# INTERIM REMEDIAL MEASURES ADDENDUM

Mechanicville Light Industrial Park Industrial Park Road Mechanicville, New York

### NYSDEC Site Code # E546050

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### 1.0 Introduction

This report presents the results of the Interim Remedial Measures (IRM) completed by HRP Associates, Inc. (HRP), during the period of September 2008 through November 2008 in connection with the Mechanicville Light Industrial Park located on Industrial Park Road in the City of Mechanicville, Saratoga County, New York (Site #E546050, referred to herein as the site) (See Figure 1). The IRM was completed for the City of Mechanicville (the City) pursuant to the State Assistance Contract between the City and the New York State Department of Environmental Conservation (NYSDEC) and as a result of the observations and findings of the Remedial Investigation (RI) conducted onsite. RI activities included:

- Ground Penetrating Radar (GPR) Survey;
- The installation of test pits and the collection and analysis of soil samples:
- The installation of soil borings and collection and analysis of soil samples;
- Installation and development of groundwater monitoring wells, as well as collection and analysis of groundwater;
- Collection and analysis of surficial soil samples; and
- Completion of an onsite soil vapor investigation.

### 1.1 Site Background

### 1.1.1 Site Description

The site is located on Industrial Park Road, which bisects the property, in the City of Mechanicville, Saratoga County, New York (See Figure 2 for Site Plan). A portion of the site is currently occupied by the Mechanicville Department of Public Works (DPW), which is improved with an office building, garage, parking lot, transfer station (scrap yard) and salt shed. Current on-site operations include administrative activities, storage (miscellaneous piping, wood/metal, etc. from DPW projects), maintenance of DPW vehicles (fueling, fluid changes, washing, repairs, etc.), and vehicular parking. In addition, a portion of the site (southwest corner) is improved with a baseball field (Field C) batting cages used by the Mechanicville/Stillwater Little League.

The subject site also has improvements associated with the former railroad yard, including a small brick building (former Switch Station), a coal trestle, and concrete slabs associated with the former Round House. The remainder of the site consists of grassy areas, with some remnants of historical rail yard structures (i.e. concrete slabs, rail ties).

The site and surrounding area are located in a mixed commercial/ residential area of Mechanicville, New York. At present, the areas surrounding the property include:

Northwest: Yankee One Dollar Warehouse

Northeast: Canadian Pacific Railroad (one track)

West: Elizabeth Street Extension, then vacant woodlands South: Clement Street, then Residential and Mechanicville/ Stillwater Little League Baseball Fields (Fields "A" and "B")

### 1.1.2 Site History

Historically, the site consisted of vacant, undeveloped land prior to circa 1921, when Boston and Maine Railroad developed the site for use as a rail yard. At that time, the subject site was part of an approximately 200-acre parcel owned by the railroad. Principal structures at the subject property included the Power House, Sand House, Engine House, Round House, and Coal Trestle (concrete structure). Trains would reportedly enter the site from the south and drop off cars on the tracks to the north of the property. Then, engines would be driven to the Power House/Engine House/Sand House for fueling, maintenance, and sanding, all occurring in the Central/Southwest Portion of the site. Engines would then be redirected to the railroad cars via the Round House and turntable, or enter the Machine Shop (located off-site) for more complex repairs. Delaware and Hudson (later Guilford Transportation and then Canadian Pacific) also operated the abutting eastern line at the railroad yard; however, it is unclear when operation began.

The Engine House was demolished by 1945 and by 1967, the Round House and Power House buildings were demolished, and the water tank was removed. Fueling operations were transferred to north of the off-site Machine Shop in the 1970's. During the mid- to late-1980's, site operations reportedly ceased, and by 1990, the Sand House had been demolished and the railroad tracks had been removed from the site. The only remaining structures were the coal trestle, concrete slab remains of the Round House, and a small brick structure at the west end of the coal trestle, historically used as sleeping guarters for engineers. During the 1990's, portions of the site (i.e. turntable, track beds) were filled with soil from various DPW projects in preparation for site development. In 1996, the 25-acre subject site was purchased from Boston and Maine Railroad by the City of Mechanicville. During 1996/1997, the site was improved with an office, garage, salt shed, and paved parking lot for the City of Mechanicville Department of Public Works (DPW). In addition, Industrial Park Road was constructed, running east/west along the site and ending in a cul-de-sac in the southwestern corner.

The Mechanicville/Stillwater Little League has leased a section of the southwest corner of the site since 1995. A ball field, known as Field "C" was constructed in this area at that time and later batting cages were installed. Reportedly, clean fill from offsite was used as a surface covering when Field "C" and the batting cages were constructed.

### 2.0 IRM Activities

Field activities associated with the Remedial Investigation were completed between July 2007 and January 2008. Based on observations made in the field and analytical results from the field activities, an obvious area of grossly contaminated soils was noted at the sampling location points for TP-36, TP-41, TP-40, SB-09, MW-04, and MW-05. The following table exhibits justification for this determination:

Sample	Justification
Name	
TP-36	Observed staining and free product in field; VOCs and
	SVOC detected
TP-40	Observed staining and free product in field.
TP-41	Observed staining and free product in field; STARS
	SVOCs detected
SB-09	Observed staining and sheen on groundwater in field
MW-04	Observed sheen on groundwater and strong petroleum
	odor in field
MW-05	Observed sheen on groundwater and strong petroleum
	odor in field

Based on the findings, HRP and the City of Mechanicville proposed to excavate 200 feet by 75 feet area of grossly contaminated soil to the extent feasible under the contract as an IRM. A letter describing the reasoning and proposed plan was submitted to the NYSDEC on June 6, 2008 and granted verbal approval in June 2008. HRP completed the IRM tasks in accordance with the work plan, DER-10 and subsequent to authorization from the NYSDEC.

### 2.1 **Preliminary IRM Activities**

Prior to any ground intrusive activities, HRP prepared a project-specific Health and Safety Plan (HASP), in accordance with 29 CFR 1910.120. Field activities were performed by appropriately trained and certified individuals in accordance with HRP's health and safety protocols and applicable federal, state, and local regulations. In addition, HRP contacted the local utilities via the Underground Facilities Protection Organization (UFPO) to perform a utility mark out of the site. Also,

HRP reviewed any available utility plans and information regarding existing historical stormwater drainage lines available from the City of Mechanicville DPW.

After conducting a financial analysis of the IRM activities and collecting cost estimates (Attachment 1), HRP selected Aztech Technologies of Ballston Spa, New York (Aztech) to provide labor and equipment to facilitate the soil excavation, dewatering and backfilling. HRP selected MC Environmental Services (MCES) of Queensbury, New York as a qualified carrier for transporting excavated soil to the Town of Colonie Landfill or Environmental Soil Management (ESMI)'s Thermal Desorption facility in Fort Edward, New York. Troy Sand and Gravel of Watervliet was contracted to provide approved offsite clean backfill for the excavation. Aztech and MCES are both certified Woman-owned Business Enterprise (WBE) contractors and by utilizing them for the IRM activities, HRP exceeded the Environmental Restoration Program (EPR) Minority/Woman-owned Business Enterprise (MWBE) goals as set forth by the NYSDEC.

