EnviroGroup Limited
The environmental solutions company

DC-0703

October 22, 2010

Mr. Bill Harris
General Manager
DeLuxe Cleaners and Tailors
1614 House Avenue
Cheyenne, WY 82001

Re: Results of Soil Vapor and Groundwater Investigation
DeLuxe Cleaners and Tailors
Cheyenne, WY

Dear Mr. Harris:

EnviroGroup Limited (EnviroGroup) is pleased to present the results of the Limited Soil Vapor and Groundwater Investigation conducted by EnviroGroup at 1614 House Avenue in Cheyenne, Wyoming (Site). The objective of the investigation was to collect soil vapor samples and an up-gradient groundwater sample to evaluate the nature and extent of the tetrachloroethene (PCE) plume previously identified by Terracon and to evaluate the potential for vapor intrusion in building(s) adjacent to the Site. The investigation was conducted September 20, 2010 through September 22, 2010 according to the terms of our proposal and agreement dated July 23, 2010, and approved on September 14, 2010.

The following sections of this letter describe investigation procedures, investigation results, and data evaluation and recommendations.

Investigation Procedures

Soil vapor and groundwater investigation and analytical procedures used at the Site are described below. All procedures were conducted in accordance with EnviroGroup Standard Operating Procedures (SOPs) provided in our proposal as Attachments 1, 2, and 3.

Soil Vapor Investigation Procedures

Prior to drilling activities, EnviroGroup personnel contacted One Call of Wyoming to locate on and off-site underground utilities at each proposed borehole location. On September 20, 2010, six permanent soil vapor probes were installed to evaluate the nature and extent of the PCE plume and evaluate potential for vapor intrusion. Two of the soil vapor locations (ESV-01 and ESV-02) were selected based on their proximity to the suspected buried solvent tank location to provide potential source area data. ESV-04 was installed in the center of the alley to provide data to assess the potential for vapor intrusion in the buildings to the south of the Site. Locations for soil vapor probes ESV-03, ESV-05, and ESV-06 were selected to

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evaluate the extent of the plume to the east, west, and south of the Site based on July 2007 groundwater PCE data. Soil vapor probe locations are shown on Figure 1.

Boreholes were drilled by Site Services, Inc. under the oversight of EnviroGroup personnel, from ground surface to an approximate depth of 5 feet below ground surface (bgs) using a direct-push rig (i.e. Geoprobe®). Upon completion of drilling activities and using freshly-gloved hands, each soil vapor probe assembly was immediately placed into the borehole by EnviroGroup personnel. All soil vapor probes were constructed using 0.25 inch inner diameter (I.D.) by 6 inch long stainless steel screens connected to 0.25 inch outer diameter (O.D.) Nylaflow® tubing. Screens were placed at the desired sampling depth (typically in the middle of the sampling zone as described below) and the tubing extended up to center of the borehole to approximately 6 inches above ground surface and fitted with an air-tight valve. Screens were placed in the soil vapor sampling zone (typically one foot in length) at the bottom of the borehole. Each screen was centered within the sampling zone and the annulus surrounding the screen was backfilled with approximately one foot of silica sand (i.e., 60 – 120 sieve size) then sealed with bentonite seal. The granular bentonite seal was installed in nominal 8 inch lifts (with distilled water hydration following each lift) to a height of approximately two feet above the silica sand. The remaining annulus was then backfilled to grade with granular bentonite, installed in hydrated 8 inch lifts. A five inch diameter flush-mount well vault was concreted around the top of each soil vapor probe to minimize infiltration of water and outdoor air.

Soil Vapor Sampling and Analysis Procedures

On September 21, 2010, six soil vapor samples (ESV-01 through ESV-06) and one field duplicate sample (ESV-05 DUP) were collected from six soil vapor probes to evaluate the nature and extent of PCE and trichloroethylene (TCE) at the Site. A mobile laboratory provided by Hartman Mobile Geosciences was utilized to provide real-time laboratory analysis of PCE and TCE in soil vapor samples. One soil vapor sample (ESV-04 REP) was collected as a replicate sample concurrently with the mobile lab samples for fixed-based volatile organic compound (VOC) laboratory analysis to demonstrate comparability of sample results and to screen for the presence of breakdown products.

Soil vapor samples were collected in the field using current state of the art procedures. Each soil vapor probe was not disturbed for a minimum of 24 hours prior to sampling. During soil vapor sampling activities, a clean, small plastic shroud with two small ports was placed over the each soil vapor probe and weighted down. An air-tight seal of foam was placed on the ground surface around the edge of the shroud where it contacted the ground. The soil vapor probe tube, fitted with an air-tight valve, was extended up through the air-tight seal to the exterior side of the shroud. A tedlar bag was attached to one side of the valve and the glass sampling syringe was attached to the other side of the valve outside of the shroud.

Prior to purging or sampling activities, helium tracer gas was released via a small diameter tube through a port in the shroud into the enclosure beneath the shroud to a minimum concentration of 10,000 parts per million (ppm). A sample of the air inside the shroud was

measured through the second port using a portable helium detector to determine the concentration of helium within the enclosure beneath the shroud. Three purge volumes (calculated based on the volume of probe, tubing and screen) were purged at a flow rate of 0.1 liters per minute through the shroud into a 60 milliliter (mL) calibrated glass-tight syringe and transferred to the tedlar bag. The tedlar bag was then connected to a portable helium detector to measure for the presence of helium gas in the purged vapors. If high concentrations (>10% of the shroud concentration) of helium were observed in the purge vapor, the soil vapor probe seal was checked and/or enhanced to reduce the infiltration of ambient air into the enclosure and another sample collected. If helium concentrations were less than 10%, a soil vapor sample was collected for analysis. Tracer test results measured indicated minimal tracer gas breakthrough (<10% of the shroud concentration). Based on this observation, it is assumed that all soil vapor probes were properly installed and representative soil vapor samples were collected. Upon completion of sampling activities all soil vapor probes were closed and secured.

Soil vapor samples collected for mobile laboratory analysis were collected at flow rates of less than 0.1 liters per minute utilizing clean, 30 mL glass syringe supplied and certified clean to reporting limits by Dr. Hartman of Hartman Mobile Geosciences. A fixed-based laboratory replicate soil vapor sample (i.e., ESV-04 REP) was collected concurrently with a mobile lab sample over approximately a 10 minute time period, utilizing a dedicated, laboratory-set regulator and 6 liter Summa® canister supplied and certified clean (i.e., batch certification) to reporting limit levels by TestAmerica Laboratories (TestAmerica), a National Environmental Laboratory Accreditation Conference (NELAC)-certified laboratory. The canister had an initial field vacuum reading of 24.35 inches of mercury (Hg) prior to sampling and had a final field vacuum reading of 10.15 inches of Hg upon the completion of sample collection.

The mobile laboratory utilizes gas chromatography-mass spectroscopy (GC/MS) and completed soil vapor analysis for PCE and TCE only utilizing USEPA Method 8021 with nominal reporting limits (RLs) of 10 micrograms per cubic meter ($\mu g/m^3$) and 15 $\mu g/m^3$, respectively. The replicate sample was shipped to TestAmerica within two days of sampling so that no sample exceeded the 30-day holding time for the method and analyzed for VOCs by USEPA Method TO-15 with nominal RL of 1.6 $\mu g/m^3$ or less, unless dilution or matrix interference unavoidably resulted in higher RLs. Full chain of custody documentation was maintained for the canister from time of shipping from the laboratory to the time of analysis.

One ambient air sample (A1-1) was collected during soil vapor sampling to provide information on potential background concentrations of PCE and TCE due to ambient air. The sample was collected in an upwind location, approximately five feet above ground surface on the southwest side of Carl's Jr. Restaurant utilizing a clean, 30 mL glass syringe, and analyzed by Dr. Hartman.

Information collected during soil vapor sampling activities was recorded onto a Soil Vapor Collection Log provided in Attachment A.

Groundwater Investigation Procedures

Well Installation
Prior to drilling activities, EnviroGroup personnel contacted One Call of Wyoming to locate off-site underground utilities at the proposed borehole location. On September 20, 2010 one groundwater monitoring well (EMW-01) was installed upgradient (to the northeast) of the Site as shown on Figure 1. The groundwater monitoring well was installed by Site Services, Inc. under the oversight of EnviroGroup personnel, from ground surface to a depth of 25 feet bgs using a direct-push rig (i.e., Geoprobe®). Immediately upon completion of borehole advancement, a groundwater monitoring well (EMW-01) was installed. EMW-01 was constructed with 2 inch I.D., schedule 40 flush joint threaded PVC material. The well screen was 10 feet in length with a slot size of 0.020 inch. The filter material (10/20 Colorado Silica Sand) was placed in the annulus of the borehole to a level of approximately 2 feet above the top of the screen interval. Following installation of the filter material, a bentonite seal (bentonite chips) was placed on top of the filter material to a minimum thickness of two feet. Distilled water was added to ensure proper hydration of the bentonite. Additional bentonite chips were placed in the annular space to approximately one-half foot bgs and hydrated. The monitoring well was completed with an eight inch diameter flush-mount well vault.

The monitoring well was constructed in accordance with applicable Wyoming Department of Environmental Quality (DEQ) groundwater rules and regulations (Chapter 11, Part G – Well Construction and Abandonment) and EnviroGroup SOPs. The borehole log and monitor well construction details for EMW-01 are provided in Attachment A.

Well Development
Prior to groundwater sampling activities, the newly installed monitoring well was developed on September 21, 2010 utilizing a 3 foot weighted slug and 1.5 inch dedicated, disposable polyethylene bailer and nylon rope. Prior to well development, the static water level was measured using an electronic water-sensing probe to allow calculation of the wetted casing volume (i.e., the volume of groundwater standing in the casing under steady-state conditions). The wetted casing volume was calculated based on the static water level, well diameter (2 inch), and well depth. Following recording of the water level, EMW-01 was developed by surging the water column with a bailer to flush the fine particles from the sand filter surrounding the well screen. Development continued by purging the suspended particulates from the well casing. Surging and purging continued until the well was purged dry. Since the well was completed in a fine-grained formation, the removal of as few as three to five wetted casing volumes is sufficient, since the primary goal in such wells is to flush the sand filter. Purge water was transferred into a 55 gallon drum and placed behind the Deluxe Cleaners building pending analytical results. Information collected during well development activities was recorded onto a Well Development Record form and is provided in Attachment A.

Groundwater Sample Collection
Upon completion of monitoring well development activities, EMW-01 was allowed to rest a minimum of 12 hours to recharge after being bailed dry. A groundwater sample (EMW-01)

was collected on September 22, 2010 utilizing a 1.5 inch diameter dedicated, disposable polyethylene bailer and nylon rope. Groundwater in the bailer was quickly transferred into clean, laboratory-supplied containers using a low-flow sampling tip. Field water quality parameters: pH, temperature, specific conductance, oxidation-reduction potential (REDOX), and dissolved oxygen (DO) were measured in-situ using a calibrated field meter and recorded on a Field Water Quality Sampling and Analysis Form provided in Attachment A. The sample containers were labeled, logged onto chain of custody documents, and stored on ice for submittal to TestAmerica in Arvada, Colorado for analysis using USEPA Method 8260B. One laboratory supplied trip blank was also submitted with the sample for quality assurance/quality control (QA/QC) purposes. Purge water was transferred into a 55 gallon drum and placed behind the Deluxe Cleaners building pending analytical results.

Investigation Results

The results of soil vapor and groundwater sampling and analyses are described below.

Soil Vapor Results

Soil vapor analytical results indicate the presence of PCE in four soil vapor samples and one replicate sample above the DEQ screening level of 810 $\mu g/m^3$ and ranged from 9,400 $\mu g/m^3$ to greater than 900,000 $\mu g/m^3$. The PCE screening level was calculated based on the 1×10^{-5} target residential indoor air concentration risk level of 8.1 $\mu g/m^3$ from the 2002 EPA OSWER Draft Vapor Intrusion Guidance (EPA, 2002), with an assumed attenuation factor of 0.01 from shallow soil gas to indoor air. PCE was detected below the screening level in the remaining probes.

Additionally, soil vapor analytical results indicate the presence of TCE in four soil vapor samples and one replicate sample above the DEQ screening level of 90 $\mu g/m^3$. TCE concentrations ranged from 280 $\mu g/m^3$ to greater than 206,000 $\mu g/m^3$. The TCE screening level was calculated based on an residential indoor air target level of 0.9 $\mu g/m^3$ (thirteen times lower than the current EPA 10^{-5} risk level for TCE, based on the 90th percentile of background indoor air concentrations) with assumed attenuation factor of 0.01 for shallow soil vapor to indoor air. TCE was detected below the DEQ screening level in ESV-06 and not detected at the RL in ESV-05 or ESV-05DUP.

PCE and TCE were not detected in ambient air sample A1-1 at RLs of 10 $\mu g/m^3$ and 15 $\mu g/m^3$, respectively.

Soil vapor results are summarized on Table 1 and PCE concentrations are shown on Figure 1. Laboratory analytical data is provided in Attachment B.

Groundwater Results

One groundwater sample (EMW-01) and one laboratory prepared trip blank (TB092210) were collected for VOC analysis. A summary of laboratory analytical results indicates that

PCE was not detected at the laboratory RL of 1 microgram per liter (µg/L) in EMW-01 and does not exceed the EPA Primary Drinking Water Standard Maximum Contaminant Level (EPA MCL) (EPA, 2009) and DEQ Groundwater Cleanup Level (DEQ GCL) (DEQ VRP Fact Sheet #13, 2009) of 5 µg/L. 4-Methyl-2-Pentanone (MIBK) was detected above the laboratory method detection limit (MDL) but below the RL and qualified "J" as an estimated value. All other compounds were not detected at the RL.

Groundwater analytical results are summarized on Table 2 and PCE concentrations are shown on Figure 1. Laboratory analytical data is provided in Attachment C.

Data Evaluation and Recommendations

Soil Vapor

Soil vapor analytical results indicate concentrations of PCE and TCE exceeding DEQ screening levels of 810 µg/m^3 and 90 µg/m^3, respectively. Screening levels are generally considered "conservative" and exceedances do not necessarily indicate the presence of unacceptable human health risk; however, exceedances indicate the need for further site-specific evaluation.

Elevated concentrations of PCE and TCE at locations ESV-01 and ESV-02 indicate a VOC source area likely originating from the suspected buried solvent tank as shown on Figure 1 of the Work Plan for Limited Site Area Characterization and Source Area Remediation (Work Plan) (Terracon, 2009). Additionally, elevated PCE and TCE soil vapor concentrations in ESV-03 and ESV-04 indicate that the building to the south of the Site (Carl's Jr. Restaurant) may be impacted by the soil vapor contamination. Therefore, EnviroGroup recommends that a focused indoor air investigation program be implemented to further assess the vapor intrusion pathway near the Site and additional soil vapor sampling be conducted to further delineate plume boundaries.

EnviroGroup recommends indoor air and sub-slab sampling in the Carl's Jr. Restaurant south of the Site. To further evaluate the nature and extent of PCE in soil vapor, additional soil vapor sample locations to the northwest, north and east of the Site along East 17th Street and House Avenue, to the south along East Lincoln Way, and west along Warren Avenue are recommended. Based on current data and groundwater flow directions, we do not expect elevated vapor concentrations to extend far in these directions. Additional indoor air and sub-slab testing may be recommended in near-by properties as the PCE plume becomes more defined.

Groundwater

Groundwater near the Site is reported to flow to the southwest as shown on Figure 1 of the Terracon Work Plan (Terracon, 2009). Historical groundwater analytical results indicate PCE concentrations exceeding the EPA MCL and DEQ GCL of 5 µg/L in down-gradient wells MW-01, MW-02, MW-03, MW-04, MW-06 and MW-07. PCE was detected below the

EPA MCL and DEQ GCL in MW-05 and was not detected in up-gradient monitoring well EMW-01. Groundwater data indicate that the extent of the plume has been identified northeast and southeast of the Site; however, the extent of PCE above the EPA MCL and DEQ GCL in shallow groundwater northwest, west, and south of the Site is not defined. As a result, EnviroGroup recommends that additional groundwater monitoring wells be installed for the purposes of evaluating groundwater flow direction and assessing VOC concentrations to further delineate the PCE and TCE plume boundaries.

Suspected Solvent Tank

As reported in the Terracon Work Plan (Terracon, 2009), and shown on Figure 1, a historic buried solvent tank may exist on the west corner of the DeLuxe Cleaners building. If this tank currently exists, it may function as a residual source for VOC groundwater impacts. Therefore, EnviroGroup recommends the existence of the tank be investigated using sub-surface investigation techniques and/or the use of ground penetrating radar (GPR).

We appreciate this opportunity to be of service to you.

