.0	100.0

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Instrument ID Number: P1 Method: P

Start Date: 5/3/2007 End Date: 5/3/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1636							X						X												
S	1.00	1639							X						X												
ICV01	1.00	1642							X						X												
ICB01	1.00	1644							X						X												
CRI01	1.00	1647							X						X												
ICS-A01	1.00	1649							X						X												
ICS-AB01	1.00	1652							X						X												
CCV01	1.00	1653							X						X												
CCB01	1.00	1657							X						X												
PB26348BL	1.00	1659							X						X												
PB26348BS	1.00	1700							X						X												
13	1.00	1703							X						X												
13D	1.00	1705							X						X												
13L	5.00	1707							X						X												
13S	1.00	1708							X						X												
13	1.00	1710							X						X												
ZZZZZZ	1.00	1714																									
ZZZZZZ	1.00	1716																									
ZZZZZZ	1.00	1718																									
CCV02	1.00	1720							X						X												
CCB02	1.00	1722							X						X												
ZZZZZZ	1.00	1724																									
ZZZZZZ	1.00	1726																									
ZZZZZZ	1.00	1728																									
ZZZZZZ	1.00	1730																									
ZZZZZZ	1.00	1732																									
ZZZZZZ	1.00	1734																									
ZZZZZZ	1.00	1736																									
CRI02	1.00	1741							X						X												
ICS-A02	1.00	1743							X						X												
ICS-AB02	1.00	1745							X						X												
CCV03	1.00	1747							X						X												
CCB03	1.00	1749							X						X												
ZZZZZZ	1.00	1755																									
ZZZZZZ	1.00	1757																									
ZZZZZZ	1.00	1800																									
ZZZZZZ	1.00	1803																									
ZZZZZZ	1.00	1806																									

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2435 SAS No.: Y2435 SDG No.: Y2435

Instrument ID Number: P1 Method: P

Start Date: 5/3/2007 End Date: 5/3/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1809																									
CRI03	1.00	1811							X						X												
ICS-A03	1.00	1813							X						X												
ICS-AB03	1.00	1815							X						X												
CCV04	1.00	1821							X						X												
CCB04	1.00	1823							X						X												

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ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: Construction Services Int.

Lab Code: CHEMED Case No.: Y2448 SAS No.: Y2448 SDG No.: Y2448

Instrument ID Number: P1 Method: P

Start Date: 5/3/2007 End Date: 5/3/2007

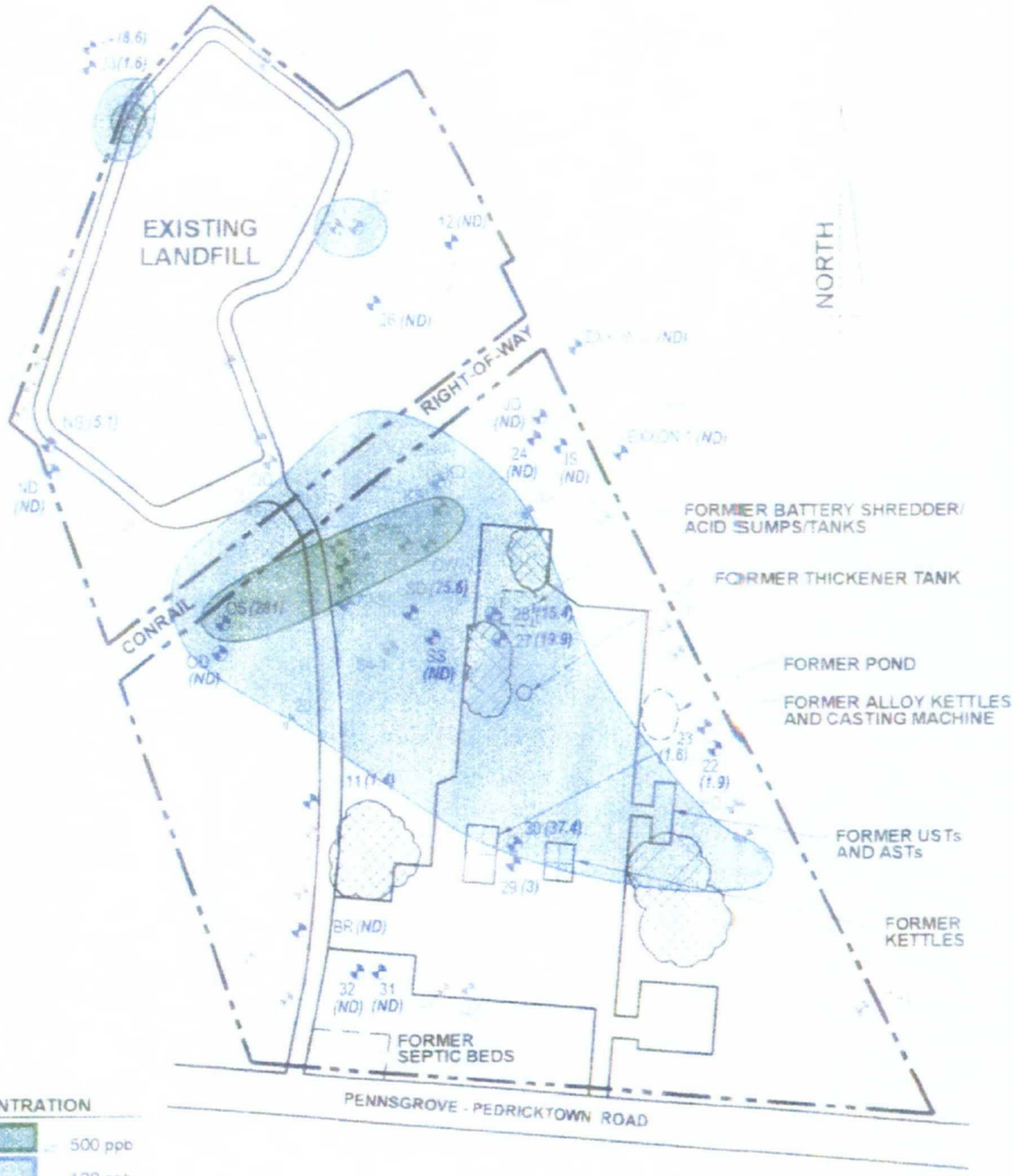
EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1636							X						X												
S	1.00	1639							X						X												
ICV01	1.00	1642							X						X												
ICB01	1.00	1644							X						X												
CRI01	1.00	1647							X						X												
ICS-A01	1.00	1649							X						X												
ICS-AB01	1.00	1652							X						X												
CCV01	1.00	1653							X						X												
CCB01	1.00	1657							X						X												
PB26348BL	1.00	1659							X						X												
PB26348BS	1.00	1700							X						X												
ZZZZZZ	1.00	1703																									
13D	1.00	1705							X						X												
13L	5.00	1707							X						X												
S	1.00	1708							X						X												
ZZZZZZ	1.00	1710																									
14	1.00	1714							X						X												
14	1.00	1716							X						X												
15	1.00	1718							X						X												
CCV02	1.00	1720							X						X												
CCB02	1.00	1722							X						X												
15	1.00	1724							X						X												
33	1.00	1726							X						X												
33	1.00	1728							X						X												
34	1.00	1730							X						X												
34	1.00	1732							X						X												
RB-1	1.00	1734							X						X												
RB-1	1.00	1736							X						X												
CRI02	1.00	1741							X						X												
ICS-A02	1.00	1743							X						X												
ICS-AB02	1.00	1745							X						X												
CCV03	1.00	1747							X						X												
CCB03	1.00	1749							X						X												
27	1.00	1755							X						X												
27	1.00	1757							X						X												
100	1.00	1800							X						X												
[illegible]	1.00	1803							X						X												
28	1.00	1806							X						X												