Based upon historical soil sampling results, observations from test pits, and groundwater quality from on-site monitoring wells, the soils and/or groundwater in the vicinity of Test Pits 36, 40, and 41, Monitoring Wells MW-4 and MW-5, and Soil Boring SB-9 demonstrated evidence of higher contamination than the remainder of the property

### 2.2 IRM Field Activities

HRP supervised the soil removal activities which began on September 8 and continued through September 24, 2008. An established "hot" zone was established based on the RI analytical results. The excavation began near the southwestern corner of the identified "hot" zone. The dimensions of the excavation were approximately 200 feet in length by an average of 60 feet wide and 80 feet wide in one area. Aztech utilized a Komatsu PC 200 LC track mounted excavator for the excavation and loading activities.

### 2.2.1 Observations

The surficial geology of the site begins at a depth of approximately 1-2 feet below ground surface (bgs). Underlying surficial geology consisted of fine to medium grained, tan to gray sand from approximately 2-6' bgs. Below the sands, is a medium-coarse light brown sand or a grey silty clay and a large cobble layer approximately 6-8 feet bgs. Evidence of contamination (i.e. petroleum odors, elevated PID readings) was noted on the majority of the excavated soils. However, any soils within the first six (6) to

twelve (12) inches of soil that demonstrated PID readings < 15 ppm, were staged for later use as backfill.

Groundwater was first encountered at approximately five (5) feet below ground surface (bgs). Free phase product (light non-aqueous phase liquid (NAPL)) was visible on the water entering the excavation. Obvious physical evidence of contamination was observed at the bottom of the excavation, however, due to a high amount of cobbles and infiltrating groundwater, the bottom of the excavation stopped at the cobbles layer, approximately six to eight feet bgs. In general, soils were obviously impacted by contaminants, most notably a vein (±6 inches wide) of grey/tan clay observed, varying from three to six feet bgs throughout the excavation, was observed to display elevated PID readings.

Confirmatory samples were collected along the sidewall and bottom throughout the excavation, placed within plastic bags, and screened with a PID. The side wall samples were collected approximately four (4) to six (6) feet bgs throughout the excavation. The sidewall and bottom samples collected represent the interface of soil that remained in place after the excavation. The PID readings of the samples collected are listed in the table below.

Sample ID	PID Reading (ppm)
SIDEWAI	LL SAMPLES
SW-01	16.6
SW-02	174
SW-03	168
SW-04	402
SW-05	285
SW-06	200
SW-07	110
SW-08	74.7
SW-09	207
SW-10	199
SW-11	115
SW-12	6.7
SW-13	118
SW-14	178
SW-15	93.6
SW-16	355
SW-17	159
SW-18	161
SW-19	201

Sample ID	PID Reading (ppm)
BOTTON	SAMPLES
B-21	91.2
B-22	135
B-23	374
B-24	210
B-25	289
B-26	347
B-27	360
B-28	54.4
B-29	86.4
B-30	88.7

While excavating contaminated soils, HRP unearthed a tile drain and riser within the south eastern portion of the excavation, which according to the historical site plans and City of Mechanicville DPW employees, was part of an abandoned storm water drainage system, as well as, a concrete pipe in the northeastern portion of the excavation, which according to the DPW employees, was likely part of an abandoned sewer line.

### 2.2.2 Soil removal

Excavated contaminated soils were placed directly into MCES trucks for transportation to the disposal facilities. MCES utilized one to two tractor trailer trucks, as well as, one (1) tri axle dump truck. MCES was able to haul up to 438 tons of soil per day from the site to the disposal facility(s) based on moisture content of the excavated soils and the amount of soils the disposal facilities were accepting on a day to day basis.

A total of 2,291.53 tons of contaminated soil was removed during the IRM activities. Of the 2291.53 tons removed, 1471.54 tons of contaminated soil was transported to ESMI of NY and 820.99 tons of contaminated soil was transported to the Town of Colonie Landfill. A Certificate of Treatment acknowledging the treatment and recycling of the contaminated soil was received from ESMI (Attachment 1). A copy of the disposal manifests and weight slips are attached located in Attachment 2.

### 2.2.3 **Groundwater removal**

During excavation activities, the high groundwater level at the site inhibited efficient excavation and dewatering the excavation was deemed necessary. Within the excavation, dissolved phase and free product was observed on the groundwater. Therefore, dewatering the excavation served two functions; it made the soil removal activities more efficient and helped to remediate by removing and treating the contaminated groundwater.

To facilitate dewatering of the excavation, the southeastern corner was excavated out to approximate eight (8) feet bgs, and a perforated metal pipe was placed vertically in the hole and surrounded by bank run gravel. HRP had two 21,000 gallon frac tanks delivered onsite, contracted through Rain for Rent, to temporarily store the groundwater. Absorbent pads and booms were placed around the perforated pipe in the excavation to collect floating product as well as to limit floating product from entering the frac tanks. Using a three (3) inch hose, water was pumped from the perforated pipe in the excavation into the frac tanks for temporary storage, prior to filtration and discharge to the municipal sewer system.

Before discharge to the sanitary sewer, the stored groundwater was run through two carbon filtration vessels. Based on sampling results from the effluent of the carbon filtration units, a permit was obtained from the Saratoga County Sewer District #1 to discharge filtered groundwater to the sanitary sewer system. Once the appropriate permit was obtained (Attachment 1), approximately 13,000 gallons of groundwater was filtered per day, totaling 105,200 gallons discharged to the sanitary sewer for the project.

### 2.2.4 Backfill

Backfilling began on September 24<sup>-</sup> 2008, utilizing approved offsite clean backfill from Troy Sand and Gravel. Troy Sand and Gravel provided 1,872 cubic yards of bank run sand as clean offsite backfill. Soil removed from the first six (6) to twelve (12) inches fo soil that demonstrated PID readings <15 ppm was stockpiled on site as also used for backfill. Backfilling was performed by Aztech utilizing the excavator to spread backfill into one (1) foot lifts and compacting using the vibratory roller. Aztech utilized a Dynapac self propelled single drum vibratory roller to complete the project. Backfilling was completed on October 2, 2008. A copy of disposal manifests and backfill delivery slips are included in Attachment 2.

### 2.2.5 Frac Tank Cleaning and Drum removal

The two frac tanks were emptied and cleaned by Aztech on October 2-3, 2008. Prior to entry of the confined space, Aztech checked the atmosphere of the tanks using an air monitor. Due to the pitch of the bottom of the tanks (approximately 18 inch

difference from the south to north end), silts and other materials remaining in the tanks were pushed to one end and pumped into onsite DOT approved 1A1 removable head 55 gallon drums. Next, utilizing a pressure washer the interior of the tanks were rinsed off and rinse fluid generated was pumped into the on site 1A1 drums. In total twelve (12) 1A1 drums, including eleven (11) from frac tank cleaning and (1) one from oil absorbent pads used in the excavation were generated.

On November 4, 2008, HRP met Precision Industrial Maintenance at the property to remove a total of eighteen (18) non-hazardous 55 gallon 1A1 drums generated as part of HRPs field activities during the field investigation and IRM activities of the Mechanicville property. In addition to the 12 drums generated during the IRM (oily sludges and PPE / absorbents), Precision removed six (6) additional drums generated during the remedial investigation including three (3) drums containing oil and water, and three (3) drums of oil contaminated soil. Drums were transported to Cycle Chem of Elizabeth, NJ for treatment and disposal. Copies of the Non-Hazardous waste manifest and waste profile sheets are included in Attachment 2.