Sincerely,
EnviroGroup Limited

M. Litasi

Martina K. Litasi
Project Manager

David J. Folkes, P.E.
Principal

Attachments

Table 1. Soil Vapor Analytical Results – September 2010
Table 2. Groundwater Analytical Results – September 2010
Figure 1. Site Map with Groundwater and Soil Vapor Results
Attachment A – Field Forms
Attachment B – Soil Vapor Laboratory Reports
Attachment C – Groundwater Laboratory Report

TABLES

TABLE 1

Soil Vapor Analytical Results - September 2010

DeLuxe Cleaners Site
Cheyenne, WY

Analytical Parameter	WDEQ Soil Vapor Screening Level	Sample ID	ESV-01	ESV-02	ESV-03	ESV-04	ESV-04 REP	ESV-05	ESV-05 DUP	ESV-06	A1-1
		Sample Date	9/21/2010	9/21/2010	9/21/2010	9/21/2010	9/21/2010	9/21/2010	9/21/2010	9/21/2010	9/21/2010
		Units									
1,1-Dichloroethene	---	µg/m^3	---	---	---	---	<41	---	---	---	---
cis-1,2-Dichloroethene	---	µg/m^3	---	---	---	---	<41	---	---	---	---
Tetrachloroethylene (PCE)	810	µg/m^3	**>900,000**	**>350,000**	**>24,000**	**9,400**	**9,600**	**346**	**282**	**147**	<10
Trichloroethene (TCE)	90	µg/m^3	**>206,000**	**92,000**	**464**	**330**	**280**	<15	<15	**51**	<15
Vinyl chloride	---	µg/m^3	---	---	---	---	<53	---	---	---	---

Notes:

1) WDEQ Soil Vapor Screening Level - PCE screening level was calculated based on the 1x10^{-5} target residential indoor air concentration risk level of 8.1 µg/m^3 from the 2002 EPA OSWER Draft Vapor Intrusion Guidance (EPA, 2002), with an assumed attenuation factor of 0.01 from shallow soil gas to indoor air. TCE screening level was calculated based on an estimated 1x10-5 target residential indoor air concentration risk level of 0.9 µg/m3 (thirteen times lower than the current EPA 10-5 risk level for TCE) with an assumed attenuation factor of 0.01 for shallow soil vapor to indoor air.

2) A1-1 - Ambient Air sample collected for data quality assurance purposes.

3) µg/m^3 - Micrograms per cubic meter.

4) --- - Not available or not analyzed.

5) < - Not detected at the reporting limit (RL).

6) **Bold** - Detected Result.

7) Yellow Highlight - Result exceeds the WDEQ Soil Vapor Screening Level.

8) Samples analyzed by Hartman Environmental Geoscience Mobile Lab via Method 8021.

9) Replicate (REP) samples analyzed by Test America Laboratories via Method TO-15.

TABLE 2

Groundwater Analytical Results - September 2010

DeLuxe Cleaners Site
Cheyenne, WY

Analytical Parameter	WDEQ Groundwater Cleanup Levels	EPA MCL	Sample ID	EMW-01
			Sample Date	9/22/2010
			Units	
1,1,1,2-Tetrachloroethane	3.27	---	ug/L	<1
1,1,1-Trichloroethane	200	200	ug/L	<1
1,1,2,2-Tetrachloroethane	0.425	---	ug/L	<1
1,1,2-Trichloroethane	5	5	ug/L	<1
1,1-Dichloroethane	7,290	---	ug/L	<1
1,1-Dichloroethene	7	7	ug/L	<1
1,1-Dichloropropene	---	---	ug/L	<1
1,2,3-Trichlorobenzene	---	---	ug/L	<1
1,2,3-Trichloropropane	219	---	ug/L	<2.5
1,2,4-Trichlorobenzene	70	70	ug/L	<1
1,2,4-Trimethylbenzene	365	---	ug/L	<1
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.2	ug/L	<5
1,2-Dibromoethane (EDB)	0.05	0.05	ug/L	<1
1,2-Dichlorobenzene	600	600	ug/L	<1
1,2-Dichloroethane	5	5	ug/L	<1
1,2-Dichloroethene (total)	---	---	ug/L	<1
1,2-Dichloropropane	5	5	ug/L	<1
1,3,5-Trimethylbenzene	1,820	---	ug/L	<1
1,3-Dichlorobenzene	320	---	ug/L	<1
1,3-Dichloropropane	729	---	ug/L	<1
1,4-Dichlorobenzene	75	75	ug/L	<1
2,2-Dichloropropane	---	---	ug/L	<1
2-Butanone (MEK)	21,900	---	ug/L	<6
2-Chlorotoluene	729	---	ug/L	<1
2-Hexanone	---	---	ug/L	<5
4-Chlorotoluene	2,550	---	ug/L	<1
4-Isopropyltoluene	---	---	ug/L	<1
4-Methyl-2-pentanone	2,920	---	ug/L	**1.7** J
Acetone	32,800	---	ug/L	<10
Benzene	5	5	ug/L	<1
Bromobenzene	729	---	ug/L	<1
Bromochloromethane	---	---	ug/L	<1
Bromodichloromethane	80	80	ug/L	<1
Bromoform	80	80	ug/L	<1
Bromomethane	51	---	ug/L	<2
Carbon tetrachloride	5	5	ug/L	<1
Chlorobenzene	100	100	ug/L	<1
Chloroethane	---	---	ug/L	<2
Chloroform	80	80	ug/L	<1
Chloromethane	5	---	ug/L	<2
cis-1,2-Dichloroethene	70	70	ug/L	<1
cis-1,3-Dichloropropene	---	---	ug/L	<1
Dibromochloromethane	80	80	ug/L	<1
Dibromomethane	365	---	ug/L	<1
Dichlorodifluoromethane	7,290	---	ug/L	<2
Ethylbenzene	700	700	ug/L	<1
Hexachlorobutadiene	1.09	---	ug/L	<1
Isopropylbenzene	3,600	---	ug/L	<1
Methyl tert-butyl ether	47.3	---	ug/L	<5
Methylene chloride	5	5	ug/L	<2
m-Xylene & p-Xylene	72,900	---	ug/L	<2
Naphthalene	729	---	ug/L	<1
n-Butylbenzene	---	---	ug/L	<1
n-Propylbenzene	---	---	ug/L	<1
o-Xylene	2	---	ug/L	<1
sec-Butylbenzene	---	---	ug/L	<1
Styrene	100	100	ug/L	<1
tert-Butylbenzene	---	---	ug/L	<1
Tetrachloroethene (PCE)	5	5	ug/L	<1
Toluene	1,000	1,000	ug/L	<1
trans-1,2-Dichloroethene	100	100	ug/L	<1
trans-1,3-Dichloropropene	---	---	ug/L	<3
Trichloroethene (TCE)	5	5	ug/L	<1
Trichlorofluoromethane	10,900	---	ug/L	<2
Vinyl chloride	2	2	ug/L	<1
Xylenes (total)	10,000	10,000	ug/L	<2

Notes:
1) Wyoming Department of Enviornmental Quality (WDEQ) Groundwater Cleanup Levels based on Voluntary Remediation Program (VRP) Fact Sheet #13, revised 2009.
2) EPA MCL - Environmental Protection Agency (EPA) National Primary Drinking Water Standard, Maximum Contaminant Level, May 2009.
3) ug/L - Micrograms per liter.
4) --- - Not available.
5) < - Not detected at the reporting limit (RL).
6) J - Estimate result. Result is less than RL.
7) **Bold** - Detected Result.

FIGURES

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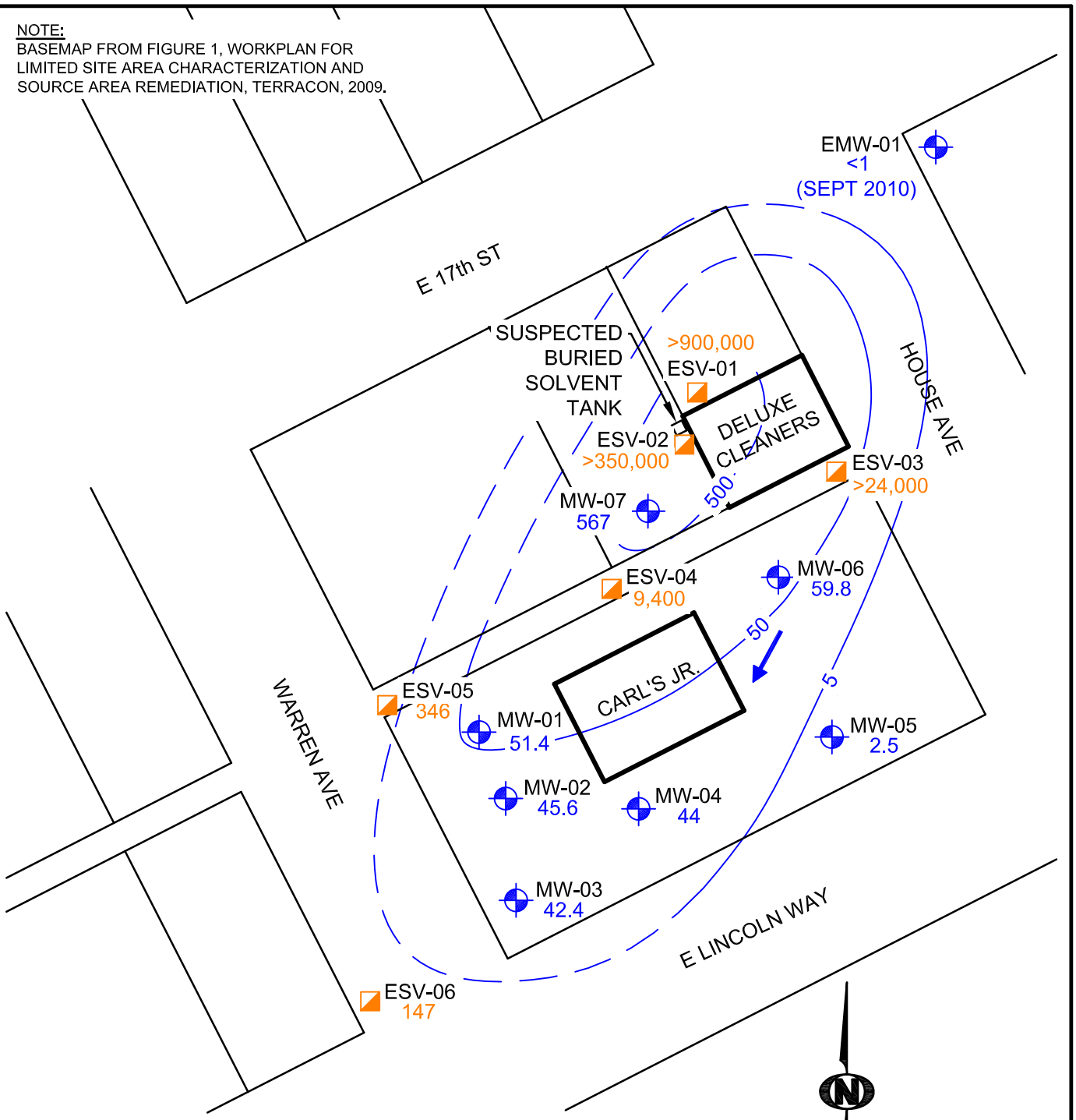
NOTE:
BASEMAP FROM FIGURE 1, WORKPLAN FOR LIMITED SITE AREA CHARACTERIZATION AND SOURCE AREA REMEDIATION, TERRACON, 2009.



NOT TO SCALE

LEGEND

MW-07	MONITOR WELL
567	TETRACHLOROETHENE (PCE) CONCENTRATION IN GROUNDWATER (ug/L) (JULY 2007 AND SEPTEMBER 2010)
ESV-04	SOIL VAPOR PROBE
9,400	TETRACHLOROETHENE (PCE) CONCENTRATION IN SOIL VAPOR (ug/m³) (SEPTEMBER 2010)
→	INFERRED GROUNDWATER FLOW DIRECTION (FROM TERRACON WORK PLAN, TERRACON, 2009)
50	GROUNDWATER PCE ISOPLETH (DASHED WHERE INFERRED)

DELUXE CLEANERS & TAILORS
Cheyenne, Wyoming

SITE MAP WITH GROUNDWATER AND SOIL VAPOR RESULTS

EnviroGroup Limited
Centennial, Colorado

FIGURE 1	OCT 2010
DC-0703	

ATTACHMENT A

Soil Vapor Collection Log Sheet

Site Name Deluxe Cleaners DC-0703 Site Location Cheyenne, Wy Date 9/21/10

Start Time/Weather 11:45 / Sunny 70°-80° f Finish Time/Weather 15:00 / Sunny, 60°-70° f

PPM Conv 10/1/10

	Sample ID	Purge Depth (feet)	Tubing Length (feet)	Purge Vol (ml)	Start Pressure/Time	Finish Pressure/Time	~~%~~ Tracer in Shroud	Tracer in Tedlar Bag (ppm)	OK	Can #	Flow Controller #	Comments (Moisture, Volume Collected)
1	ESV-06	≈5.0'	≈5.0'	130 ML	1223	—	~~0.006~~ 90,000	0.000	✓			
2	AA-01	—	—	—	1235	—	—	—	✓			taken from SW corner of Carls Jr. Parking lot
3	ESV-05, DUP	≈5.0'	≈5.0'	130ML	1300	—	~~0.0025~~ 10,000	0	✓			
4	ESV-04	"	"	"	1350	—	44000	0	✓			
5	ESV-04 REP	"	"	"	24.35/1324	10.15 /1350	44000	0	✓	3415	HF020	
6	ESV-03	"	"	"	1412	—	18000	1000	✓			
7	ESV-02	"	"	"	1432	—	55000	5000	✓			
8	ESV-01	"	"	"	1447	—	15000	0	✓			
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

NOTES: Tracer in shroud measured in PPM

Work completed by: Coleman Hoyt

BOREHOLE LOG

CLIENT Deluxe Cleaners
PROJECT LOCATION Cheyenne, WY
PROJECT NO. DC-0703

BH NO. EMW-01
PAGE 1 OF 3

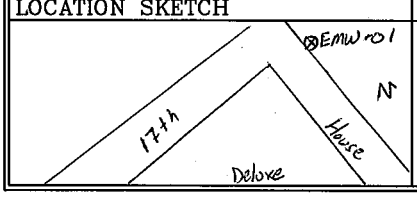
NORTH	DRILLER Site Services		DATE START 9/20/10
EAST	RIG Geoprobe		DATE FINISH 9/20/10
GRD ELEV.	BITS 3"/2¼"	FLUIDS NA	TOTAL DEPTH 25 ft
TOC ELEV.	LOGGED BY MAJ		WATER DEPTH ~ 14.8'

SAMPLE TYPES:
CT Cuttings — WS Wash
SS Split Spoon — NX NX Core
DC Dry Core — (CS) Continuous Sampler
Other:

SAMPLER SPECIFICATIONS:
Length 5" — Material
O.D. 2¼" — Liner
I.D. 2" — Other

DEPTH (FT.)	BIT CASING	SAMP NO.	SAMP TYPE	RECOV. FT/FT	BLOWS per 6"	SYM	SURFACE CONDITION: Soil / SOIL/ROCK DESCRIPTION	SOIL VAPOR PID ☐ FID ☐ BG	HS	Core
0							0.0 - 0.4 Fill material			
1							0.4 - 3.0 Loose, multi-colored, SAND fg to cg, some gravel, tr silt, tr sand clay. No odor, no stain. Moist to wet			
2			CS	3.0/5.0						
3										
4	3"/2¼"					NR	3.0 - 5.0 No Recovery			
5							5.0 - 5.7 Same As 0.4 - 3.0			
6				3.3/5.0			5.7 - 8.3 Med stiff, lt brown CLAY, little silt, tr vfg sand. No odor, no stain. Damp to moist.			
7			CS							
8							8.3 - 10.0 No Recovery.			
9						NR	10.0 - 11.1 Loose, multi-colored, SAND vfg to cg., little silt, tr clay. No odor, no stain. Dry grading to moist. (Slough?)			
10										

LOCATION SKETCH



DENSITY: GRANULAR:		COHESIVE:		PROPORTIONS:	
0-10	Loose	0-4	Soft	0-10%	Trace
10-30	Med Dense	4-8	Med Stiff	10-20%	Little
30-50	Dense	8-15	Stiff	20-35%	Some
>50	Very Dense	15-30	Very Stiff	35-50%	And

REMARKS/WEATHER
Located on the NE corner of House Ave + 17th St. Upgradient of Deluxe Cleaners
Mostly cloudy, windy ~85°F

LOG STATUS:
PRELIMINARY: X FINAL:

EnviroGroup Limited
Centennial, Colorado

R:\Drawings\STD\Borelog5.dwg 08/08/05 at 08:57

BOREHOLE LOG

CLIENT Deluxe Cleaners
PROJECT LOCATION Cheyenne, WY
PROJECT NO. DC-0703

BH NO. EMW-01
PAGE 2 OF 3

NORTH	DRILLER Site Services		DATE START 9/20/10
EAST	RIG Geoprobe		DATE FINISH 9/20/10
GRD ELEV.	BITS 3"/2¼"	FLUIDS NA	TOTAL DEPTH 25 ft
TOC ELEV.	LOGGED BY MAJ		WATER DEPTH ~14.8'

SAMPLE TYPES:
CT Cuttings, WS Wash, SS Split Spoon, NX NX Core, DC Dry Core, (CS) Continuous Sampler, Other:

SAMPLER SPECIFICATIONS:
Length 5 ft, O.D. 2¼", I.D. 2", Material, Liner, Other

SURFACE CONDITION: Soil

DEPTH (FT.)	BIT CASING	SAMP NO.	SAMP TYPE	RECOV. FT/FT	BLOWS per 6"	SYM	SOIL/ROCK DESCRIPTION	SOIL VAPOR PID ☐ FID ☐ BG	HS	Core
10										
11							11.1 - 12.2 Soft, brown, SILT, some clay, little vfg sand. No odor, no stain. Wet.			
12			CS	3.3/4.0						
13							12.2 - 13.3 Med dense to dense, buff brown, weathered SILTSTONE, little clay, little vfg sand. Moderately weathered, massive. FeO staining in irregular fracs throughout. No odor. Dry.			
14	3"/2¼"					NR				
15										
16			CS	4.0/4.0			13.3 - 14.0 No Recovery.			
17							14.0 - 14.8 Same As 12.2 - 13.3, Moist			
18							14.8 - 18.0 Med dense, brown, SILT, little vfg sand, little clay. Laminations from 16.4 - 16.8 ft bgs. Sl. petroleum odor. No stain. Moist to wet.			
19			CS							
20										

LOCATION SKETCH	DENSITY: GRANULAR	DENSITY: COHESIVE	PROPORTIONS:	REMARKS/WEATHER
See pg. 1	0–10 Loose 10–30 Med Dense 30–50 Dense >50 Very Dense	0–4 Soft 4–8 Med Stiff 8–15 Stiff 15–30 Very Stiff	0–10% Trace 10–20% Little 20–35% Some 35–50% And	See pg. 1

LOG STATUS:
PRELIMINARY: X FINAL:

EnviroGroup Limited
Centennial, Colorado

R:\Drawings\STD\Borelog5.dwg 08/08/05 at 08:57

BOREHOLE LOG

CLIENT Deluxe Cleaners
PROJECT LOCATION Cheyenne, WY
PROJECT NO. DC-0703

BH NO. EMW-01
PAGE 3 OF 3

NORTH	DRILLER Site Services		DATE START 9/20/10
EAST	RIG Geoprobe		DATE FINISH 9/20/10
GRD ELEV.	BITS 2¼ + 3"	FLUIDS NA	TOTAL DEPTH 25 ft
TOC ELEV.	LOGGED BY MAJ		WATER DEPTH ~ 14.8'

SAMPLE TYPES:
CT Cuttings, WS Wash, SS Split Spoon, NX NX Core, DC Dry Core, (CS) Continuous Sampler, Other:

SAMPLER SPECIFICATIONS:
Length 5 ft, O.D. 2¼", I.D. 2", Material, Liner, Other

SURFACE CONDITION: Soil

DEPTH (FT.)	BIT / CASING	SAMP NO.	SAMP TYPE	RECOV. FT/FT	BLOWS per 6"	SYM	SOIL/ROCK DESCRIPTION	SOIL VAPOR PID ☐ FID ☐ BG	HS	Core
20										
21			CS	3.2/4.0		NR	18.0 - 21.2 Med dense, brown SILT AND CLAY, little vfg sand. No odor, no stain. Moist. ~~to wet~~.			
22							21.2 - 22.0 No Recovery			
23							22.0 - 25.0 No Recovery. Ream borehole to 25 ft bgs w/ 3" rods. Set 2" pvc 10 ft screen.			
24	3"/2¼"		Ream	Ream/3.0		NR Ream				
25										
26										
27										
28										
29										
30										

LOCATION SKETCH	DENSITY: GRANULAR:		COHESIVE:		PROPORTIONS:		REMARKS/WEATHER
See pg. 1	0-10	Loose	0-4	Soft	0-10%	Trace	See pg. 1
	10-30	Med Dense	4-8	Med Stiff	10-20%	Little	
	30-50	Dense	8-15	Stiff	20-35%	Some	
	>50	Very Dense	15-30	Very Stiff	35-50%	And	

LOG STATUS:
PRELIMINARY: X FINAL:

EnviroGroup Limited
Centennial, Colorado

R:\Drawings\STD\Borelog5.dwg 08/08/05 at 08:57

Project No: DC-0703 Client: Deluxe Cleaners Site: 1614 House Ave.

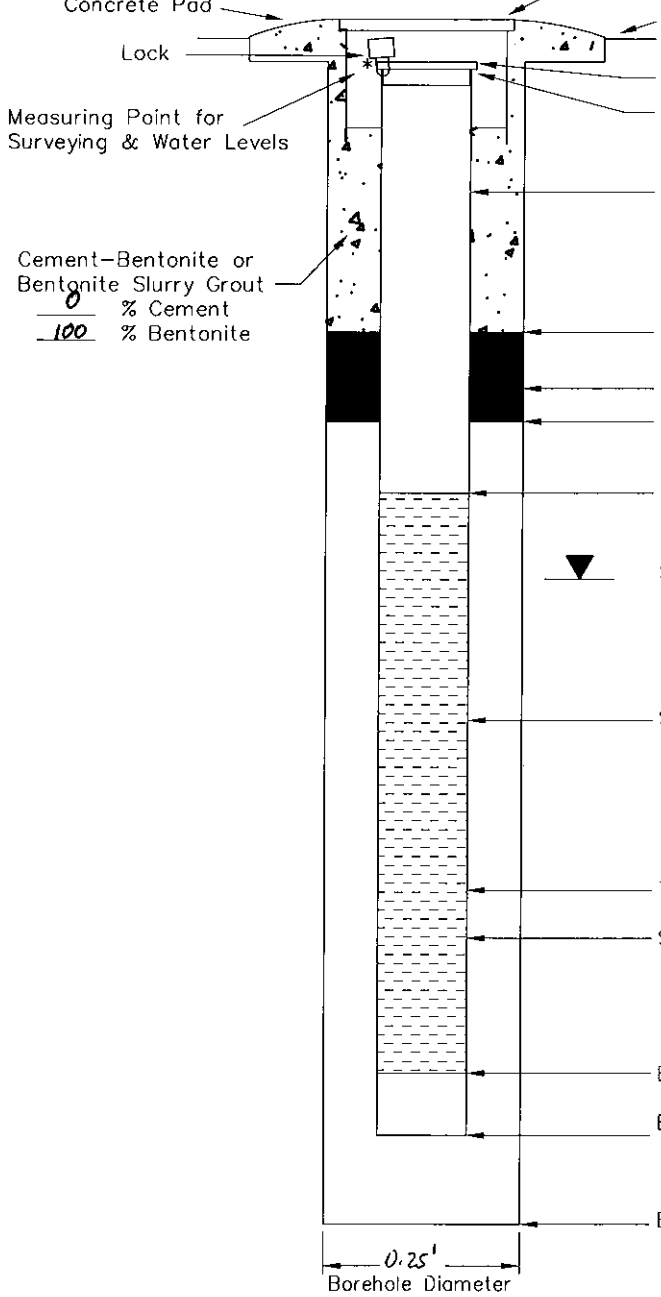
WELL NO: EMW-01

Well Location: NE Corner of House Ave + 17th St., Upgradient of site.

Date Installed: 9/20/10

Contractor: Site Services, Inc. Method: Geoprobe, Direct Push, Continuous Core

MONITORING WELL CONSTRUCTION DETAIL
(Flush Mount)



	Depth from G.S. (feet)	Elevation *
Top of Steel Guard Pipe		
Ground Surface (G.S.)	0	
Water Tight Cap / Top of Riser Pipe	~0.5	
* read survey data to complete		
Riser Pipe: Length ~10.5' Inside Diameter (ID) 2" Type of Material PVC		
Top of Bentonite Seal	11.0	
Bentonite Seal Thickness 2'		
Top of Sand	13.0	
Top of Screen	14.7	
Stabilized Water Level Date 9/21/10	18.65	
Screen: Length 10' Inside Diameter 2" Slot Size 0.020" Type of Material PVC		
Type/Size of Sand Colo. silica 10/20		
Sand Pack Thickness 12'		
Bottom of Screen	24.7	
Bottom of Tail Pipe Length 0.3'	25.0	
Bottom of Borehole	25.0	

EnviroGroup Limited
Centennial, Colorado

* Describe Measuring Point:
ground surface

*survey not conducted.

R:\Drawings\STD\WELLFLS.DWG, 08/08/05 at 09:10

WELLFLS.DWG

EnviroGroup Limited

WELL DEVELOPMENT RECORD

WELL: EMW-01

WELL DEPTH = 24.74 FEET

WET-CASING VOLUME = 0.97 GALLONS

REFERENCE POINT FOR DEPTH MEASUREMENTS = TOC

PROJECT NAME: Deluxe Cleaners

PROJECT NUMBER: DC-0703

LOCATION: Cheyenne, WY

PERSONNEL: C. Hoyt

INITIAL WATER LEVEL			SURGING		PURGING					
DATE	TIME	DEPTH	METHOD[1]	SURGE TIME	METHOD[1]	START TIME	END TIME	TOTAL VOLUME REMOVED	FINAL APPEARANCE[2]	COMMENTS (Odor, Sheen, etc.)
9/21/10	11:15	18.65	Slug	10 m	Bailer	1115	1125	1 g	red Brn. Vis. turb. F.a. Sand Silt	
			"	5 m	"	1130	1135	0.4 g	"	Well bailed dry, will Return later
9/21/10	16:37	21.04	"	10 m	"	1640	1650	0.6 g	"	Well bailed dry, will Return tomorrow to Sample.

Notes: [1] Bailers, submersible pumps, etc.
[2] Turbidity estimate (slight, moderate or high) and Color

FIELD WATER QUALITY SAMPLING AND ANALYSIS

PROJECT: Deluxe Cleaners LOCATION: Cheyenne, WY

PROJECT NO. DC-0703 PERSONNEL: C. Hoyt

INSTRUMENTS: (Conductivity, Temperature, pH, Redox, etc.) Pine YSI, Pine LL meter

GENERAL					
WELL/LOCATION	EMW-01				
WATER SOURCE	Ground Water				
DATE	9/22/10				
TIME	0920				

SAMPLING CONDITIONS					
SAMPLING METHOD					
DEPTH OF SAMPLE (BGS / TOC)	~22.0'				
WELL DEPTH (BGS / TOC)	24.74'				
WATER LEVEL (BGS / TOC)	17.18'				
ONE WET CASING VOLUME For 2 inch wells: (TD-WL)x0.16= 1.2 gallons	For 1 inch wells: (TD-WL)x0.04= NA gallons For 4 inch wells: (TD-WL)x0.65= NA gallons				
APPEARANCE	Clear → V. Light Brn.				

FIELD MEASUREMENTS					
	☆ Well Bailed dry yesterday during development.				
VOLUME REMOVED (GAL)	1.0				
TOTAL VOLUME REMOVED (GAL)	1.0				
TEMPERATURE (°C or °F)	13.73				
CONDUCTIVITY (ATC, 25°C)	1.559				
pH	6.53				
REDOX (mV)	130.7				
DO % / mg/L	53.0 / 5.42	/	/	/	/
PURGE OR SAMPLE	S				

SAMPLES COLLECTED AND SAMPLE ANALYSIS						
VOCs 8260B	UF/HCL	3 40 mL VOAs				
DISSOLVED METALS	F/HNO_3					
TOTAL METALS	UF/HNO_3					
PETROLEUM HCs	UF/HCl					
VOLATILE ORGANICS	UF/UP UF/HCl					
SEMIVOLATILE ORGANICS	UF/UP					
LAB/DATE SUBMITTED	TA 9/22/10					

EnviroGroup Limited SAMPLER'S INITIALS CH DATE 9/22/10

ATTACHMENT B

RECEIVED OCT 0 1 2010

HARTMAN
ENVIRONMENTAL GEOSCIENCE

Soil Gas & Ambient Air Data - Deluxe Cleaners, Cheyenne, Wyoming

Hartman EG Project: Cheyenne 09-10

Analysis Method: Modified EPA Method 8021 (GC-PID & ECD)

Sample Date	Sample ID	TCE ug/m3	PCE ug/m3	
9/21/2010	ESV-01	206,000	900,000	Exceeds cal range for TCE & PCE
9/21/2010	ESV-02	92,000	350,000	Exceeds cal range for TCE & PCE
9/21/2010	ESV-03	464	24,000	Exceeds cal range for PCE
9/21/2010	ESV-04	330	9400	
9/21/2010	ESV-05	ND	346	
9/21/2010	ESV-05 Dup	ND	282	
9/21/2010	ESV-06	51	147	Other VOCs present on PID
9/21/2010	AA-1	ND	ND	
Detection Level		15	10	

ND indicates not detected at the listed detection levels
On-site 8021 analyses performed by and data reviewed by Dr. Blayne Hartman

Blayne Hartman
9-27-10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

October 04, 2010

LABORATORY REPORT

Client:
EnviroGroup Limited
7009 South Potomac St. Suite 300
Centennial, CO 80112
Attn: Martina Litasi

Work Order: LTI0206
Project Name: Deluxe Cleaners / Wyoming
Project Number: [none]
Date Received: 09/24/10

TestAmerica Los Angeles certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the Corrective Action Report. NELAC Certification Number for TestAmerica Los Angeles is E87652. The test results listed within this Laboratory Report pertain only to the samples tested at TestAmerica Los Angeles, unless otherwise indicated. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 714-258-8610.

Approved By:

Marisol Tabirara
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

EnviroGroup Limited 7009 South Potomac St. Suite 300 Centennial, CO 80112 Martina Litasi	Work Order: Project: Project Number:	LTI0206 Deluxe Cleaners / Wyoming [none]	Received: Reported:	09/24/10 10:00 10/04/10 15:09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION	MATRIX	CONTAINER TYPE
ESV-04 REP	LTI0206-01	09/21/10 13:50	Air	Passivated Canister

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EnviroGroup Limited 7009 South Potomac St. Suite 300 Centennial, CO 80112 Martina Litasi	Work Order: Project: Project Number:	LTI0206 Deluxe Cleaners / Wyoming [none]	Received: 09/24/10 10:00 Reported: 10/04/10 15:09

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: LTI0206-01 (ESV-04 REP - Air)							**Sampled: 09/21/10 13:50**			
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS										
cis-1,2-Dichloroethene	ND		ug/m3	16	41	5.2	09/28/10 15:09	MSA	LY	10I0224
1,1-Dichloroethene	ND		ug/m3	21	41	5.2	09/28/10 15:09	MSA	LY	10I0224
Tetrachloroethene	**9600**		ug/m3	180	350	26	09/28/10 16:27	MSA	LY	10I0224
Trichloroethene	**280**		ug/m3	28	56	5.2	09/28/10 15:09	MSA	LY	10I0224
Vinyl chloride	ND		ug/m3	27	53	5.2	09/28/10 15:09	MSA	LY	10I0224

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

EnviroGroup Limited 7009 South Potomac St. Suite 300 Centennial, CO 80112 Martina Litasi	Work Order: Project: Project Number:	LTI0206 Deluxe Cleaners / Wyoming [none]	Received: 09/24/10 10:00 Reported: 10/04/10 15:09

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Result	Data Qualifier	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: 10I0224-BLK1 (Blank - Air)										
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS										
cis-1,2-Dichloroethene	ND		ug/m3	3.2	7.9	1.00	09/28/10 14:28	MSA	LY	10I0224
1,1-Dichloroethene	ND		ug/m3	4.0	7.9	1.00	09/28/10 14:28	MSA	LY	10I0224
Tetrachloroethene	ND		ug/m3	6.8	14	1.00	09/28/10 14:28	MSA	LY	10I0224
Trichloroethene	ND		ug/m3	5.4	11	1.00	09/28/10 14:28	MSA	LY	10I0224
Vinyl chloride	ND		ug/m3	5.1	10	1.00	09/28/10 14:28	MSA	LY	10I0224

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

EnviroGroup Limited 7009 South Potomac St. Suite 300 Centennial, CO 80112 Martina Litasi	Work Order: Project: Project Number:	LTI0206 Deluxe Cleaners / Wyoming [none]	Received: 09/24/10 10:00 Reported: 10/04/10 15:09

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	Instrument	Date Analyzed	QC Batch
Sample ID: 10I0224-BS1 (LCS - Air)											
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS											
cis-1,2-Dichloroethene	**173**		ug/m3	7.9	1.00	212	82%	70 - 130	MSA	09/28/10 12:22	10I0224
1,1-Dichloroethene	**184**		ug/m3	7.9	1.00	218	84%	70 - 130	MSA	09/28/10 12:22	10I0224
Tetrachloroethene	**276**		ug/m3	14	1.00	356	78%	70 - 130	MSA	09/28/10 12:22	10I0224
Trichloroethene	**245**		ug/m3	11	1.00	269	91%	70 - 130	MSA	09/28/10 12:22	10I0224
Vinyl chloride	**115**		ug/m3	10	1.00	128	90%	70 - 130	MSA	09/28/10 12:22	10I0224

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

EnviroGroup Limited 7009 South Potomac St. Suite 300 Centennial, CO 80112 Martina Litasi	Work Order: Project: Project Number:	LTI0206 Deluxe Cleaners / Wyoming [none]	Received: 09/24/10 10:00 Reported: 10/04/10 15:09