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group
Contract: Construction Services Int.
Lab Code: CHEMED
Case No.: Y2448
SAS No.: Y2448
SDG No.: Y2448
Instrument ID Number: P1
Method: P
Start Date: 5/3/2007
End Date: 5/3/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
28	1.00	1809							X						X												
CRI03	1.00	1811							X						X												
ICS-A03	1.00	1813							X						X												
ICS-AB03	1.00	1815							X						X												
CCV04	1.00	1821							X						X												
CCB04	1.00	1823							X						X												

APPENDIX C
Historic Lead and Cadmium Distribution



LEAD CONCENTRATION

100 ppb — 500 ppb

10 ppb — 100 ppb

LEGEND

	WELL & DESIGNATION (NOT SAMPLED)
CR1	WELL & DESIGNATION (SAMPLED)
(18)	LEAD CONCENTRATION (PPB)
(ND)	NOT DETECTED
	FORMER SLAG PILE LOCATION

300 150 0 300

APPROXIMATE SCALE IN FEET

NOTE: ISOCONCENTRATION CURVES SHOWN ARE A REPRESENTATIVE COMPOSITE OF DATA FROM SHALLOW AND DEEP WELLS IN THE UNCONFINED AQUIFER

Total Lead Concentrations in the Unconfined Aquifer - 1998

NL Industries Site
Pedricktown, New Jersey

GEOSYNTEC CONSULTANTS
COLUMBIA, MARYLAND

FIGURE NO.	7-6
PROJECT NO.	ME0015-15
DOCUMENT NO.	-
FILE NO.	phs2-L98

CADMIUM CONCENTRATION

100 ppb ≤	< 500 ppb
10 ppb ≤	< 100 ppb
4 ppb ≤	< 10 ppb

LEGEND

	WELL & DESIGNATION (NOT SAMPLED)
CR2	WELL & DESIGNATION (SAMPLED)
(8)	CADMIUM CONCENTRATION (PPB)
(ND)	NOT DETECTED
	FORMER SLAG PILE LOCATION

300 150 0 300

APPROXIMATE SCALE IN FEET

NOTE: ISOCONCENTRATION CURVES SHOWN ARE A REPRESENTATIVE COMPOSITE OF DATA FROM SHALLOW AND DEEP WELLS IN THE UNCONFINED AQUIFER.

Total Cadmium Concentrations in the Unconfined Aquifer - 1998

NL Industries Site
Pedricktown, New Jersey

GEOSYNTEC CONSULTANTS
COLUMBIA, MARYLAND

FIGURE NO.	7-13
PROJECT NO.	ME0015-15
DOCUMENT NO.	-
FILE NO.	phs2-C98