### 2.2.6 IRM Air Monitoring

In accordance with the Community Air Monitoring Plan (CAMP) real-time monitoring was conducted for volatile organic compounds (VOCs) and particulates (i.e., dust) at the perimeters of the designated work area during IRM activities on a daily basis. It's intent was to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

VOCs were monitored at the downwind (as determined by a Davis Vantage Pro2 Weather Station) perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during intrusive work or as otherwise specified. Upwind concentrations were measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work was performed using a Mini Rae 2000 photo ionization detector (PID) equipped with a 10.2 eV bulb. The PID was routinely calibrated for the contaminant(s) of concern or for an appropriate surrogate. The PID was placed in a weather proof box that sat on a

tripod approximately four feet off the ground. The downwind PID readings did not exceed 5 ppm during the IRM activities.

Particulate concentrations were monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations during the IRM activities. The particulate monitoring was performed using a Quest Dust Trak 8520, a real-time monitor capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The Dust Trak was routinely zero (0) checked and was placed in a weather proof box that sat on a tripod approximately four feet off the ground. The equipment was equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration was visually assessed during all work activities. The particulate readings were below 100 mcg/m³ during the IRM activities.

Prior to leaving the site each day, field equipment was securely locked and the excavation was surrounded by four (4) foot tall construction fence to limit access by unauthorized persons.

### 3.0 IRM Sampling

Prior to backfilling the excavation, HRP collected soil samples from the excavation sidewalls at least once every 30 linear feet of the perimeter of the excavation and pit bottom samples were collected every 900 square feet of the excavation foot print, as described in DER-10. As per NYSDEC request, the soil samples were submitted to a New York State certified laboratory for analysis of STARS volatile organic compounds and complete semi-volatile organic compounds via EPA method 8060 and 8270C, respectively.

### 3.1 Discussion of Analytical Results

As previously noted, a total of nineteen (19) confirmatory sidewall soil samples and ten (10) confirmatory bottom soil samples were collected from the excavation. The soil samples were submitted to a NYS certified laboratory, Chemtech of Mountainside, New Jersey, for analysis of STARS VOCs via USEPA method 8060 and Complete SVOCs via USEPA method 8270C. Alpha Geoscience of Clifton Park, New York, provided data validation services for this project. Data qualifiers and their definitions, as defined by Alpha Geoscience are included in Attachment C. The presentation of results, within this text, does not include data qualifiers. Detected chemical compounds in the various media sampled as part of the RI and the analytical results are

presented in Tables 1 and 2. The locations of the soil samples are presented on Figure 2. The complete laboratory forms are presented in Attachment C. HRP compared confirmatory soil sampling results to Part 375-6 Commercial and Industrial Recommended Soil Cleanup Objectives (SCOs) for Protection of Human Health.

### North Wall of Excavation

Nine (9) confirmatory soil samples (identified as "SW-10 through SW-18") were collected from the north (northeastern) side of the excavation. Elevated concentrations of STARS VOCs were noted including o- Xylenes (SW-11) and m/p Xylenes (SW-14), however the values were well below the Commercial and Industrial SCOs. Several SVOCs were detected in theses samples, including Benzo(a)pyrene, detected in SW-16 at the Commercial SCOs and below the Industrial SCOs. It should be noted, the value of this compound was noted to be diluted to a factor of five (5). The detected level of this compound for the SW-16 sample with a dilution factor of ten (10) was well below the Commercial and Industrial SCOs.

The detected levels of all other compounds of concern in sidewall samples from this area were below the Commercial and Industrial SCOs, although it should be noted the laboratory method detection limit (MDL) for Dibenz(a,h)anthracene in samples SW-11 and SW-16 was above the corresponding Commercial and Industrial SCOs.

### West Wall of Excavation

One (1) confirmatory soil sample (SW-19) was collected from the west (northwestern) wall of the excavation. Concentrations of several VOCs and SVOCs were detected in this sample at levels below their respective Commercial and Industrial SCOs.

### East Wall of Excavation

Two (2) confirmatory soil samples (SW-08 and SW-09) were submitted for analysis from the east (southeastern) wall of the excavation. Concentrations of several VOCs and SVOCs were detected in both sidewall soil samples. No VOCs were detected at concentrations exceeding the respective Commercial or Industrial SCOs. However Benzo(a)pyrene was detected in SW-09 at 1,500 ug/kg, marginally exceeding both the Commercial SCOs (1,000 ug/kg) and Industrial SCOs (1,100 ug/kg).

### South Wall of Excavation

Seven (7) confirmatory soil samples (SW-01 through SW-07) were submitted for analysis from the south wall of the excavation. Concentrations of several VOCs and SVOCs were detected in these samples at levels below their respective Commercial and Industrial SCOs.

### Bottom of Excavation

Ten confirmatory soil sample (B-21 through B-30) were submitted for analysis from the bottom of the excavation. It should be noted, due to the high water table, these soil samples were collected below the groundwater table after dewatering. Due to the backfill pattern, starting near the northeast and moving towards the southwest, the higher numbered samples (i.e. B-30, B-29, etc) were submerged for longer times than other bottom samples. Soil headspace readings ranged from 54 ppm from B-21 to 133 ppm from B-25 and B-27. Concentrations of several VOCs and SVOCs were detected by lab analysis in the soil samples below their respective Commercial and Industrial SCOs. However it should be noted the method detection limits (MDL) for Pentachlorophenol and Benzo(a)pyrene, are above the Commercial SCOs and below the Industrial SCOs for several of the samples. method detection limits bottom The (MDL) Dibenz(a,h)anthracene are above the Commercial and Industrial SCOs for several of the bottom samples. Excavation bottom samples results were also compared to the Protection of Groundwater Soil Cleanup Objectives. A limited number of samples exceeded the listed SCOs.

A copy of laboratory analytical reports are included in Attachment C.

### 4.0 Operation, Maintenance & Monitoring Plan

HRP is preparing a Site Management Plan under separate cover that will incorporate OM&M components.