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	RPD	Limit	Date Analyzed	QC Batch
Sample ID: 10I0224-BSD1 (LCS Dup - Air)												
EPA TO15 (Med-level) - Volatile Organic Compounds by GC/MS												
cis-1,2-Dichloroethene	**185**		ug/m3	7.9	1.00	212	87%	70 - 130	7	25	09/28/10 13:31	10I0224
1,1-Dichloroethene	**197**		ug/m3	7.9	1.00	218	90%	70 - 130	7	25	09/28/10 13:31	10I0224
Tetrachloroethene	**263**		ug/m3	14	1.00	356	74%	70 - 130	5	25	09/28/10 13:31	10I0224
Trichloroethene	**251**		ug/m3	11	1.00	269	93%	70 - 130	2	25	09/28/10 13:31	10I0224
Vinyl chloride	**136**		ug/m3	10	1.00	128	106%	70 - 130	16	25	09/28/10 13:31	10I0224

EnviroGroup Limited 7009 South Potomac St. Suite 300 Centennial, CO 80112 Martina Litasi	Work Order: Project: Project Number:	LTI0206 Deluxe Cleaners / Wyoming [none]	Received: Reported:	09/24/10 10:00 10/04/10 15:09

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

Chain of Custody Record

Sampler ID: C. Hoyt

Temperature on Receipt: _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client: EnvioGroup Limited	Project Manager: M. Litasi	Date: 9/22/10	Chain of Custody Number: 107628
Address: 7009 S. Potomac St., Ste 300	Telephone Number (Area Code)/Fax Number: 303-790-1340 / 303-790-1347	Lab Number: LTI0206	Page 1 of 1
City: Centennial; State: Co; Zip Code: 80112	Site Contact: C. Hoyt	Lab Contact: S. Tabirara	
Project Name and Location (State): Deluxe Cleaners	Carrier/Waybill Number: Ken Watson		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TO-15	Special Instructions/ Conditions of Receipt
ESV-04 REP	9/21/10	1350	X				X						X	3415

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 9/23/10	Time: 1320	1. Received By: [signature]	Date: 9-23-10	Time: 1320
2. Relinquished By: [signature]	Date: 9-23-10	Time: 1600	2. Received By: [signature]	Date: 9/24/10	Time: 1000
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments

LTI0206

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica

CANISTER FIELD DATA RECORD

CLIENT: **ENVIROGROUP**
CANISTER SERIAL #: 3415
DATE CLEANED: 060810A
CLIENT SAMPLE #: ESU-04 REP
SITE LOCATION: Deluxe cleaners

VFR ID: HF020
Duration of comp. :
Flow setting: ~ 200.0 ml/min *
Initials: [illegible]
* Flow rate set per Client request

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		**30"Hg (0.00 psia)**	7/17/10	[illegible]
INITIAL FIELD VACUUM	1324	24.35"	9/21/10	CWH
FINAL FIELD READING	1350	10.15"	9/21/10	CWH

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg and PSIA)	6.74	9/22/10	X
FINAL PRESSURE (PSIA)	17.48	9/22/10	X

Pressurization Gas: N_2

COMMENTS:

FIT CHECK

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
	~ 200.0 ml/min

MSA CANS

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: E-GROUP TO-15 SIM/SCAN

Date Cleaned/Batch C060810A

Date of QC 06-16-10 06-16-10

Data File Number IW306158(SIM-MSD) IW306162(SCAN-MSD)

CANISTER ID NUMBERS

* 3415	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: _____ Date: 06/16/10

TestAmerica Los Angeles

TO-15 SIM Report

Data file : C:\chem\MSD.i\100615.B\MB0615E.D
Lab Smp Id: BLANK Client Smp ID: 3415
Inj Date : 16-JUN-2010 04:15
Operator : DLK Inst ID: MSD.i
Smp Info : BLANK,3415,,SCREEN BLANK
Misc Info : 1,1,500,500,3,,BLANK,SIM34.SUB,0,
Comment :
Method : C:\CHEM\MSD.I\100615.B\SIM34.m
Meth Date : 15-Jun-2010 14:13 kammererd Quant Type: ISTD
Cal Date : 09-JUN-2010 16:52 Cal File: IC06099.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SIM34.SUB
Target Version: 4.14
Processing Host: LAPC064

Concentration Formula:
Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	500.000	CalVol
SmpVol	500.000	SmpVol
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (PPBV)	FINAL (ppbv)
7 Methylene Chloride	49	8.435	8.442	(0.765)	1722	0.03359	0.03359(a)
* 12 Bromochloromethane	130	11.029	11.038	(1.000)	60233	2.00000	
$ 14 1,2-Dichloroethane-d4	65	11.821	11.831	(1.072)	139148	2.07399	2.074
* 18 1,4-Difluorobenzene	114	12.436	12.436	(1.000)	217234	2.00000	
$ 24 Toluene-d8	98	14.568	14.568	(0.879)	219962	2.09754	2.098
* 30 Chlorobenzene-d5	117	16.566	16.566	(1.000)	237547	2.00000	
$ 37 4-Bromofluorobenzene	95	17.911	17.911	(1.081)	186386	2.01144	2.011

QC Flag Legend

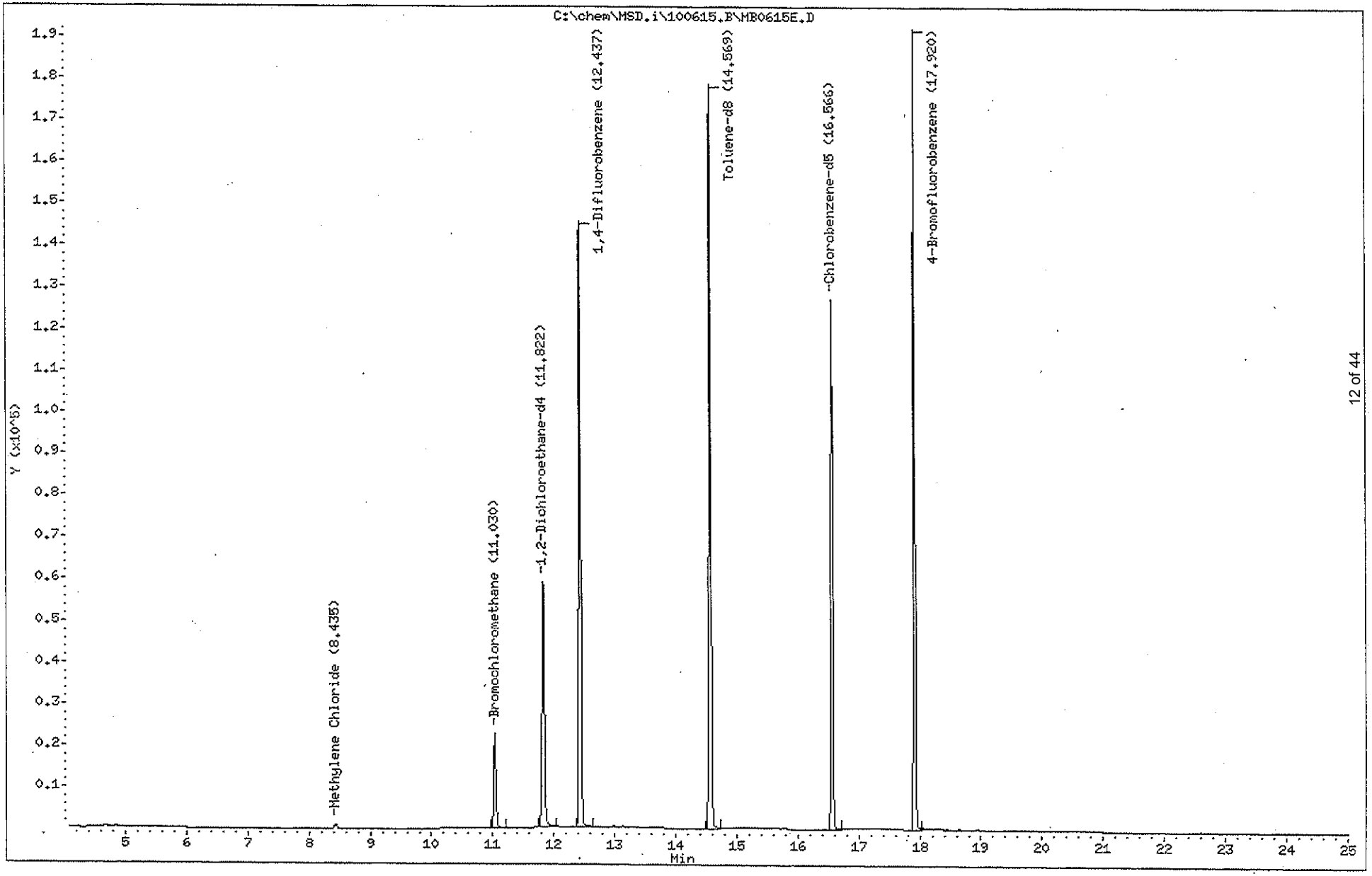
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: C:\chem\MSD.i\100615.B\MB0615E.D
Date : 16-JUN-2010 04:15
Client ID: 3415
Sample Info: BLANK,3415,,SCREEN BLANK

Instrument: MSD.i

Operator: DLK
Column diameter: 0.53

Column phase: J&W DB-624



LTI0206

TestAmerica Los Angeles

AIR LOW LEVEL TO-14A / TO-15

Data file : \\TAILAX106\D\chem\MSE.i\100616.B\MB06162.D
Lab Smp Id: BLANK Client Smp ID: 3415
Inj Date : 16-JUN-2010 12:37
Operator : DLK Inst ID: mse.i
Smp Info : BLANK,3415,,METHOD BLANK
Misc Info : 1,1,500,500,3,,BLANK,TO15CORP.SUB,0,
Comment :
Method : \\TAILAX106\D\CHEM\MSE.I\100616.B\TO15.m
Meth Date : 16-Jun-2010 13:27 kammererd Quant Type: ISTD
Cal Date : 21-MAY-2010 09:07 Cal File: CC05212.D
Als bottle: 11 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15CORP.SUB
Target Version: 4.14
Processing Host: TAILAX106

Concentration Formula:
Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	Final Pressure
InitPres	1.000	Initial Pressure
CalVol	500.000	Calibration Volume
SmpVol	500.000	Sample Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
23 Acetone	43	8.330	8.305	(0.695)	12778	0.46239	0.4624(a)
* 47 Bromochloromethane	49	11.982	11.982	(1.000)	78273	4.00000	
$ 53 1,2-Dichloroethane-d4	65	12.763	12.763	(0.956)	82820	4.50782	4.508
* 60 1,4-Difluorobenzene	114	13.346	13.346	(1.000)	186014	4.00000	
$ 70 Toluene-d8	98	15.473	15.473	(0.884)	168051	4.06767	4.068
* 83 Chlorobenzene-d5	117	17.507	17.507	(1.000)	162088	4.00000	
$ 95 4-Bromofluorobenzene	95	19.132	19.132	(1.093)	95804	3.34817	3.348

QC Flag Legend

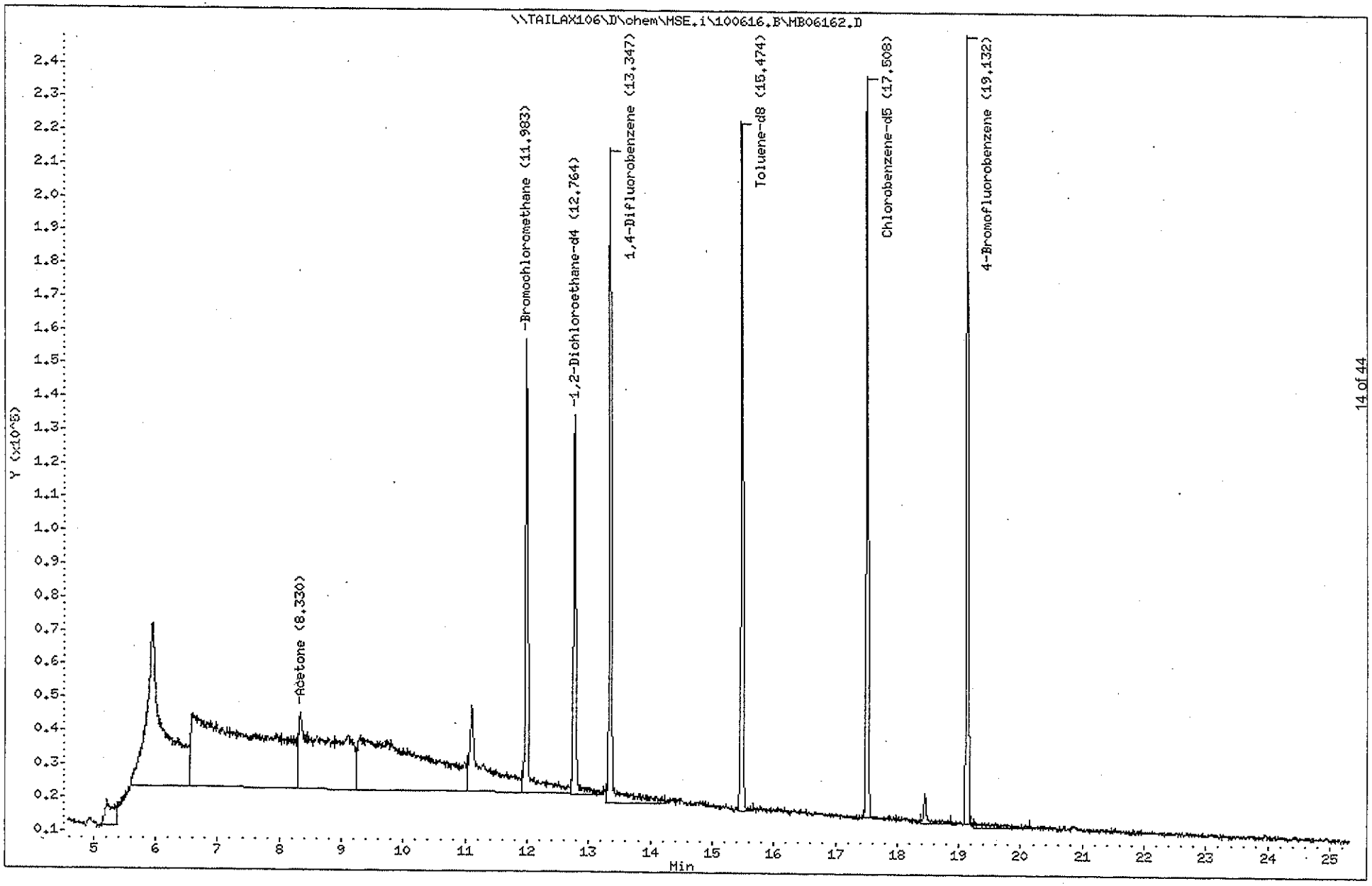
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\TAILAX106\D\chem\MSE.i\100616.B\MB06162.D
Date : 16-JUN-2010 12:37
Client ID: 3415
Sample Info: BLANK,3415,,METHOD BLANK

Column phase: J&W DB-5ms

Instrument: mse.i

Operator: DLK
Column diameter: 0.32



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ENVIROGROUP LIMITED

PROJECT: DeLuxe Cleaners/Wyoming

EXTENDED RAW DATA

1. **Initial Calibration Summary**
2. **Continuing Calibration Summary**
3. **BFB Tune Chromatogram(s)**
4. **Internal Standard Summary**
5. **Quant Reports (including Method Blanks and Samples)**

Lot ID: LTI0206

I certify that, to the best of my knowledge, the attached package is a complete and accurate representation of the original data.

Signature / Date: Ly 093010

TestAmerica Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:17
End Cal Date : 24-SEP-2010 08:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Calibration File Names:
Level 1: \\tailax65\msa_c\chem\MSA.i\100923.B\IC09231.D
Level 2: \\tailax65\msa_c\chem\MSA.i\100923.B\IC09232.D
Level 3: \\tailax65\msa_c\chem\MSA.i\100923.B\IC09233.D
Level 4: \\tailax65\msa_c\chem\MSA.i\100923.B\IC09234.D
Level 5: \\tailax65\msa_c\chem\MSA.i\100923.B\IC09235.D
Level 6: \\tailax65\msa_c\chem\MSA.i\100923.B\IC09236.D
Level 7: \\tailax65\msa_c\chem\MSA.i\100818.B\IC08187.D

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
1 1,1-Difluoroethane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Propene	0.31959 / 0.30108	0.32093	0.32031	0.28314	0.29612	0.31883	0.30857	4.906
4 Dichlorodifluoromethane (F12)	4.83254 / 4.69931	5.15997	4.97941	5.52310	5.11426	5.40708	5.10224	5.790
6 Dichlorofluoromethane (F21)	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Chlorodifluoromethane (F22)	1.66327 / 1.58232	1.57034	1.62329	1.70350	1.60535	1.71434	1.63749	3.501
2 Propane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
9 2-Methylbutane (Isopentane)	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
10 Dimethyl ether (DME)	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

TestAmerica Los Angeles

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Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
7 1,2-Cl-1,1,2,2,F Ethane(F114)	3.71100	3.60221	3.59233	4.04821	3.91417	3.83512		
	4.03158						3.81923	4.980
8 Chloromethane	0.12227	0.08361	0.11639	0.10260	0.10132	0.09560		
	0.09291						0.10210	13.143
15 2-Methylpropene (Isobutylene)	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
14 2-Methylpropane (Isobutane)	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
16 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
11 Vinyl Chloride	0.62063	0.60972	0.54746	0.68768	0.65365	0.63455		
	0.68169						0.63362	7.568
12 n-Butane	0.92836	0.88268	0.79261	0.86278	0.88331	0.86369		
	0.90873						0.87459	4.935
13 1,3-Butadiene	0.41766	0.38854	0.38080	0.43243	0.41482	0.44393		
	0.41880						0.41386	5.424
18 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
17 Bromomethane	0.82109	0.72946	0.69673	0.90146	0.90416	0.93022		
	1.03333						0.85949	13.754
19 Chloroethane	0.39138	0.36576	0.36155	0.36378	0.39015	0.40748		
	0.41602						0.38516	5.713

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Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
21 Vinyl Bromide	1.02739	0.98691	1.05459	1.13602	1.17746	1.22067		
	1.30919						1.13032	10.172
22 Trichlorofluoromethane (F11)	3.71229	3.80747	3.58013	3.92591	4.17909	4.17350		
	4.36764						3.96372	7.208
23 n-Pentane	1.42243	1.24503	1.25805	1.24418	1.29633	1.34372		
	1.41166						1.31734	5.812
24 1,1-DC-1-Fluoroethane (F141b)	2.34962	2.40157	2.67989	2.81286	2.99568	3.46262		
	+++++						2.78371	14.828
26 Ethanol	+++++	+++++	0.03956	0.03669	0.05720	0.06448		
	0.08220						0.05603	33.425 <-
27 Ether (Diethyl ether)	0.50194	0.52301	0.53350	0.53527	0.59837	0.64390		
	0.67788						0.57341	11.742
25 2,2-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
20 Acrolein	0.07524	0.12304	0.14356	0.13438	0.16953	0.18082		
	0.20303						0.14709	28.690
29 1,1-Dichloroethene	1.69687	1.90167	1.69874	1.88348	1.97520	1.99634		
	2.04019						1.88464	7.345
30 1,1,2-CL 1,2,2-F ethane(F113)	4.31506	4.65807	4.45649	4.91592	4.92162	4.99843		
	5.20771						4.78190	6.640
32 Propionaldehyde (Propanal)	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
31 Acetone	+++++ / 0.25708	+++++	0.16428	0.26636	0.24578	0.25337	0.23738	17.494
28 Iodomethane	+++++ / 3.00891	+++++	0.91715	1.31257	1.98942	2.40857	1.92732	43.439 <-
33 Carbon Disulfide	1.66842 / 2.35759	1.84300	1.71500	2.00226	1.90552	2.24008	1.96170	13.162
34 2-Propanol	+++++ / 1.01816	+++++	0.50007	0.74272	0.73911	0.91421	0.78285	25.236
38 Methylene Chloride	1.02258 / 0.87907	0.82704	0.82304	0.90236	0.80432	0.80107	0.86564	9.120
36 Cyclopentane	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Acetonitrile	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
39 tert-Butyl alcohol (TBA)	1.16488 / 2.25965	1.06186	1.12875	1.28030	1.64424	1.84777	1.48392	30.230
40 Acrylonitrile	+++++ / 0.35910	+++++	0.22013	0.27860	0.26443	0.31368	0.28719	18.228
41 trans-1,2-Dichloroethene	1.29850 / 1.47388	1.27239	1.15450	1.45909	1.36603	1.36918	1.34194	8.293
35 Allyl Chloride	0.39891 / 0.63648	0.69458	0.66928	0.62590	0.61782	0.61759	0.60865	15.913

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Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
42 Methyl-tert-butyl ether[MTBE]	2.68079	2.72428	2.56043	3.04911	2.90161	2.97619		
	3.24242						2.87640	8.223
43 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
44 n-Hexane	0.94670	0.91954	0.98123	0.99818	1.07618	1.06478		
	1.16409						1.02153	8.321
46 1,1-Dichloroethane	1.47282	1.43536	1.43603	1.56299	1.66983	1.71302		
	1.81860						1.58695	9.479
49 Nitromethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
45 Diisopropyl ether (DIPE)	3.14408	2.77533	2.70603	2.87388	3.51319	3.91572		
	4.61775						3.36371	20.904
48 Vinyl Acetate	1.14234	1.41629	1.28599	1.58770	1.99700	2.06635		
	2.35622						1.69313	26.722
50 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
47 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
52 Propionitrile (Ethyl cyanide)	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 Methylcyclopentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

TestAmerica Los Angeles

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Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
53 Ethyl tert-butyl ether (ETBE)	3.16839 4.60925	2.56433	2.72408	2.89704	3.61287	3.93082	3.35811	21.879
57 2,2-Dichloropropane	1.58742 +++++	1.57771	1.52929	1.71407	2.11671	2.34121	1.81107	18.606
54 cis-1,2-Dichloroethene	0.99825 1.13512	1.03896	0.90206	0.96245	1.02389	1.04585	1.01523	7.174
56 Ethyl Acetate	1.94722 2.62819	1.67373	1.95369	1.92133	2.36973	2.35075	2.12066	15.758
55 2-Butanone	0.31797 0.43210	0.35173	0.27407	0.34243	0.37235	0.37906	0.35282	14.115
59 Tetrahydrofuran	0.62707 0.81587	0.66996	0.65432	0.67995	0.72188	0.72601	0.69929	8.909
60 Chloroform	2.23403 2.56951	2.22819	2.07870	2.24055	2.43708	2.40368	2.31311	7.125
61 1,1,1-Trichloroethane	2.12887 2.76884	2.14071	2.05853	2.28175	2.50116	2.55510	2.34785	11.304
62 Cyclohexane	1.26529 1.46997	1.32252	1.15799	1.21947	1.34991	1.34587	1.30443	7.775
69 1,1-Dichloro-1-propene	1.43821 2.31526	1.32421	1.24961	1.38946	1.77063	1.92616	1.63051	23.884
63 Carbon Tetrachloride	0.30803 2.57718	0.62455	1.05621	1.54653	1.83947	2.14795	1.44284	57.004 <-

TestAmerica Los Angeles

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Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
67 1-Heptene	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
64 Isobutyl alcohol	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
66 Benzene	0.62360 0.65626	0.60509	0.57251	0.56699	0.65321	0.65161	0.61847	6.157
68 1,2-Dichloroethane	0.32879 0.36425	0.31554	0.29953	0.33985	0.37430	0.36895	0.34160	8.406
70 2,2,4-Trimethylpentane	1.69436 1.69164	1.48628	1.49650	1.55089	1.74325	1.71062	1.62479	6.733
71 tert-Amyl methyl ether (TAME)	0.67243 0.86970	0.58184	0.52640	0.58858	0.71373	0.76221	0.67356	17.695
72 2,3,4-Trimethylpentane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 1-Butanol	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 n-Heptane	0.47380 0.50784	0.42267	0.39653	0.45200	0.51168	0.51184	0.46805	9.895
74 Methylcyclohexane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Trichloroethene	0.40218 0.48101	0.42960	0.42066	0.43947	0.48425	0.47864	0.44797	7.404

TestAmerica Los Angeles

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Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
78 1,2-Dichloropropane	0.13905	0.12077	0.12700	0.12809	0.13358	0.14129		
	0.14130						0.13301	6.018
79 Dibromomethane	0.57572	0.50578	0.53717	0.63157	0.65010	0.66332		
	0.65028						0.60199	10.381
80 Methyl methacrylate	0.28222	0.21322	0.23990	0.26865	0.31088	0.31222		
	0.32212						0.27846	14.625
81 1,4-Dioxane	0.11321	0.14345	0.12176	0.16109	0.16713	0.16122		
	0.16397						0.14740	14.874
82 Bromodichloromethane	0.33537	0.38564	0.35804	0.41211	0.47287	0.49922		
	0.49907						0.42319	15.996
83 2-Chloroethylvinyl ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
84 1-Bromo-2-chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
85 cis-1,3-Dichloropropene	0.32801	0.29183	0.32824	0.39968	0.43880	0.47851		
	0.49946						0.39493	20.522
86 4-Methyl-2-Pentanone	0.16950	0.19522	0.20109	0.21395	0.26129	0.24782		
	0.25618						0.22072	15.850
89 Toluene	0.79350	0.78140	0.77988	0.84399	0.89443	0.90034		
	0.88300						0.83951	6.466
87 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
90 n-Octane	0.67769	0.66954	0.64546	0.67358	0.77488	0.74448		
	0.75106						0.70524	7.113
91 trans-1,3-Dichloropropene	0.20350	0.19786	0.24057	0.31115	0.35474	0.39355		
	0.42457						0.30371	30.229
92 1,1,2-Trichloroethane	0.33027	0.30025	0.32167	0.33453	0.36564	0.36184		
	0.36705						0.34018	7.501
93 1,3-Dichloropropane	0.72136	0.63484	0.49130	0.55967	0.67477	0.82615		
	0.93321						0.69161	21.959
94 Tetrachloroethene	0.67416	0.70912	0.69135	0.78403	0.81981	0.81587		
	0.80996						0.75776	8.417
95 2-Hexanone	+++++	0.30406	0.33041	0.33404	0.41397	0.42272		
	0.45852						0.37729	16.526
96 Dibromochloromethane	0.99440	0.80870	0.93703	1.02926	1.24073	1.28496		
	1.33679						1.09027	18.229
97 1,2-Dibromoethane	0.89303	0.82322	0.87155	0.92533	1.06742	1.06646		
	1.13419						0.96874	12.279
98 Methyl pyridine	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
100 Chlorobenzene	0.87897	0.96777	0.92517	0.97182	1.06001	1.00949		
	1.05536						0.98123	6.756
101 1,1,1,2-Tetrachloroethane	0.50444	0.43425	0.43822	0.52564	0.57112	0.72052		
	0.81133						0.57222	25.014

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Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
103 1-Chlorohexane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
102 Ethylbenzene	1.53193 1.72352	1.40122	1.44895	1.53572	1.71449	1.70347	1.57990	8.466	
105 m,p-Xylenes	0.52741 0.63517	0.45725	0.51970	0.57376	0.64409	0.62588	0.56904	12.410	
104 n-Butyl ether	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
106 n-Nonane	+++++ 1.09441	+++++	0.97546	0.96664	1.11462	1.08221	1.04667	6.694	
M 107 Xylenes (total)	0.51625 0.61288	0.43135	0.48066	0.54857	0.61440	0.60079	0.54356	13.099	
110 Cellosolve Acetate	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
108 o-Xylene	0.49392 0.56830	0.37957	0.40258	0.49819	0.55503	0.55061	0.49260	15.260	
109 Styrene	0.60848 0.94025	0.59948	0.61546	0.82246	0.90359	0.92874	0.77407	20.678	
111 Bromoform	0.81396 1.48233	0.67124	0.79294	1.15239	1.34557	1.42246	1.09727	30.524	<-
112 Isopropylbenzene (Cumene)	0.40922 0.51783	0.36207	0.35854	0.47292	0.51932	0.49954	0.44849	15.801	

TestAmerica Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:17
End Cal Date : 24-SEP-2010 08:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
113 Cyclohexanone	+++++ / 0.46116	+++++	0.13100	0.19766	0.29084	0.39076	0.29428	45.958 <-
115 .alpha.-Pinene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 .beta.-Pinene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
117 trans-1,4-Dichloro-2-butene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
118 1,1,2,2-Tetrachloroethane	1.09452 / 1.05359	0.94192	0.92166	1.11178	1.06802	1.22096	1.05892	9.674
119 Bromobenzene	0.61776 / 0.82912	0.57721	0.48038	0.52186	0.60849	0.74775	0.62608	19.658
120 1,2,3-Trichloropropane	0.36045 / 0.29435	0.27778	0.28103	0.34435	0.29219	0.35406	0.31489	11.551
121 n-Propylbenzene	2.03897 / 1.89168	1.65193	1.69677	2.13886	1.96425	2.23033	1.94468	11.080
122 2-Ethyltoluene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
125 Dimethyl pyridine	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123 2-Chlorotoluene	0.32608 / 0.39149	0.33913	0.33319	0.40249	0.39550	0.37476	0.36609	8.865

TestAmerica Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:17
End Cal Date : 24-SEP-2010 08:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
	250.000 Level 7							
124 4-Ethyl Toluene	1.57817	1.36605	1.31344	1.77106	1.62513	1.65620		
	1.52250						1.54750	10.456
126 1,3,5-Trimethylbenzene	1.37532	1.32385	1.30361	1.59996	1.54832	1.42199		
	1.58147						1.45065	8.589
128 Diisobutyl ketone (DIBK)	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
127 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
130 3-Ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
129 .alpha.-Methylstyrene	0.47968	0.39027	0.44113	0.59794	0.58766	0.57854		
	0.61033						0.52651	16.742
131 tert-Butylbenzene	1.10905	0.97041	0.96704	1.20083	1.12265	1.09143		
	1.13034						1.08453	7.946
133 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
132 1,2,4-Trimethylbenzene	0.61183	0.47527	0.50031	0.62321	0.65191	0.66883		
	0.67525						0.60095	13.461
134 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
135 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

TestAmerica Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:17
End Cal Date : 24-SEP-2010 08:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 / 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
136 sec-Butylbenzene	2.08568	1.85864	1.88754	2.28050	2.17071	2.12700			
	2.06665						2.06810	7.277	
138 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
137 1,3-Dichlorobenzene	1.01623	0.84491	0.86679	0.92376	1.00337	0.99211			
	1.01620						0.95191	7.675	
139 p-Isopropyltoluene (p-Cymene)	1.57822	1.45640	1.56545	1.59505	1.76926	1.75800			
	1.75814						1.64007	7.455	
140 1,4-Dichlorobenzene	1.12466	0.86550	0.99091	1.01472	1.09089	1.08714			
	1.10654						1.04005	8.769	
141 Benzyl Chloride	+++++	+++++	0.38898	0.54979	0.65968	0.79670			
	0.94980						0.66899	32.394	<-
142 n-Butylbenzene	0.68053	0.68673	0.73929	0.73738	0.83497	0.83466			
	0.87516						0.76982	10.119	
143 1,2-Dichlorobenzene	0.94166	0.82169	0.87093	0.91433	0.95717	0.95374			
	0.96291						0.91749	5.783	
144 n-Undecane	0.72907	0.55432	0.67388	0.60154	0.64751	0.67831			
	0.75431						0.66271	10.470	
145 1,2-Dibromo-3-chloropropane	+++++	+++++	0.35511	0.46814	0.58745	0.75963			
	0.90400						0.61487	35.845	<-
146 Phenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	

TestAmerica Los Angeles

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:17
End Cal Date : 24-SEP-2010 08:32
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\tailax65\msa_c\chem\MSA.i\100928.b\TO14A.M
Last Edit : 28-Sep-2010 15:48 almagroa
Curve Type : Average

Compound	2.000 Level 1 250.000 Level 7	4.000 Level 2	10.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD
148 1,2,4-Trichlorobenzene	0.44219 0.57900	0.44362	0.49264	0.51588	0.51567	0.54993	0.50556	10.083
147 n-Dodecane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 Hexachlorobutadiene	0.79787 0.92196	0.76684	0.81323	0.83536	0.87597	0.90334	0.84494	6.784
150 Naphthalene	+++++ 0.82329	0.58459	0.69284	0.67433	0.67678	0.73103	0.69714	11.237
151 1,2,3-Trichlorobenzene	0.38726 0.51740	0.37133	0.45090	0.44661	0.44138	0.47240	0.44104	11.221
152 Tridecane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 Tetradecane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
154 Pentadecane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 65 1,2-Dichloroethane-d4	1.11076 1.08013	1.11011	1.12464	1.12038	1.09358	1.03910	1.09696	2.715
$ 88 Toluene-d8	0.48857 0.47573	0.48691	0.50658	0.48767	0.49660	0.50640	0.49264	2.284
$ 114 4-Bromofluorobenzene	0.95348 0.95727	0.80444	0.80979	0.91956	0.79487	0.93341	0.88183	8.493

TestAmerica Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSA.i
Lab File ID: CC09282.D
Analysis Type: AIR
Lab Sample ID: CCV CORP
Method: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\TO14A.m