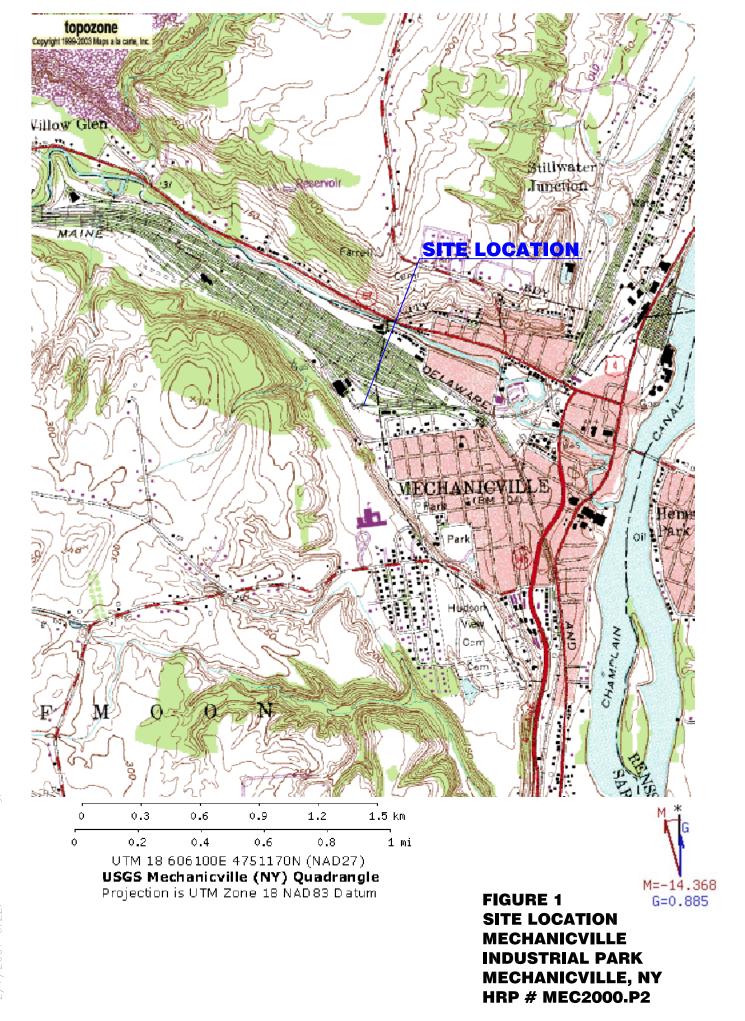
### 5.0 Conclusions

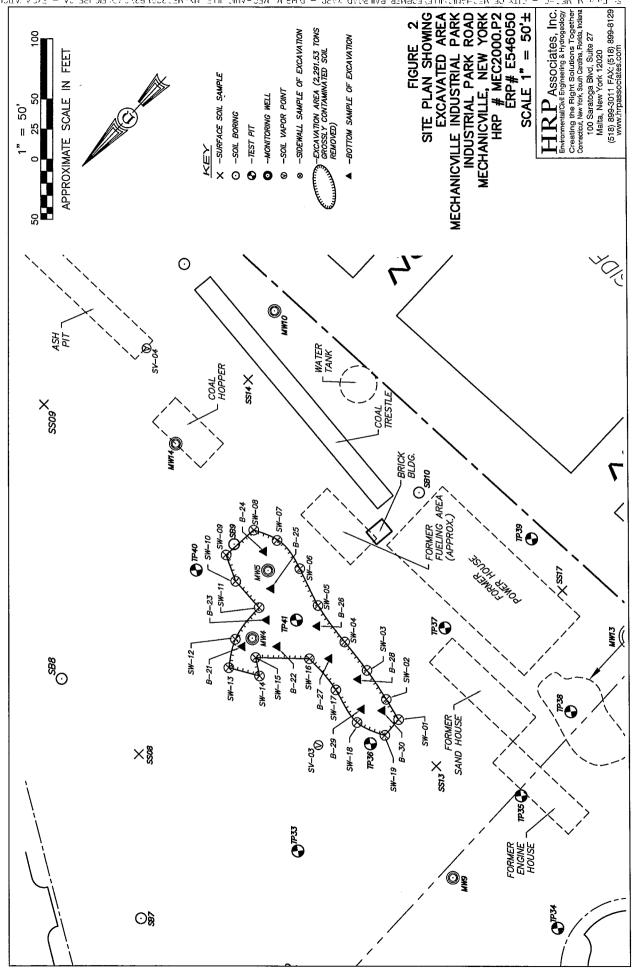
Based on results of Remedial Investigation, HRP conducted IRM activities onsite which included the removal of grossly contaminated soil and groundwater in the central portion of the site. Approximately 2,292 tons of soil was excavated and properly disposed of offsite. Approximately 105,200 gallons of groundwater was removed from the excavation and carbon treated prior to being discharged to the sanitary sewer system.

Confirmatory soil samples from the excavation side walls and bottom were collected prior to backfilling and were analyzed for STARS VOCs and complete SVOCs. The laboratory analytical results indicate all VOCs and SVOCs that were detected, were below their respective Commercial and Industrial SCOs. The only exception was a sample from the east side wall in which Benzo(a)pyrene was detected marginally exceeding both the Commercial SCOs (1,000 ug/kg) and Industrial SCOs (1,100 ug/kg) and a sample collect in the north wall in which Benzo(a)pyrene was detected at the Commercial SCOs and below the Industrial SCOs.

The IRM proposal was developed within the ERP State Assistance Contract constraints and therefore, HRP was limited to the amount of soil that could be excavated and groundwater to be treated within the IRM activities. While IRM project goals were met in removing the proposed amount of gross source soils and groundwater, no additional IRM activities could be performed due to the lack of additional NYSDEC ERP funding.

HRP's opinion is that no further IRM activities are required at this time.





## TABLE 1

# Summary of IRM Confirmatory Soil Analytical Results STARS VOCs

### Mechanicville Light Industrial Park Mechanicville, New York All values are in ug/kg

		Soil Cleanup				SAMF	PLE ID AN	D DATE (	OF SAME	PLE COLL	ETION										:	SAMPLE	ID AND D	ATE OF SAMI	PLE COLI	ETION	
Parameter	Protection of	Public Health	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07	SW-08	SW-09	SW-10	SW-11	SW-12	SW-12RE	SW-13	SW-14	SW-15	SW-16	SW-16DL	SW-17	SW-18	SW-19	DUPLICATE	SW-19_	B-21	B-21DL
	Commercial	Industrial	9/11/08	9/11/08	9/11/08	9/11/08	9/12/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/24/08	9/24/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/24/08	9/24/08
	Commercial	industriai																									
Methyl tert-butyl Ether	500,000 b	1,000,000 c	<4500	<810	<760	<4300	<790	<3600	<760	<8.3	<840	<720	<6.1	<6.4	<6.4	<4000	<7300	<6	<6.1	<760	<790	<8700	<4100	<750	<4100	<6.7	<840
Benzene	44,000	89,000	<4500	<810	<760	<4300	<790	<3600	<760	<8.3	<840	<720	<6.1	<6.4	<6.4	<4000	<7300	<6	<6.1	<760	<790	<8700	<4100	<750	<4100	<6.7	<840
Toluene	500,000 b	1,000,000 c	<4500	<810	<760	<4300	<790	<3600	<760	<8.3	<840	<720	<6.1	<6.4	<6.4	<4000	<7300	<6	<6.1	<760	<790	<8700	<4100	<750	<4100	<6.7	<840
Ethyl Benzene	390,000	780,000	<4500	<810	<760	<4300	<790	<3600	<760	<8.3	<840	<720	<6.1	<6.4	<6.4	<4000	<7300	<6	<6.1	<760	<790	<8700	<4100	<750	<4100	<6.7	<840
m/p-Xylenes			<8900	<1600	<1500	<8700	1600	<7200	<1500	<17	<1700	<1400	<12	<13	<13	<8000	15000	<12	<12	<1500	<1600	<17000	<8100	<1500	<8100	<13	<1700
o-Xylene	500,000 b	1,000,000 c	<4500	<810	<760	<4300	<790	<3600	<760	<8.3	<840	<720	4.9 J	<6.4	<6.4	<4000	<7300	<6	<6.1	<760	<790	<8700	<4100	<750	<4100	<6.7	<840
												•					•										
Total Confident Conc. VOC	*	*	0	0	1600	33100	7770	6900	1790	114	0	0	652.9	0	0	5300	0	49.8	641	4890	1200	0	0	0	3400	725	400
Total TICs	*	*																									