Injection Date: 28-SEP-2010 11:43
Init. Cal. Date(s): 17-AUG-2010 24-SEP-2010
Init. Cal. Times: 17:17 08:32
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
3 Propene	0.30857	0.33830	0.010	9.6	30.5	
4 Dichlorodifluoromethane (F1	5.10224	4.93295	0.010	-3.3	30.5	
5 Chlorodifluoromethane (F22)	1.63749	1.79485	0.010	9.6	30.5	
7 1,2-Cl-1,1,2,2,F Ethane(F11	3.81923	3.56519	0.010	-6.7	30.5	
8 Chloromethane	0.10210	0.12192	0.100	19.4	30.5	
12 n-Butane	0.87459	0.98791	0.010	13.0	30.5	
11 Vinyl Chloride	0.63362	0.68841	0.010	8.6	30.5	
13 1,3-Butadiene	0.41386	0.48877	0.010	18.1	30.5	
17 Bromomethane	0.85949	0.83289	0.010	-3.1	30.5	
19 Chloroethane	0.38516	0.42837	0.010	11.2	30.5	
20 Acrolein	0.14709	0.15818	0.010	7.5	30.5	
21 Vinyl Bromide	1.13032	1.13024	0.010	-0.0	30.5	
22 Trichlorofluoromethane (F11	3.96372	3.78242	0.010	-4.6	30.5	
23 n-Pentane	1.31734	1.51384	0.010	14.9	30.5	
27 Ether (Diethyl ether)	0.57341	0.60228	0.010	5.0	30.5	
29 1,1-Dichloroethene	1.88464	1.73328	0.010	-8.0	30.5	
30 1,1,2-CL 1,2,2-F ethane(F11	4.78190	4.02733	0.010	-15.8	30.5	
31 Acetone	0.23738	0.24381	0.010	2.7	30.5	
33 Carbon Disulfide	1.96170	1.97803	0.010	0.8	30.5	
34 2-Propanol	0.78285	0.66446	0.010	-15.1	30.5	
35 Allyl Chloride	0.60865	0.75516	0.010	24.1	30.5	
38 Methylene Chloride	0.86564	0.91105	0.010	5.2	30.5	
40 Acrylonitrile	0.28719	0.33875	0.010	18.0	30.5	
41 trans-1,2-Dichloroethene	1.34194	1.39829	0.010	4.2	30.5	
42 Methyl-tert-butyl ether(MTB	2.87640	2.31948	0.010	-19.4	30.5	
44 n-Hexane	1.02153	1.17512	0.010	15.0	30.5	
46 1,1-Dichloroethane	1.58695	1.67170	0.100	5.3	30.5	
48 Vinyl Acetate	1.69313	2.06189	0.010	21.8	30.5	
54 cis-1,2-Dichloroethene	1.01523	1.03780	0.010	2.2	30.5	
55 2-Butanone	0.35282	0.36542	0.010	3.6	30.5	
56 Ethyl Acetate	2.12066	1.44066	0.010	-32.1	30.5	<-
59 Tetrahydrofuran	0.69929	0.81190	0.010	16.1	30.5	
60 Chloroform	2.31311	2.34803	0.010	1.5	30.5	
61 1,1,1-Trichloroethane	2.34785	2.11546	0.010	-9.9	30.5	
62 Cyclohexane	1.30443	1.31252	0.010	0.6	30.5	

TestAmerica Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSA.i
Lab File ID: CC09282.D
Analysis Type: AIR
Lab Sample ID: CCV CORP
Method: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\TO14A.m

Injection Date: 28-SEP-2010 11:43
Init. Cal. Date(s): 17-AUG-2010 24-SEP-2010
Init. Cal. Times: 17:17 08:32
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	63 Carbon Tetrachloride	1.44284	0.96482	0.010	-33.1	30.5	<-
$	65 1,2-Dichloroethane-d4	1.09696	1.14331	0.010	4.2	30.5	
	66 Benzene	0.61847	0.65758	0.010	6.3	30.5	
	68 1,2-Dichloroethane	0.34160	0.35160	0.010	2.9	30.5	
	70 2,2,4-Trimethylpentane	1.62479	1.78852	0.010	10.1	30.5	
	73 n-Heptane	0.46805	0.55422	0.010	18.4	30.5	
	77 Trichloroethene	0.44797	0.43941	0.010	-1.9	30.5	
	78 1,2-Dichloropropane	0.13301	0.12071	0.010	-9.3	30.5	
	79 Dibromomethane	0.60199	0.52779	0.010	-12.3	30.5	
	80 Methyl methacrylate	0.27846	0.29710	0.010	6.7	30.5	
	81 1,4-Dioxane	0.14740	0.14920	0.010	1.2	30.5	
	82 Bromodichloromethane	0.42319	0.42353	0.010	0.1	30.5	
	85 cis-1,3-Dichloropropene	0.39493	0.35655	0.010	-9.7	30.5	
	86 4-Methyl-2-Pentanone	0.22072	0.23719	0.010	7.5	30.5	
$	88 Toluene-d8	0.49264	0.46848	0.010	-4.9	30.5	
	89 Toluene	0.83951	0.85333	0.010	1.6	30.5	
	90 n-Octane	0.70524	0.82530	0.010	17.0	30.5	
	91 trans-1,3-Dichloropropene	0.30371	0.25365	0.010	-16.5	30.5	
	92 1,1,2-Trichloroethane	0.34018	0.33403	0.010	-1.8	30.5	
	94 Tetrachloroethene	0.75776	0.63826	0.010	-15.8	30.5	
	95 2-Hexanone	0.37729	0.48639	0.010	28.9	30.5	
	96 Dibromochloromethane	1.09027	1.06488	0.010	-2.3	30.5	
	97 1,2-Dibromoethane	0.96874	0.99525	0.010	2.7	30.5	
	100 Chlorobenzene	0.98123	0.97876	0.300	-0.3	30.5	
	102 Ethylbenzene	1.57990	1.66263	0.010	5.2	30.5	
	105 m,p-Xylenes	0.56904	0.61433	0.010	8.0	30.5	
	106 n-Nonane	1.04667	1.25798	0.010	20.2	30.5	
M	107 Xylenes (total)	0.54356	0.59172	0.010	8.9	30.5	
	108 o-Xylene	0.49260	0.54649	0.010	10.9	30.5	
	109 Styrene	0.77407	0.88121	0.010	13.8	30.5	
	111 Bromoform	1.09727	1.04238	0.100	-5.0	30.5	
	112 Isopropylbenzene (Cumene)	0.44849	0.50753	0.010	13.2	30.5	
$	114 4-Bromofluorobenzene	0.88183	1.00353	0.010	13.8	30.5	
	118 1,1,2,2-Tetrachloroethane	1.05892	1.28434	0.300	21.3	30.5	
	120 1,2,3-Trichloropropane	0.31489	0.35370	0.010	12.3	30.5	

TestAmerica Los Angeles

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSA.i
Lab File ID: CC09282.D
Analysis Type: AIR
Lab Sample ID: CCV CORP
Method: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\TO14A.m

Injection Date: 28-SEP-2010 11:43
Init. Cal. Date(s): 17-AUG-2010 24-SEP-2010
Init. Cal. Times: 17:17 08:32
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
121 n-Propylbenzene	1.94468	2.38098	0.010	22.4	30.5	
123 2-Chlorotoluene	0.36609	0.42208	0.010	15.3	30.5	
124 4-Ethyl Toluene	1.54750	1.90897	0.010	23.4	30.5	
126 1,3,5-Trimethylbenzene	1.45065	1.67799	0.010	15.7	30.5	
129 .alpha.-Methylstyrene	0.52651	0.65566	0.010	24.5	30.5	
131 tert-Butylbenzene	1.08453	1.27923	0.010	18.0	30.5	
132 1,2,4-Trimethylbenzene	0.60095	0.66358	0.010	10.4	30.5	
136 sec-Butylbenzene	2.06810	2.52607	0.010	22.1	30.5	
137 1,3-Dichlorobenzene	0.95191	1.05034	0.010	10.3	30.5	
139 p-Isopropyltoluene (p-Cymen	1.64007	2.03017	0.010	23.8	30.5	
140 1,4-Dichlorobenzene	1.04005	1.18240	0.010	13.7	30.5	
141 Benzyl Chloride	0.66899	0.51005	0.010	-23.8	30.5	
142 n-Butylbenzene	0.76982	1.02048	0.010	32.6	30.5	<-
143 1,2-Dichlorobenzene	0.91749	1.03156	0.010	12.4	30.5	
144 n-Undecane	0.66271	0.92859	0.010	40.1	30.5	<-
148 1,2,4-Trichlorobenzene	0.50556	0.54972	0.010	8.7	30.5	
149 Hexachlorobutadiene	0.84494	0.73880	0.010	-12.6	30.5	
150 Naphthalene	0.69714	0.76001	0.010	9.0	30.5	
151 1,2,3-Trichlorobenzene	0.44104	0.47065	0.010	6.7	30.5	

TestAmerica Los Angeles

Data file : \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\BF09281.D
Lab Smp Id: BFB Client Smp ID: 9110059
Inj Date : 28-SEP-2010 10:41
Operator : LY Inst ID: MSA.i
Smp Info : BFB,9110059,,TUNING
Misc Info : 1,1,28,28,3,,BFB,,,
Comment :
Method : \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\BFB.m
Meth Date : 24-Jun-2010 18:52 almagroa Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.04 Sample Matrix: AIR
Processing Host: TAILAX65

Concentration Formula: Amt * DF * Uf * Vf

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 4-Bromofluorobenzene						CAS #: 460-00-4		
4.529	4.500	(0.000)	95	227519			0.00- 100.00	100.00
4.529	4.500	(0.000)	50	44221			15.00- 40.00	19.44
4.529	4.500	(0.000)	75	107019			30.00- 60.00	47.04
4.529	4.500	(0.000)	96	15421			5.00- 9.00	6.78
4.529	4.500	(0.000)	173	0			0.00- 2.00	0.00
4.529	4.500	(0.000)	174	187604			50.00- 0.00	82.46
4.529	4.500	(0.000)	175	10968			5.00- 9.00	5.85
4.529	4.500	(0.000)	176	188714			95.00- 101.00	100.59
4.529	4.500	(0.000)	177	9882			5.00- 9.00	5.24

Data File: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\BF09281.D

Date : 28-SEP-2010 10:41

Client ID: 9110059

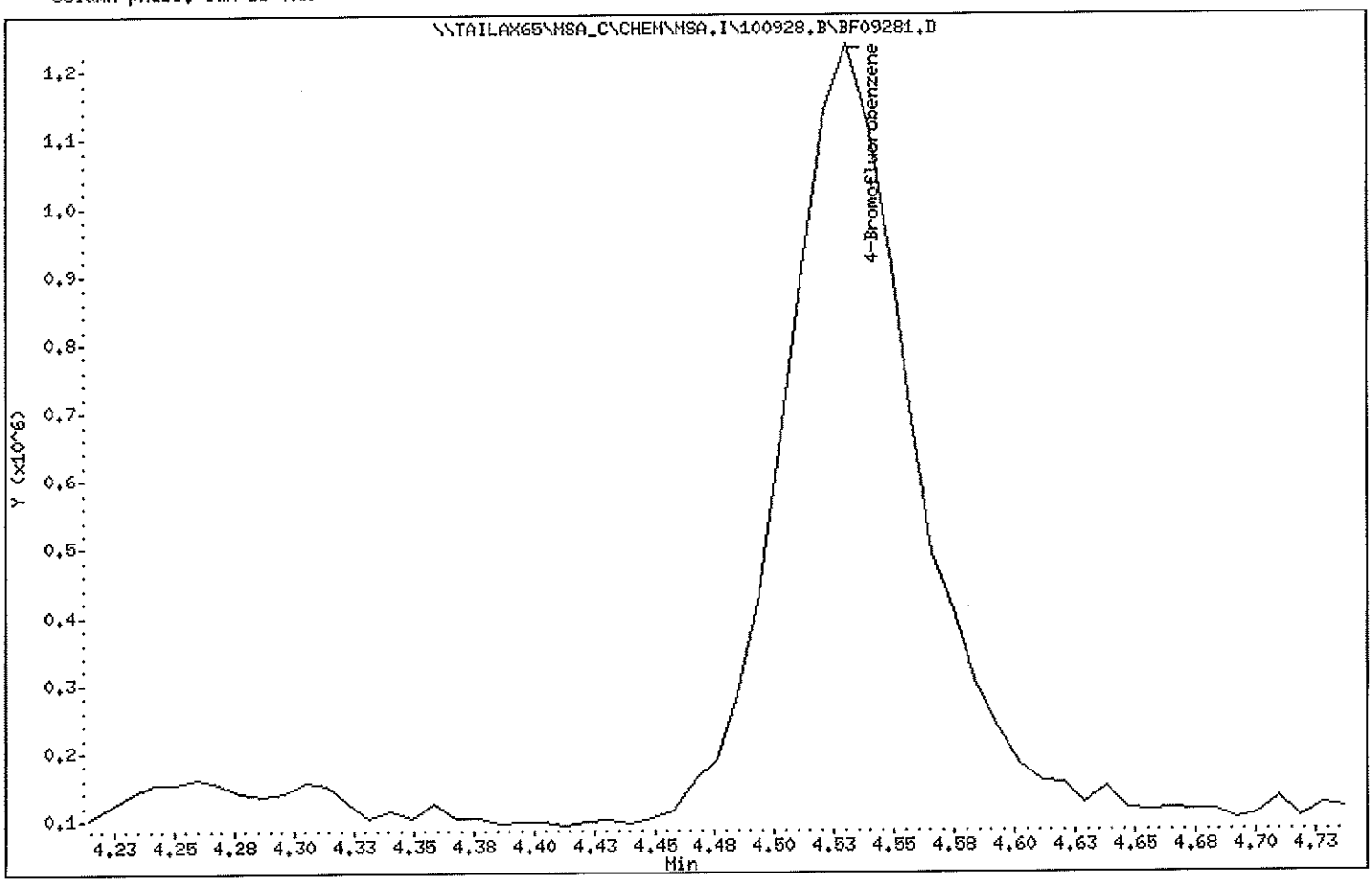
Instrument: MSA.i

Sample Info: BFB,9110059,,TUNING

Operator: LY

Column phase: J&W DB-VRX

Column diameter: 0.45



Data File: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\BF09281.D

Date : 28-SEP-2010 10:41

Client ID: 9110059

Instrument: MSA.i

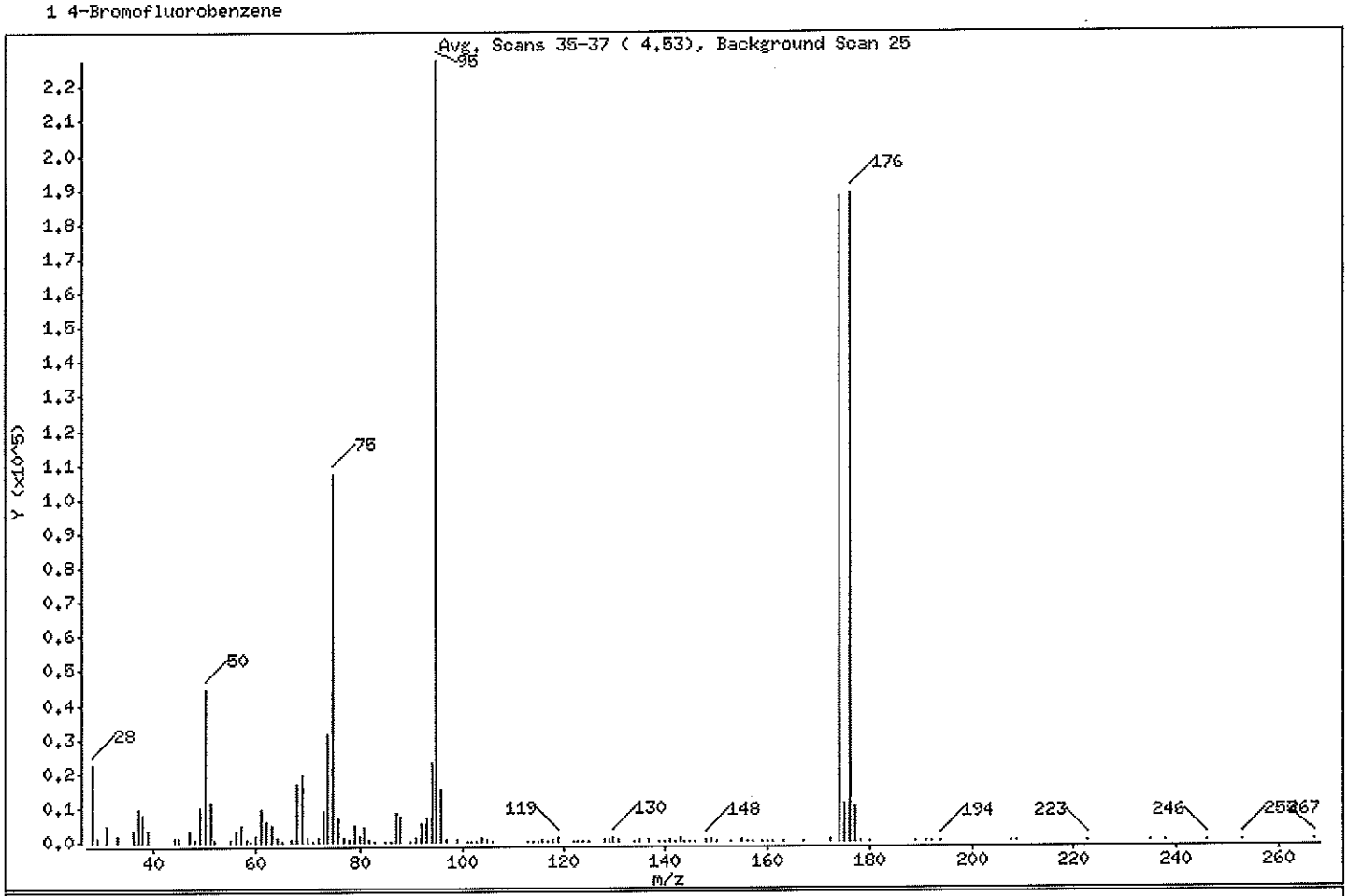
Sample Info: BFB,9110059,,TUNING

Operator: LY

Column phase: J&W DB-VRX

Column diameter: 0.45

1 4-Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.44
75	30.00 - 60.00% of mass 95	47.04
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.46
175	5.00 - 9.00% of mass 174	4.82 (5.85)
176	95.00 - 101.00% of mass 174	82.94 (100.59)
177	5.00 - 9.00% of mass 176	4.34 (5.24)