Sample exceeds Commerical objective
Sample exceeds Industrial objective

### TABLE 1

# Summary of IRM Confirmatory Soil Analytical Results STARS VOCs

# Mechanicville Light Industrial Park Mechanicville, New York

All values are in ug/kg

		Soil Cleanup								SAMPLE	ID AND DA	TE OF SAM	PLE COLLET	ΓΙΟΝ	
Parameter	Protection of	Public Health	B-22	B-22DL	B-23	B-23DL	B-24	B-25	B-DUP	B-26	B-27	B-27DL	B-28	B-29	B-30
	Commercial	Industrial	9/24/08	9/24/08	9/24/08	9/24/08	9/25/08	9/25/08	9/29/2008	9/29/2008	9/29/2008	9/29/2008	10/1/2008	10/1/2008	10/1/2008
	Commercial	maustriai													
Methyl tert-butyl Ether	500,000 b	1,000,000 c	<6.9	<870	<6.2	<780	<810	<740	<4500	<820	<800	<4000	<770	<760	<830
Benzene	44,000	89,000	<6.9	<870	<6.2	<780	<810	<740	<4500	<820	<800	<4000	<770	<760	<830
Toluene	500,000 b	1,000,000 c	<6.9	<870	<6.2	<780	<810	<740	<4500	<820	<800	<4000	<770	<760	<830
Ethyl Benzene	390,000	780,000	<6.9	<870	<6.2	<780	<810	<740	<4500	<820	<800	<4000	<770	<760	<830
m/p-Xylenes			<14	1700	<12	<780	<1600	<1500	<8900	<1600	<1600	<8000	<1500	<1500	<1700
o-Xylene	500,000 b	1,000,000 c	<6.9	<870	<6.2	<780	<810	<740	<4500	<820	<800	<4000	<770	<760	<830
Total Confident Conc. VOC	*	*	1080	7020	1280	5440	9270	14400	103200	12000	59800	63100	1000	12600	6920
Total TICs	*	*													

Sample exceeds Commerical objective
Sample exceeds Industrial objective

# TABLE 2 Summary of IRM Confirmatory Soil Analytical Results Complete SVOCs Mechanicville Light Industrial Park Mechanicville, New York

All values are in ug/kg

	Table 375-6 Object	•				ı						SAMF	LE ID A	ND DATE	OF SA	MPLE C	OLLETI	ON									
Parameter	Protection of	Public Health	SW-01	SW-02	SW-03	SW-03DL	SW-04	SW-04DL	SW-05	SW-05DL	SW-06	SW-06DL	SW-07	SW-07DL	SW-08	SW-09	SW-10	SW-10DL	SW-11	SW-12	SW-13	SW-14	SW-14DL	SW-17	SW-18	SW-18DL	SW-19_
	Commercial	Industrial	9/11/08	9/11/08	9/11/08	9/11/08	9/11/08	9/11/08	9/12/08	9/12/08	9/17/08	9/17/08	9/17/08		9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08
Discount			1	1	1	5	1	5	1	5	1	5	1	10	1	5	1	2	5	1	1	1	5	1	1	10	1
Phenol	500,000 b	1,000,000 c	<470	<430	<400	<2000	<460	<2300	<420	<2100	<380		<400	<4000	<550			<760		<420	<420	<380		<420	<460	<4600	<430
Naphthalene	500,000 b	1,000,000 c	240 J	<430	<400	<2000	<460	<2300	<420	<2100	<380	<1900	<400	<4000	<550	<2200	<380	<760	<2000	50 J	<420	<380	<1900	<420	<460	<4600	<430
Acenaphthylene	500,000 b	1,000,000 c	110 J	<430	350 J	330 JD	690	810 JD	720	800 JD	410		420	500 JD	<550	550 J	270 J	270 JD		<420	<420	630		54 J	440 J	1000 JD	610
Acenaphthene	500,000 b	1,000,000 c	<470	<430	990	1000 JD	2400	2500 D	2300	2400 D	1200		1300	1500 JD	110 J	2000 J	650	680 JD	940 J	<420	130 J	1800		160 J	1700	3200 JD	1300
Fluorene	500,000 b	1,000,000 c	110 J	49 J	1600	1900 JD	3700 E	4100 D		4000 D	2100		2300	2800 JD	190 J		1100	1000 D		<420	160 J	3000 E		250 J	2800	5000 D	2300
Pentachlorophenol	6,700	55,000	<1200	<1100	<1000	<5100	<1100	<5700	<1000	<5200	<950	<4800	<1000	<10000	<1400	<5600	<950	<1900	<5100	<1100	<1100	<960	<4800	<1000	<1200	<12000	<1100
Phenanthrene	500,000 b	1,000,000 c	230 J	170 J	4200 E	4400 D	11000 E	10000 D	11000 E	9800 D	5600 E	5800 D	5800 E	6500 D	370 J	9700	2500 E	2600 D	4600	110 J	210 J	9100 E	8200 D	530	10000 E	10000 D	6100 E
Anthracene	500,000 b	1,000,000 c	68 J	<430	490	540 JD	1300	640 JD	530	540 JD	340 J	380 JD	550	450 JD	<550	1200 J	180 J	200 JD	300 J	<420	110 J	800	560 JD	46 J	1000	1100 JD	470
Fluoranthene	500,000 b	1,000,000 c	120 J	230 J	310 J	260 JD	1200	920 JD	790	600 JD	350 J	290 JD	600	600 JD	<550	5900	190 J	180 JD	1200 J	130 J	1100	650	520 JD	<420	1300	1200 JD	470
Pyrene	500,000 b	1,000,000 c	110 J	180 J	400 J	400 JD	1300	1200 JD	1000	870 JD	420	400 JD	600	690 JD	<550	4400	260 J	260 JD	910 J	120 J	1000	790	700 JD	45 J	1400	1500 JD	560
Benzo(a)anthracene	5,600	11,000	48 J	110 J	44 J	<2000	210 J	<2300	100 J	<2100	50 J	<1900	110 J	<4000	<550	2000 J	<380	<760	340 J	87 J	660	95 J	<1900	<420	250 J	<4600	93 J
Chrysene	56,000	110,000	92 J	110 J	69 J	<2000	200 J	<2300	120 J	<2100	48 J	<1900	120 J	<4000	<550	2000 J	<380	<760	390 J	120 J	750	120 J	<1900	<420	320 J	<4600	130 J
Benzo(b)fluoranthene	5,600	11,000	71 J	110 J	<400	<2000	190 J	<2300	58 J	<2100	<380	<1900	98 J	<4000	<550	2200 J	<380	<760	480 J	150 J	940	72 J	<1900	<420	220 J	<4600	75 J
Benzo(k)fluoranthene	56,000	110,000	<470	<430	<400	<2000	52 J	<2300	<420	<2100	<380	<1900	<400	<4000	<550	670 J	<380	<760	<2000	<420	280 J	<380	<1900	<420	79 J	<4600	<430
Benzo(a)pyrene	1,000 f	1,100	<470	77 J	<400	<2000	110 J	<2300	<420	<2100	<380	<1900	64 J	<4000	<550	1500 J	<380	<760	300 J	78 J	470	43 J	<1900	<420	110 J	<4600	<430
Indeno(1,2,3-cd)pyrene	5,600	11,000	<470	60 J	<400	<2000	62 J	<2300	<420	<2100	<380	<1900	<400	<4000	<550	1100 J	<380	<760	240 J	73 J	360 J	<380	<1900	<420	93 J	<4600	<430
Dibenz(a,h)anthracene	560	1,100	<470	<430	<400	<2000	<460	<2300	<420	<2100	<380	<1900	<400	<4000	<550	250 J	<380	<760	<2000	<420	120 J	<380	<1900	<420	<460	<4600	<430
Benzo(g,h,i)perylene	500,000 b	1,000,000 c	<470	54 J	<400	<2000	52 J	<2300	<420	<2100	<380	<1900	<400	<4000	<550	930 J	<380	<760	240 J	67 J	270 J	<380	<1900	<420	94 J	<4600	<430
(C) 7 (1 )	,																										
Total Confident Conc. SVOC	*	*	1819	1150	9273	9630	24366	21870	24518	23010	17218	17620	27062	31240	1569	38900	5580	5610	12530	1038	6818	18400	17390	1833	22706	26900	17008
Total TICs	*	*																									
Sample exceeds Commerical objective									<u> </u>									· ·									
Sample exceeds Industrial objective																											