AA 9/28/10

Data File: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\BF09281.D

Date : 28-SEP-2010 10:41

Client ID: 9110059 Instrument: MSA.i

Sample Info: BFB,9110059,,TUNING

Operator: LY

Column phase: J&W DB-VRX Column diameter: 0.45

Data File: BF09281.D
Spectrum: Avg. Scans 35-37 (4.53), Background Scan 25
Location of Maximum: 95.00
Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	22464	71.00	178	106.00	223	155.00	329
29.00	837	72.00	1271	113.00	235	156.00	105
31.00	4469	73.00	9065	114.00	95	157.00	152
33.00	1546	74.00	31448	115.00	243	159.00	164
36.00	2886	75.00	107016	116.00	541	160.00	73
37.00	9583	76.00	7032	117.00	228	161.00	247
38.00	7858	77.00	1269	118.00	492	163.00	213
39.00	3117	78.00	541	119.00	1188	167.00	89
44.00	1011	79.00	4677	122.00	116	172.00	323
45.00	974	80.00	1402	123.00	207	174.00	187584
47.00	3086	81.00	4412	124.00	111	175.00	10968
48.00	612	82.00	743	125.00	115	176.00	188672
49.00	9821	83.00	99	128.00	606	177.00	9882
50.00	44216	85.00	88	129.00	424	178.00	170
51.00	11699	86.00	212	130.00	1241	180.00	83
52.00	368	87.00	8194	131.00	530	189.00	72
55.00	533	88.00	7321	134.00	75	191.00	78
56.00	2987	90.00	63	135.00	304	192.00	135
57.00	4643	91.00	1260	137.00	363	194.00	253
58.00	527	92.00	5134	139.00	258	208.00	144
59.00	184	93.00	6660	140.00	68	209.00	93
60.00	1595	94.00	22960	141.00	777	223.00	222
61.00	9171	95.00	227456	142.00	189	235.00	125
62.00	5985	96.00	15421	143.00	1029	238.00	147
63.00	4868	97.00	480	144.00	117	246.00	208
64.00	903	99.00	292	145.00	61	253.00	98
65.00	153	101.00	95	146.00	138	267.00	118
67.00	472	102.00	98	148.00	460		
68.00	16824	103.00	114	149.00	366		
69.00	19288	104.00	817	150.00	74		
70.00	862	105.00	326	153.00	146		

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: LTI0717-24

Lab File ID (Standard): CC09282 Date Analyzed: 09/28/10

Instrument ID: MSA Time Analyzed: 1143

Matrix:(soil/water) AIR Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	1184019	9.33	4594173	11.06	2644744	16.17
	UPPER LIMIT	1657627	9.83	6431842	11.56	3702642	16.67
	LOWER LIMIT	710411	8.83	2756504	10.56	1586846	15.67
	EPA SAMPLE NO.						
01	LT01296	1202451	9.28	4577091	11.02	2694022	16.15
02	LT01296	1184840	9.27	4788892	11.02	2970744	16.14
03	GL0109	1123179	9.23	4664796	11.00	2811849	16.14
04	ESV-04 ✓	1154478	9.18	4635056	10.96	2837647	16.13
05	ZONE	1306104	9.22	5108239	11.00	3097893	16.13
06	ESV-04 ✓	1248166	9.26	4935577	11.02	3012443	16.15
07	INFLUENT 092	1201955	9.24	4848326	11.01	2981439	16.13
08	EFFLUENT 092	930577	9.23	4345304	11.00	2633435	16.13
09	VE-17	1113826	9.21	4387742	10.98	2594694	16.13
10	VE-7	1012045	9.29	4454374	11.02	2672636	16.14
11	VE-8	1282822	9.28	4947434	11.02	2905689	16.13
12	VE-9	1050313	9.24	4427873	11.00	3099279	16.12
13	VE-10	1294692	9.28	4999407	11.02	2929820	16.13
14	VE-11	1278918	9.29	5011083	11.02	2896464	16.13
15	MD50-10-2631	1190859	9.23	4890415	11.00	2905602	16.13
16	VE-1	1190050	9.23	4627720	11.01	2875987	16.13
17	VE-2	1135333	9.26	4340173	11.00	3064159	16.13
18	VE-3	1109258	9.28	4274962	11.01	3053473	16.14
19	VE-4	1125443	9.24	4625461	11.00	3385274	16.13
20	VE-5	1063202	9.25	4190864	11.01	3034708	16.13
21	VE-6	1196262	9.26	4539802	11.00	3418126	16.12
22	MD50-10-2631	1027400	9.23	4233735	10.99	3083134	16.13

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 40% of internal standard area.
LOWER LIMIT = - 40% of internal standard area.

Column used to flag internal standard area values with an asterisk.

TestAmerica Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\TAILAX65\MSA_C\chem\MSA.i\100928.b\MB09281.D
Lab Smp Id: BLANK Client Smp ID: GL0109
Inj Date : 28-SEP-2010 14:28
Operator : LY Inst ID: MSA.i
Smp Info : BLANK,GL0109,,METHOD BLANK
Misc Info : 1,1,500,500,3,,BLANK,BLANK.SUB,0,
Comment :
Method : \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\TO14A.m
Meth Date : 28-Sep-2010 12:39 donga Quant Type: ISTD
Cal Date : 24-SEP-2010 08:32 Cal File: IC09236.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: BLANK.SUB
Subtraction File: \\TAILAX65\MSA_C
Target Version: 4.04
Processing Host: TAILAX65

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	1.000	FinalPres
InitPres	1.000	InitPres
CalVol	500.000	CalVol
SmpVol	500.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
* 58 Bromochloromethane	130	9.230	9.332	(1.000)	1123179	50.0000	
$ 65 1,2-Dichloroethane-d4	65	10.221	10.314	(1.107)	1445559	58.6634	58.66
* 76 1,4-Difluorobenzene	114	10.996	11.062	(1.000)	4664796	50.0000	
$ 88 Toluene-d8	100	13.554	13.602	(1.233)	2301073	50.0658	50.06
* 99 Chlorobenzene-d5	117	16.139	16.170	(1.000)	2811849	50.0000	
$ 114 4-Bromofluorobenzene	95	18.338	18.341	(1.136)	2713367	54.7143	54.71

TestAmerica Los Angeles

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: BLANK
Level: LOW
Data Type: MS DATA
SpikeList File: SH.spk
Sublist File: BLANK.SUB
Client SDG: METHOD BLANK
Fraction: VOA
Client Smp ID: GL0109
Operator: LY
SampleType: BLANK
Quant Type: ISTD
Method File: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\TO14A.m
Misc Info: 1,1,500,500,3,,BLANK,BLANK.SUB,0,

SURROGATE COMPOUND	AMOUNT ADDED ppbv	AMOUNT RECOVERED ppbv	% RECOVERED	LIMITS
$ 65 1,2-Dichloroethane	50.00	58.66	117.32	70-130
$ 88 Toluene-d8	50.00	50.06	100.12	70-130
$ 114 4-Bromofluorobenze	50.00	54.71	109.42	70-130

TestAmerica Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\TAILAX65\MSA_C\chem\MSA.i\100928.b\A0014.D
Lab Smp Id: LTI0206-01 Client Smp ID: ESV-04
Inj Date : 28-SEP-2010 15:09
Operator : LY Inst ID: MSA.i
Smp Info : LTI0206-01,ESV-04,EGROUP,LTI0206-01
Misc Info : 17.5,6.74,500,250,0,,,DCW.SUB,0,
Comment :
Method : \\TAILAX65\MSA_C\chem\MSA.i\100928.b\TO14A.m
Meth Date : 28-Sep-2010 15:48 almagroa Quant Type: ISTD
Cal Date : 24-SEP-2010 08:32 Cal File: IC09236.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DCW.SUB
Subtraction File: \\TAILAX65\MSA_C
Target Version: 4.04
Processing Host: TAILAX65

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	17.500	FinalPres
InitPres	6.740	InitPres
CalVol	500.000	CalVol
SmpVol	250.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	CONCENTRATIONS FINAL (ppbv)	
* 58 Bromochloromethane	130	9.179	9.332	(1.000)	1154478	50.0000		Cy09/30/0
$ 65 1,2-Dichloroethane-d4	65	10.179	10.314	(1.109)	1406357	55.5252	288.3	
* 76 1,4-Difluorobenzene	114	10.962	11.062	(1.000)	4635056	50.0000		
77 Trichloroethene	130	11.422	11.512	(1.042)	411852	9.91759	51.50	-OK
$ 88 Toluene-d8	100	13.530	13.602	(1.234)	2171016	47.5392	246.9	
94 Tetrachloroethene	166	14.656	14.692	(1.337)	23354559	332.474	1726	-O/R
* 99 Chlorobenzene-d5	117	16.133	16.170	(1.000)	2837647	50.0000		
$ 114 4-Bromofluorobenzene	95	18.322	18.341	(1.136)	2770528	55.3591	287.5	

Data File: \\TAILAX65\MSA_C\chem\MSA.i\100928.b\A0014.D
Report Date: 28-Sep-2010 15:50

TestAmerica Los Angeles

RECOVERY REPORT

Client Name: EGROUP
Sample Matrix: GAS
Lab Smp Id: LTI0206-01
Level: LOW
Data Type: MS DATA
SpikeList File: SH.spk
Sublist File: DCW.SUB
Method File: \\TAILAX65\MSA_C\chem\MSA.i\100928.b\TO14A.m
Misc Info: 17.5,6.74,500,250,0,,,DCW.SUB,0,

Client SDG: LTI0206-01
Fraction: VOA
Client Smp ID: ESV-04
Operator: LY
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ppbv	AMOUNT RECOVERED ppbv	% RECOVERED	LIMITS
$ 65 1,2-Dichloroethane	50.00	55.52	111.04	0-130
$ 88 Toluene-d8	50.00	47.54	95.08	0-130
$ 114 4-Bromofluorobenze	50.00	55.36	110.72	0-130

TestAmerica Los Angeles

AIR TOXICS - TO-14A/TO-15 MEDIUM LEVEL

Data file : \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\A0016.D
Lab Smp Id: LTI0206-01RE1 Client Smp ID: ESV-04
Inj Date : 28-SEP-2010 16:27
Operator : LY Inst ID: MSA.i
Smp Info : LTI0206-01RE1,ESV-04,EGROUP,LTI0206-01
Misc Info : 17.5,6.74,500,50,0,,,DCW.SUB,0,
Comment :
Method : \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\TO14A.m
Meth Date : 28-Sep-2010 15:48 almagroa Quant Type: ISTD
Cal Date : 24-SEP-2010 08:32 Cal File: IC09236.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: DCW.SUB
Subtraction File: \\TAILAX65\MSA_C
Target Version: 4.04
Processing Host: TAILAX65

Concentration Formula: Amt * DF * (FinalPres / InitPres)*(CalVol / SmpVol)

Name	Value	Description
DF	1.000	Dilution Factor
FinalPres	17.500	FinalPres
InitPres	6.740	InitPres
CalVol	500.000	CalVol
SmpVol	50.000	SmpVol

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppbv)	FINAL (ppbv)
* 58 Bromochloromethane	130	9.260	9.332	(1.000)	1248166	50.0000	
$ 65 1,2-Dichloroethane-d4	65	10.259	10.314	(1.108)	1524325	55.6654	1445
* 76 1,4-Difluorobenzene	114	11.016	11.062	(1.000)	4935577	50.0000	
77 Trichloroethene	130	11.458	11.512	(1.040)	65505	1.48135	38.46(a)
$ 88 Toluene-d8	100	13.566	13.602	(1.231)	2327931	47.8714	1243
94 Tetrachloroethene	166	14.665	14.692	(1.331)	4063153	54.3207	1410
* 99 Chlorobenzene-d5	117	16.151	16.170	(1.000)	3012443	50.0000	
$ 114 4-Bromofluorobenzene	95	18.322	18.341	(1.134)	2919863	54.9577	1427

Cy09320

— OK

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

TestAmerica Los Angeles

RECOVERY REPORT

Client Name: EGROUP
Sample Matrix: GAS
Lab Smp Id: LTI0206-01RE1
Level: LOW
Data Type: MS DATA
SpikeList File: SH.spk
Sublist File: DCW.SUB
Method File: \\TAILAX65\MSA_C\CHEM\MSA.I\100928.B\TO14A.m
Misc Info: 17.5,6.74,500,50,0,,,DCW.SUB,0,

Client SDG: LTI0206-01
Fraction: VOA
Client Smp ID: ESV-04
Operator: LY
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ppbv	AMOUNT RECOVERED ppbv	% RECOVERED	LIMITS
$ 65 1,2-Dichloroethane	50.00	55.66	111.32	0-130
$ 88 Toluene-d8	50.00	47.87	95.74	0-130
$ 114 4-Bromofluorobenze	50.00	54.96	109.92	0-130

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

END OF RAW DATA

ATTACHMENT C

ANALYTICAL REPORT

Job Number: 280-7635-1

Job Description: Deluxe Cleaners Cheyenne, WY

For:
EnviroGroup Limited
7009 South Potomac Street
Suite 300
Centennial, CO 80112

Attention: Mr. Jeff Kurtz

Lori Parsons

Approved for release.
Lori A Parsons
Project Manager I
9/30/2010 4:50 PM

Lori A Parsons
Project Manager I
lori.parsons@testamericainc.com
09/30/2010

cc: Ms. Aleksandra Kozakowski
Ms. Martina Litasi
Mr. Garry Stanley

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE

Client: EnviroGroup Limited

Project: Deluxe Cleaners Cheyenne, WY

Report Number: 280-7635-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 09/22/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TB092210 (280-7635-1) and EMW-01 (280-7635-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/29/2010.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnviroGroup Limited

Job Number: 280-7635-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-7635-2	**EMW-01**					
4-Methyl-2-pentanone (MIBK)		1.7	J	5.0	ug/L	8260B

METHOD SUMMARY

Client: EnviroGroup Limited

Job Number: 280-7635-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: EnviroGroup Limited

Job Number: 280-7635-1

Method	Analyst	Analyst ID
SW846 8260B	Jackson, Todd D	TDJ

SAMPLE SUMMARY

Client: EnviroGroup Limited

Job Number: 280-7635-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-7635-1	TB092210	Water	09/22/2010 0900	09/22/2010 1150
280-7635-2	EMW-01	Water	09/22/2010 0920	09/22/2010 1150

SAMPLE RESULTS

Client: EnviroGroup Limited

Job Number: 280-7635-1

Client Sample ID: **TB092210**

Lab Sample ID: 280-7635-1

Client Matrix: Water

Date Sampled: 09/22/2010 0900

Date Received: 09/22/2010 1150

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-33689	Instrument ID:	MSV_R2
Preparation:	5030B		Lab File ID:	RR10059.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	09/29/2010 0319		Final Weight/Volume:	20 mL
Date Prepared:	09/29/2010 0319			

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	ND		0.15	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
m-Xylene & p-Xylene	ND		0.34	2.0
N-Propylbenzene	ND		0.16	1.0
n-Butylbenzene	ND		0.14	1.0
o-Xylene	ND		0.19	1.0
sec-Butylbenzene	ND		0.17	1.0
tert-Butylbenzene	ND		0.16	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
Acetone	ND		1.9	10
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Chlorobromomethane	ND		0.10	1.0
Dichlorobromomethane	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chlorodibromomethane	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
Dibromomethane	ND		0.17	1.0
Dichlorodifluoromethane	ND		0.31	2.0
Ethylbenzene	ND		0.16	1.0
Hexachlorobutadiene	ND		0.12	1.0
Isopropylbenzene	ND		0.19	1.0
Methyl tert-butyl ether	ND		0.25	5.0
Methylene Chloride	ND		0.32	2.0
Naphthalene	ND		0.22	1.0
Styrene	ND		0.17	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
Vinyl chloride	ND		0.40	1.0
Xylenes, Total	ND		0.19	2.0
1,1-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,1-Dichloropropene	ND		0.19	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0