# TABLE 2 Summary of IRM Confirmatory Soil Analytical Results Complete SVOCs Mechanicville Light Industrial Park Mechanicville, New York

All values are in ug/kg

		Soil Cleanup									SAMI		ΛΝΟ ΟΔΤ	E OE SA	MPLE	COLLETIC	ON						
Parameter		Public Health	SW-19DL_	DUPLIC ATE	DUPLIC ATE DL	SW-19	SW-19DL	SW-15	SW-16	SW-16DL	B-21	B-22	B-22DL	B-23	B-24		B-25	B-DUP	B-26	B-27	B-28	B-29	B-30
	0	La di catalat	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/17/08	9/24/08	9/24/08	9/24/08	9/24/08	9/24/08	9/24/08	9/25/08	9/25/08	9/25/08	9/29/2008	9/29/2008	9/29/2008	10/1/2008	10/1/2008	10/1/2008
	Commercial	Industrial	5	1	5	1	5	1	5	10	1	1	5	10	1	5	10	5	5	5	5	5	5
Phenol	500,000 b	1,000,000 c	<2100	<400	<2000	<430	<2100	<400	<2000	<4000	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Naphthalene	500,000 b	1,000,000 c	<2100	<400	<2000	760	780 JD	<400	<2000	<4000	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Acenaphthylene	500,000 b	1,000,000 c	810 JD	430	430 JD	560	1100 JD	<400	<2000	<4000	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Acenaphthene	500,000 b	1,000,000 c	1800 JD	1300	1200 JD	1500	2200 D	190 J	3100	2900 JD	420 J	2200	2100 JD	4400	1600	1600 JD	3500 J	1800 J	840 J	3900	530 J	3700	1200 J
Fluorene	500,000 b	1,000,000 c	2800 D	2000	2100 D	2700 E	3500 D	290 JB	4800 B	5100 BD	620 B	3200 EB	3600 BD	6800 B	2500 B	2900 BD	6100 B	3100	1400 J	6900	940 J	6800	2300
Pentachlorophenol	6,700	55,000	<5400	<1000	<5000	<1100	<5400	<1000	<5100	<10000	<1100	<1100	<5700	<10000	<1100	<5400	<9700	<5900	<5400	<5300	<5100	<5100	<5500
Phenanthrene	500,000 b	1,000,000 c	7200 D	5200 E	4800 D	6800 E	8200 D	520 B	14000 EB	16000 BD	1100 B	7200 EB	8700 BD	18000 B	5600 EB	6700 BD	16000 B	7300	3200	16000	2300	15000	5600
Anthracene	500,000 b	1,000,000 c	860 JD	360 J	370 JD	490	640 JD	140 JB	2100 B	1100 JBD	150 JB	640 B	500 JBD	920 JB	510 B	340 JBD	790 JB	1100 J	360 J	2100	400 J	2100	590 J
Fluoranthene	500,000 b	1,000,000 c	500 JD	400 J	310 JD	530	550 JD	160 JB	3700 B	3700 JBD	180 JB	570 B	490 JBD	1100 JB	650 B	580 JBD	820 JB	540 J	270 J	1100 J	<2000	880 J	300 J
Pyrene	500,000 b	1,000,000 c	670 JD	470	410 JD	680	710 JD	250 JB	2900 B	3600 JBD	250 JB	580 B	620 JBD	1500 JB	600 B	600 JBD	980 JB	730 J	350 J	1600 J	240 J	1200 J	460 J
Benzo(a)anthracene	5,600	11,000	<2100	56 J	<2000	120 J	<2100	<400	1200 JB	1200 JBD	58 JB	60 JB	<2300	<4100	87 JB	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Chrysene	56,000	110,000	<2100	66 J	<2000	160 J	<2100	<400	1300 JB	1300 JBD	67 JB	71 JB	<2300	<4100	100 JB	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Benzo(b)fluoranthene	5,600	11,000	<2100	42 J	<2000	92 J	<2100	<400	1400 J	1400 JD	68 J	48 J	<2300	<4100	75 J	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Benzo(k)fluoranthene	56,000	110,000	<2100	<400	<2000	<430	<2100	<400	540 J	640 JD	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Benzo(a)pyrene	1,000 f	1,100	<2100	<400	<2000	46 J	<2100	<400	1000 J	930 JD	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Indeno(1,2,3-cd)pyrene	5,600	11,000	<2100	<400	<2000	<430	<2100	<400	640 J	540 JD	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Dibenz(a,h)anthracene	560	1,100	<2100	<400	<2000	<430	<2100	<400	<2000	<4000	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Benzo(g,h,i)perylene	500,000 b	1,000,000 c	<2100	<400	<2000	<430	<2100	<400	650 J	640 JD	<440	<460	<2300	<4100	<430	<2100	<3900	<2400	<2200	<2100	<2000	<2000	<2200
Total Confident Conc. SVOC	*	*	20040	11144	10390	18138	21880	1550	37330	39050	2913	14569	16010	32720	11722	12720	29190	14570	9920	31600	4410	29680	10450
Total TICs	*	*																					
	ı																						-

Sample exceeds Commerical objective
Sample exceeds Industrial objective



Beginning of Soil Excavation September 8, 2008



Excavation of Contaminated Soils September 8, 2008



Contaminated Groundwater and Soil Slurry September 8, 2008



Excavation of Contaminated Soils September 8, 2008



Contaminated Groundwater and Clay Vein in Soil, camera facing southeast. - September 9, 2008



Excavation and Removal of Contaminated Soil, camera facing northeast - September 10, 2008



Excavation of Cobbles (around 6-8' below ground surface) and Groundwater/Soil Slurry - September 10, 2008



Excavation and dewatering system, security fencing visible, Camera facing northeast - September 11, 2008



LNAPL on Surface of Groundwater September 12, 2008



View with excavation towards the northeast completed, camera facing southwest - September 15, 2008



View of Excavation, camera facing southeast September 17, 2008



View of Excavation, camera facing northeast September 22, 2008



Beginning of Backfill of Excavation Site, camera facing northeast - September 25, 2008



Backfill of Excavation Site during rain, camera facing northeast - September 26, 2008



Completed Backfill Surface September 26, 2008



Completed Backfill Surface September 29, 2008



Backfill of Excavation Site, camera facing northeast September 30, 2008



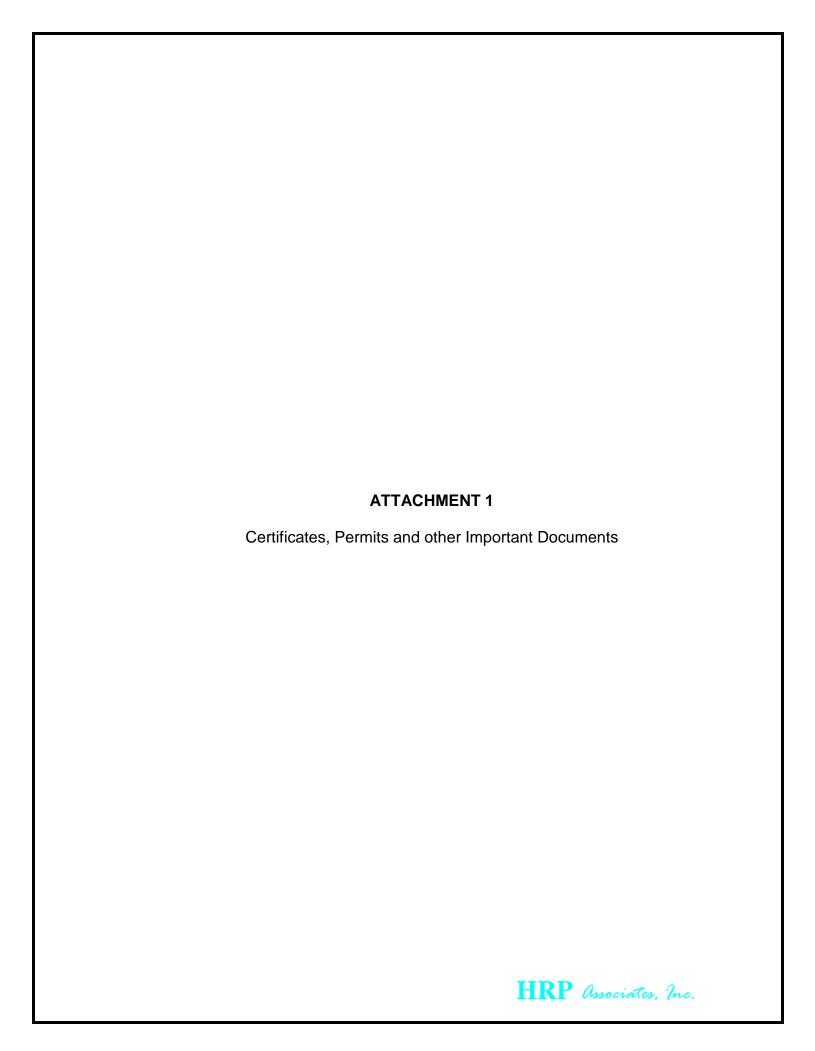
Nearly Completed Backfill of Excavation Site, camera facing northeast - October 2, 2008



View of Excavation Site (Post IRM), camera facing southwest. Downwind air monitoring visible near left edge of photo - October 2, 2008



View of Excavation Site (Post IRM), camera facing northeast - October 2, 2008



# HRP associates, Inc.

Creating the Right Solutions Together

June 9, 2008

Ms. Alicia Thorne NYSDEC, Region 5 Division of Environmental Remediation 232 Golf Course Rd Warrensburg, NY 12885

RE:

PROPOSED IRM FOR MECHANICVILLE LIGHT INDUSTRIAL PARK, INDUSTRIAL PARK ROAD, MECHANICVILLE, NEW

YORK

Dear Ms. Thorne:

As you know, proposed IRM options were discussed in the May 8, 2008 meeting between the HRP, the NYSDEC, and the City of Mechanicville. After reviewing field data, analytical results and considering the site's future use, HRP is proposing to excavate grossly contaminated soil in a focused area as an IRM. This letter will describe our reasoning and proposed plan.

### SOIL EXCAVATION AREA

HRP is proposing to remove grossly contaminated soil from a focused area in the central portion of the site. This is based on observations made in the field and analytical results from the test pits, soil borings, monitoring wells, and surface soil samples. The focused area of excavation will include sampling location points for TP-36, TP-41, TP-40, SB-09, MW-04, and MW-05. A map showing the proposed excavation location is attached to this letter. The following table exhibits justification for the proposed excavation areas.

Sample	Justification
Name	
TP-36	Observed staining and free product in field; VOCs and SVOC detected
TP-40	Observed staining and free product in field.
TP-41	Observed staining and free product in field; STARS SVOCs detected
SB-09	Observed staining and sheen on groundwater in field
MW-04	Observed sheen on groundwater and strong petroleum odor in field
MW-05	Observed sheen on groundwater and strong petroleum odor in field

### CONNECTICUT

197 Scott Swamp Road Farmington, CT 06032 800-246-9021 860-674-9570 FAX 860-674-9624

#### **FLORIDA**

8875 Hidden River Parkway Suite 300 Tampa, FL 33637 888-477-1877 813-975-7178 FAX813-975-7170

### **NEW YORK**

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#### PENNSYLVANIA

1060 First Avenue Suite 400 King of Prussia, PA 19460 866-232-9824 610-768-8061 FAX 610-337-9548

### SOUTH CAROLINA 1327 Miller Road

Suite D Greenville, SC 29607 800-752-3922 864-289-0311 FAX 864-281-9846

### www.hrpassociates .com

Due Diligence
Site Investigations
Brownfields Redevelopment
Remedial/Corrective Action
Civil Engineering
Land Surveying
Site Planning
Environmental Permitting
Hazardous Waste Management
Air Quality & Pollution Control

Water & Wastewater Management

Health & Safety

Environmental Management System

### FINANCIAL ANALYSIS

HRP conducted a financial analysis of this project to identify how much of the budget would be available to conduct the proposed IRM. HRP estimated the costs of the remaining reports (Final SI Report, IRM write up, Remedial Action Report and the Operations and Maintenance Plan), HRP's field activities associated with the soil removal and the final site survey and subtracted from the total remaining budget to receive an estimated amount of money which could be applied to the soil excavation. Three scenarios were then provided to the City of Mechanicville, based on the allowable spending amount, in which several options for loading equipment, loading operators, and soil and transportation were presented. The amount of contaminated soil excavated would be based on which scenario the City chose.

Several assumptions were made during the financial analysis of each scenario presented:

- The estimated amount of HRP time spent in the field overseeing the excavation and disposal would be approximately 2 weeks.
- All equipment operators would be 40-hour OSHA trained.
- All soil removed would be transported and disposed of at a licensed soil treatment and recycling facility.
- All trucks used during the soil disposal would be Part 364 permitted.
- Offsite clean soil will be used as backfill
- Confirmatory samples of excavation sidewalls and floor will be collected according to DER-10 and analyzed for EPA 8260C and EPA 8270C.
- A Category B deliverables package will be provided to an independent data validator for completion of a Data Usability Summary Report (DUSR).
- A frac tank with connecting hoses, pump, and carbon filtration drums (2 weeks)
  or a vacuum truck with operator (3 days) will be onsite to collect contaminated
  groundwater from excavation if encountered.
- Contaminated groundwater would be disposed of under a SPDES permit or to the City sewer pending approval.

The City of Mechanicville opted to utilize a contractor for loading equipment and operator, transportation and disposal. This option allows for the removal of approximately 2,900 tons of soil from the focused contaminated area. In order to view the breakdown the financial analysis, copies of the Costs Proposal and the Manhour – Chart are attached to this letter. The Costs Proposal brakes down the estimated hours and costs by tasks and the Manhour Chart contains estimated HRP hours to complete the tasks of the IRM.

It should be noted that HRP will utilize the existing QA/QC plan and sampling procedures for the soil excavation as outlined in the approved June 5, 2007 Work Plan.

If you should have any questions regarding the information presented in this letter or the attachments, please do not hesitate to call 518-899-3011.

> Sincerely, HRP Associates, Inc.

Marly E. Dim.