Client: EnviroGroup Limited

Job Number: 280-7635-1

Client Sample ID: **TB092210**

Lab Sample ID: 280-7635-1

Client Matrix: Water

Date Sampled: 09/22/2010 0900

Date Received: 09/22/2010 1150

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-33689	Instrument ID:	MSV_R2
Preparation:	5030B		Lab File ID:	RR10059.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	09/29/2010 0319		Final Weight/Volume:	20 mL
Date Prepared:	09/29/2010 0319			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,2-Dichloroethane	ND		0.13	1.0
1,2-Dichloroethene, Total	ND		0.24	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,3-Trichloropropane	ND		0.33	2.5
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
2-Butanone (MEK)	ND		2.0	6.0
2-Chlorotoluene	ND		0.17	1.0
2-Hexanone	ND		1.7	5.0
2,2-Dichloropropane	ND		0.18	1.0
4-Chlorotoluene	ND		0.21	1.0
4-Isopropyltoluene	ND		0.20	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 127
Toluene-d8 (Surr)	98		80 - 125
4-Bromofluorobenzene (Surr)	96		78 - 120
Dibromofluoromethane (Surr)	98		77 - 120

Client: EnviroGroup Limited

Job Number: 280-7635-1

Client Sample ID: **EMW-01**

Lab Sample ID: 280-7635-2

Client Matrix: Water

Date Sampled: 09/22/2010 0920

Date Received: 09/22/2010 1150

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-33689	Instrument ID:	MSV_R2
Preparation:	5030B		Lab File ID:	RR10060.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	09/29/2010 0340		Final Weight/Volume:	20 mL
Date Prepared:	09/29/2010 0340			

Analyte	Result (ug/L)	Qualifier	MDL	RL
cis-1,2-Dichloroethene	ND		0.15	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
m-Xylene & p-Xylene	ND		0.34	2.0
N-Propylbenzene	ND		0.16	1.0
n-Butylbenzene	ND		0.14	1.0
o-Xylene	ND		0.19	1.0
sec-Butylbenzene	ND		0.17	1.0
tert-Butylbenzene	ND		0.16	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
Acetone	ND		1.9	10
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Chlorobromomethane	ND		0.10	1.0
Dichlorobromomethane	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chlorodibromomethane	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
Dibromomethane	ND		0.17	1.0
Dichlorodifluoromethane	ND		0.31	2.0
Ethylbenzene	ND		0.16	1.0
Hexachlorobutadiene	ND		0.12	1.0
Isopropylbenzene	ND		0.19	1.0
Methyl tert-butyl ether	ND		0.25	5.0
Methylene Chloride	ND		0.32	2.0
Naphthalene	ND		0.22	1.0
Styrene	ND		0.17	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
Vinyl chloride	ND		0.40	1.0
Xylenes, Total	ND		0.19	2.0
1,1-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,1-Dichloropropene	ND		0.19	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0

Client: EnviroGroup Limited

Job Number: 280-7635-1

Client Sample ID: **EMW-01**

Lab Sample ID: 280-7635-2

Client Matrix: Water

Date Sampled: 09/22/2010 0920

Date Received: 09/22/2010 1150

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-33689	Instrument ID:	MSV_R2
Preparation:	5030B		Lab File ID:	RR10060.D
Dilution:	1.0		Initial Weight/Volume:	20 mL
Date Analyzed:	09/29/2010 0340		Final Weight/Volume:	20 mL
Date Prepared:	09/29/2010 0340			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2-Dibromoethane	ND		0.18	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,2-Dichloroethane	ND		0.13	1.0
1,2-Dichloroethene, Total	ND		0.24	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,3-Trichloropropane	ND		0.33	2.5
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
2-Butanone (MEK)	ND		2.0	6.0
2-Chlorotoluene	ND		0.17	1.0
2-Hexanone	ND		1.7	5.0
2,2-Dichloropropane	ND		0.18	1.0
4-Chlorotoluene	ND		0.21	1.0
4-Isopropyltoluene	ND		0.20	1.0
4-Methyl-2-pentanone (MIBK)	1.7	J	0.98	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 127
Toluene-d8 (Surr)	100		80 - 125
4-Bromofluorobenzene (Surr)	97		78 - 120
Dibromofluoromethane (Surr)	102		77 - 120

DATA REPORTING QUALIFIERS

Client: EnviroGroup Limited

Job Number: 280-7635-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: EnviroGroup Limited

Job Number: 280-7635-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-33689					
LCS 280-33689/4	Lab Control Sample	T	Water	8260B	
LCSD 280-33689/5	Lab Control Sample Duplicate	T	Water	8260B	
MB 280-33689/6	Method Blank	T	Water	8260B	
280-7449-J-5 MS	Matrix Spike	T	Water	8260B	
280-7449-J-5 MSD	Matrix Spike Duplicate	T	Water	8260B	
280-7635-1	TB092210	T	Water	8260B	
280-7635-2	EMW-01	T	Water	8260B	

Report Basis

T = Total

Client: EnviroGroup Limited

Job Number: 280-7635-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
280-7635-1	TB092210	99	98	96	98
280-7635-2	EMW-01	102	100	97	102
MB 280-33689/6		100	104	101	101
LCS 280-33689/4		100	105	105	102
LCSD 280-33689/5		103	102	98	109
280-7449-J-5 MS		109	101	100	97
280-7449-J-5 MSD		106	98	96	103

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
TOL = Toluene-d8 (Surr)	80-125
BFB = 4-Bromofluorobenzene (Surr)	78-120
DBFM = Dibromofluoromethane (Surr)	77-120

Client: EnviroGroup Limited

Job Number: 280-7635-1

Method Blank - Batch: 280-33689

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-33689/6	Analysis Batch:	280-33689	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR10044.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	09/28/2010 2136			Final Weight/Volume:	20 mL
Date Prepared:	09/28/2010 2136				

Analyte	Result	Qual	MDL	RL
cis-1,2-Dichloroethene	ND		0.15	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
m-Xylene & p-Xylene	ND		0.34	2.0
N-Propylbenzene	ND		0.16	1.0
n-Butylbenzene	ND		0.14	1.0
o-Xylene	ND		0.19	1.0
sec-Butylbenzene	ND		0.17	1.0
tert-Butylbenzene	ND		0.16	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
Acetone	ND		1.9	10
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Chlorobromomethane	ND		0.10	1.0
Dichlorobromomethane	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chlorodibromomethane	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
Dibromomethane	ND		0.17	1.0
Dichlorodifluoromethane	ND		0.31	2.0
Ethylbenzene	ND		0.16	1.0
Hexachlorobutadiene	ND		0.12	1.0
Isopropylbenzene	ND		0.19	1.0
Methyl tert-butyl ether	ND		0.25	5.0
Methylene Chloride	ND		0.32	2.0
Naphthalene	ND		0.22	1.0
Styrene	ND		0.17	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
Vinyl chloride	ND		0.40	1.0
Xylenes, Total	ND		0.19	2.0
1,1-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,1-Dichloropropene	ND		0.19	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,1,2-Tetrachloroethane	ND		0.21	1.0

Client: EnviroGroup Limited

Job Number: 280-7635-1

Method Blank - Batch: 280-33689

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 280-33689/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2010 2136
Date Prepared: 09/28/2010 2136

Analysis Batch: 280-33689
Prep Batch: N/A
Units: ug/L

Instrument ID: MSV_R2
Lab File ID: RR10044.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
1,1,2-Trichloroethane	ND		0.27	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0
1,2-Dibromoethane	ND		0.18	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,2-Dichloroethane	ND		0.13	1.0
1,2-Dichloroethene, Total	ND		0.24	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,3-Trichloropropane	ND		0.33	2.5
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
2-Butanone (MEK)	ND		2.0	6.0
2-Chlorotoluene	ND		0.17	1.0
2-Hexanone	ND		1.7	5.0
2,2-Dichloropropane	ND		0.18	1.0
4-Chlorotoluene	ND		0.21	1.0
4-Isopropyltoluene	ND		0.20	1.0
4-Methyl-2-pentanone (MIBK)	ND		0.98	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	70 - 127
Toluene-d8 (Surr)	104	80 - 125
4-Bromofluorobenzene (Surr)	101	78 - 120
Dibromofluoromethane (Surr)	101	77 - 120

Client: EnviroGroup Limited

Job Number: 280-7635-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-33689

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-33689/4	Analysis Batch:	280-33689	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	RR10042.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	09/28/2010 2053			Final Weight/Volume:	20 mL
Date Prepared:	09/28/2010 2053				

LCSD Lab Sample ID:	LCSD 280-33689/5	Analysis Batch:	280-33689	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	RR10043.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	20 mL
Date Analyzed:	09/28/2010 2115			Final Weight/Volume:	20 mL
Date Prepared:	09/28/2010 2115				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,2-Dichloroethene	110	108	80 - 120	2	24		
Benzene	105	109	77 - 120	3	20		
Dichlorobromomethane	98	103	78 - 120	5	20		
Carbon tetrachloride	111	118	80 - 120	6	21		
Chlorobenzene	105	102	78 - 120	2	20		
Chloroform	104	106	78 - 120	2	20		
Ethylbenzene	106	104	78 - 120	2	26		
Methylene Chloride	94	83	71 - 120	12	20		
Tetrachloroethene	111	106	77 - 120	4	20		
Toluene	96	108	73 - 120	12	20		
Trichloroethene	106	112	78 - 122	5	20		
1,1-Dichloroethane	112	113	77 - 120	1	21		
1,1-Dichloroethene	118	116	68 - 133	1	20		
1,1,1-Trichloroethane	107	112	78 - 120	5	20		
1,2-Dichloropropane	104	113	76 - 120	8	20		
1,3-Dichlorobenzene	105	104	75 - 120	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	103	70 - 127
Toluene-d8 (Surr)	105	102	80 - 125
4-Bromofluorobenzene (Surr)	105	98	78 - 120
Dibromofluoromethane (Surr)	102	109	77 - 120

Client: EnviroGroup Limited

Job Number: 280-7635-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-33689

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-33689/4	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-33689/5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	09/28/2010 2053			Date Analyzed:	09/28/2010 2115
Date Prepared:	09/28/2010 2053			Date Prepared:	09/28/2010 2115

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
trans-1,2-Dichloroethene	5.00	5.00	5.52	5.42
Benzene	5.00	5.00	5.27	5.43
Dichlorobromomethane	5.00	5.00	4.92	5.16
Carbon tetrachloride	5.00	5.00	5.54	5.88
Chlorobenzene	5.00	5.00	5.23	5.10
Chloroform	5.00	5.00	5.20	5.28
Ethylbenzene	5.00	5.00	5.31	5.20
Methylene Chloride	5.00	5.00	4.70	4.15
Tetrachloroethene	5.00	5.00	5.53	5.32
Toluene	5.00	5.00	4.80	5.39
Trichloroethene	5.00	5.00	5.32	5.58
1,1-Dichloroethane	5.00	5.00	5.58	5.66
1,1-Dichloroethene	5.00	5.00	5.89	5.81
1,1,1-Trichloroethane	5.00	5.00	5.33	5.58
1,2-Dichloropropane	5.00	5.00	5.21	5.64
1,3-Dichlorobenzene	5.00	5.00	5.27	5.21

Client: EnviroGroup Limited

Job Number: 280-7635-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-33689

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-7449-J-5 MS	Analysis Batch:	280-33689	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR10048.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	09/28/2010 2326			Final Weight/Volume:	20 mL
Date Prepared:	09/28/2010 2326				

MSD Lab Sample ID:	280-7449-J-5 MSD	Analysis Batch:	280-33689	Instrument ID:	MSV_R2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	RR10049.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Date Analyzed:	09/28/2010 2347			Final Weight/Volume:	20 mL
Date Prepared:	09/28/2010 2347				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
trans-1,2-Dichloroethene	103	102	80 - 120	0.1	24		
Benzene	112	86	77 - 120	3	20	4	4
Dichlorobromomethane	107	109	78 - 120	1	20		
Carbon tetrachloride	113	112	80 - 120	1	21		
Chlorobenzene	103	99	78 - 120	4	20		
Chloroform	109	107	78 - 120	2	20		
Ethylbenzene	100	93	78 - 120	5	26		
Methylene Chloride	86	83	71 - 120	3	20		
Tetrachloroethene	108	102	77 - 120	6	20		
Toluene	99	97	73 - 120	1	20		
Trichloroethene	113	110	78 - 122	3	20		
1,1-Dichloroethane	97	102	77 - 120	5	21		
1,1-Dichloroethene	108	108	68 - 133	0.7	20		
1,1,1-Trichloroethane	107	105	78 - 120	2	20		
1,2-Dichloropropane	112	112	76 - 120	0.6	20		
1,3-Dichlorobenzene	103	100	75 - 120	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	106	70 - 127
Toluene-d8 (Surr)	101	98	80 - 125
4-Bromofluorobenzene (Surr)	100	96	78 - 120
Dibromofluoromethane (Surr)	97	103	77 - 120

Client: EnviroGroup Limited

Job Number: 280-7635-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-33689

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-7449-J-5 MS	Units: ug/L	MSD Lab Sample ID:	280-7449-J-5 MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/28/2010 2326		Date Analyzed:	09/28/2010 2347
Date Prepared:	09/28/2010 2326		Date Prepared:	09/28/2010 2347

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
trans-1,2-Dichloroethene	ND	5.00	5.00	5.13		5.12	
Benzene	45	5.00	5.00	50.6	4	49.3	4
Dichlorobromomethane	ND	5.00	5.00	5.37		5.44	
Carbon tetrachloride	ND	5.00	5.00	5.66		5.60	
Chlorobenzene	ND	5.00	5.00	5.13		4.94	
Chloroform	ND	5.00	5.00	5.44		5.34	
Ethylbenzene	3.9	5.00	5.00	8.90		8.51	
Methylene Chloride	ND	5.00	5.00	4.30		4.16	
Tetrachloroethene	ND	5.00	5.00	5.42		5.11	
Toluene	3.2	5.00	5.00	8.19		8.08	
Trichloroethene	ND	5.00	5.00	5.63		5.48	
1,1-Dichloroethane	ND	5.00	5.00	4.85		5.11	
1,1-Dichloroethene	ND	5.00	5.00	5.41		5.38	
1,1,1-Trichloroethane	ND	5.00	5.00	5.33		5.23	
1,2-Dichloropropane	ND	5.00	5.00	5.62		5.59	
1,3-Dichlorobenzene	ND	5.00	5.00	5.14		5.02	

Client: EnviroGroup Limited

Job Number: 280-7635-1

Laboratory Chronicle

Lab ID: **280-7635-1** **Client ID:** **TB092210**

Sample Date/Time: 09/22/2010 09:00 Received Date/Time: 09/22/2010 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-7635-A-1		280-33689		09/29/2010 03:19	1	TAL DEN	TDJ
A:8260B	280-7635-A-1		280-33689		09/29/2010 03:19	1	TAL DEN	TDJ

Lab ID: **280-7635-2** **Client ID:** **EMW-01**

Sample Date/Time: 09/22/2010 09:20 Received Date/Time: 09/22/2010 11:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-7635-C-2		280-33689		09/29/2010 03:40	1	TAL DEN	TDJ
A:8260B	280-7635-C-2		280-33689		09/29/2010 03:40	1	TAL DEN	TDJ

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-33689/6		280-33689		09/28/2010 21:36	1	TAL DEN	TDJ
A:8260B	MB 280-33689/6		280-33689		09/28/2010 21:36	1	TAL DEN	TDJ

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-33689/4		280-33689		09/28/2010 20:53	1	TAL DEN	TDJ
A:8260B	LCS 280-33689/4		280-33689		09/28/2010 20:53	1	TAL DEN	TDJ

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 280-33689/5		280-33689		09/28/2010 21:15	1	TAL DEN	TDJ
A:8260B	LCSD 280-33689/5		280-33689		09/28/2010 21:15	1	TAL DEN	TDJ

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 09/15/2010 12:20 Received Date/Time: 09/16/2010 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-7449-J-5 MS		280-33689		09/28/2010 23:26	1	TAL DEN	TDJ
A:8260B	280-7449-J-5 MS		280-33689		09/28/2010 23:26	1	TAL DEN	TDJ

Client: EnviroGroup Limited

Job Number: 280-7635-1

Laboratory Chronicle

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 09/15/2010 12:20 Received Date/Time: 09/16/2010 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-7449-J-5 MSD		280-33689		09/28/2010 23:47	1	TAL DEN	TDJ
A:8260B	280-7449-J-5 MSD		280-33689		09/28/2010 23:47	1	TAL DEN	TDJ

Lab References:
TAL DEN = TestAmerica Denver

Chain of Custody Record

Sampler ID: C. Hoyt

Temperature on Receipt: 2.8 (R) 9/22/10

Drinking Water? Yes ☐ No ☒

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
EnviroGroup Limited	M. Litasi	9/22/10	107627

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
7009 S. Potomac St. STE 300	303 790 1340 / 303 790 1347		

City	State	Zip Code	Site Contact	Lab Contact
Centennial	CO	80112	C. Hoyt	L. Parsons

Project Name and Location (State)	Carrier/Waybill Number
Deluxe Cleaners Cheyenne, Wy	Hand delivered

Contract/Purchase Order/Quote No.:

Analysis (Attach list if more space is needed): 8260B VOC

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	4°C	8260B VOC
TB092210	9/22/10	0900		X				1						X	X
EMW-01	9/22/10	0920		X				3						X	X

Cooler

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	9/22/10	1150	1. Received By: [signature]	9/22/10	1150
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Check List

Client: EnviroGroup Limited

Job Number: 280-7635-1

Login Number: 7635

List Source: TestAmerica Denver

Creator: Cofoid, Stephen T

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	