Cailyn E. Dinan

Senior Project Geologist

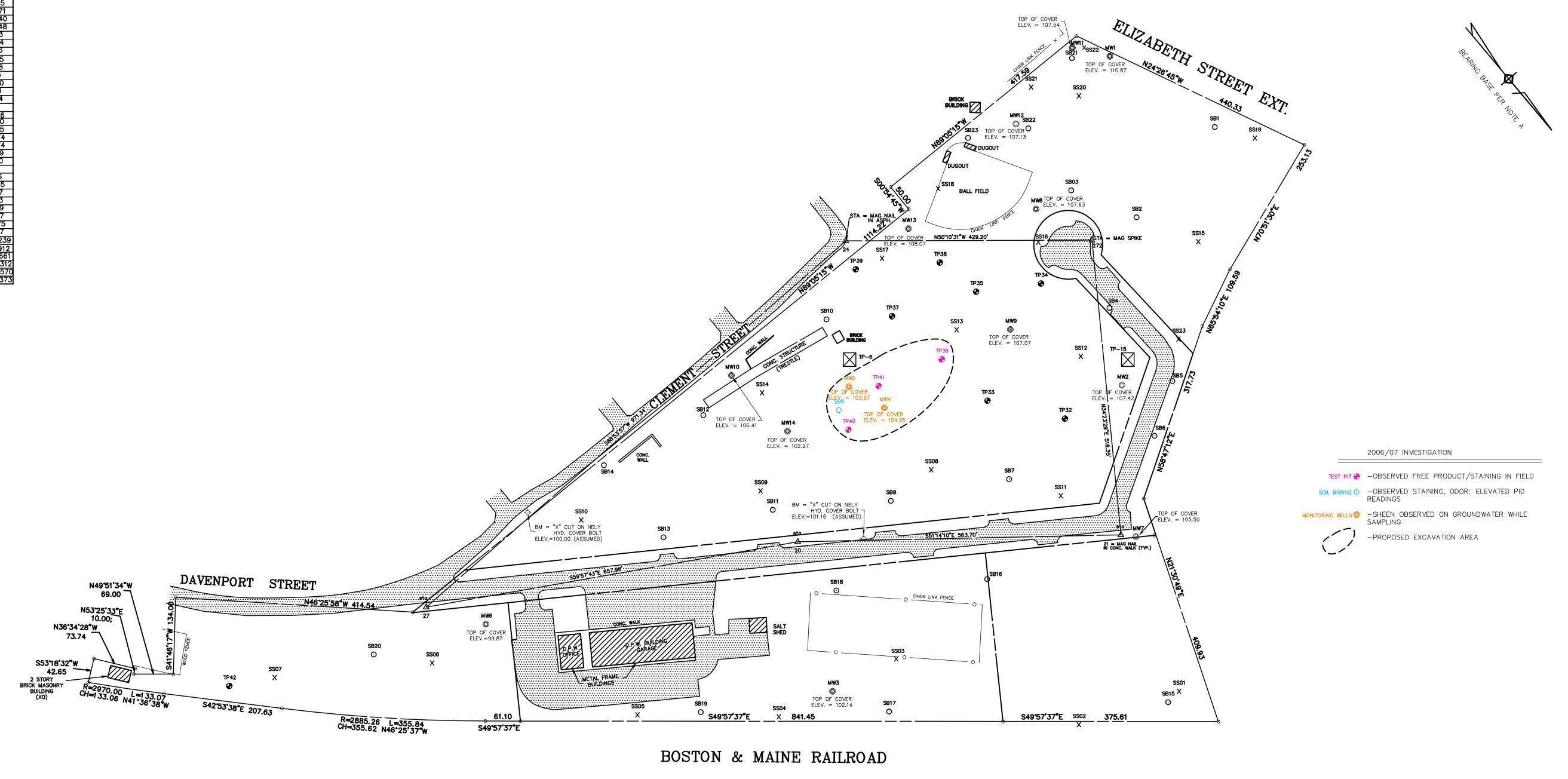
Jayou

Jeffrey R. Sotek, PE, CSP, CIH

Senior Project Manager



POINT	NORTH	EAST	POINT	NORTH	EAST
MW1	5030.67	3469.12	SS1	5956.51	4088.49
MW2	5483.62	3821.81	SS01	5888.58	4259.87
MW3	5568.01	4551.56	SS03	5596.09	4430.25
MW4	5247.42	4164.69	SS04	5541.85	4651.81
MW5	5179.43	4188.34	SS05	5380.62	4838.45
мw6	5089.61	4939.56	SS06	5081.14	5054.71
MW7	5701.34	3972.79	SS07	4924.14	5281.40
MW8	5151.86	3739.24	SS08	5382.62	4171.48
MW9	5283.90	3908.44	SS09	5219.32	4423.13
MW10	5032.80	4332.58	SS10	5057.40	4695.34
MW11	4977.37	3509.96	SS11	5562.63	4027.26
MW12	5015.69	3670.37	SS12	5398.89	3844.45
MW13	5035.03	3931.75	SS13	5224.21	3980.68
MW14	5170.08	4320.19	SS14	5090.19	4311.04
SB1	5242.53	3408.40	SS15	5377.33	3559.00
SB2	5275.67	3614.19	SS16	5198.82	3773.31
SB03	5166.43	3671.23	SS17	5045.13	4000.04
SB4	5366.38	3751.79	SS18		
SB5	5534.60	3749.66	SS19	5302.46	3367.26
SB6	5587.64	3835.16	SS20	5048.86	3555.10
SB7	5482.46	4077.91	SS21	4983.63	3609.05
SB8	5378.86	4260.21	SS22	4990.09	3493.74
SB9	5199.49	4228.14	SS23	5485.50	3694.74
SB10	5064.43	4142.72	TP32	5464.17	3935.39
<u>SB11</u>	5258.38	4427.92	TP33	5353.61	4018.80
SB12	5054.31	4414.59	TP34		
SB13	5172.77	4604.78	TP35	5195.26	3911.76
SB14	5009.47	4603.65	TP36	5246.88	4033.55
SB15	5958.57	4115.41	TP37	5133.74	4051.67
SB16	5591.58	4219.09	TP38	5115.50	3927.73
SB17	5658.44	4498.61	TP39	5030.31	4047.49
SB18	5437.59	4433.35	TP40	5236.63	4237.17
SB19	5448.04	4751.00	TP41	5211.68	4147.75
SB20	5004.63	5123.24	TP42	4884.58	5351.47
SB21	4990.57	3522.18	STA20	5329.3144	4430.4239
SB22	5035.54	3659.01	STA21	5682.2517	3990.8912
SB23	4980.46	3750.32	STA24	4981.2848	4028.8661
		ļ	STA27	4999.9469	5000.0312
			STA260	4880.8558	
			STA272	5256.1627	3699.2373



# NOTES:

- A. THIS MAP HAS BEEN PREPARED FROM AN ACCURATE FIELD SURVEY.
  PROPERTY LINE IINFORMATION AND LOCATION ARE FROM A MAP ENTITLED
  "SURVEY PREPARED FOR CITY OF MECHANICVILLE INDUSTRIAL PARK —
  MECHANICVILLE, N.Y." DATED MAY5, 2006, BY FREDERICK J. METZGER, L.S.
- B. PLANIMETRIC FEATURES SHOWN HEREON HAVE BEEN ADDED FOR ORIENTATION PURPOSES ONLY. NO ATTEMPT HAS BEEN MADE TO SHOW ALL SUCH FEATURES. FEATURES SHOWN HAVE BEEN LIMITED TO THE EXISTING BUIDLINGS, ROADWAYS AND SOIL SAMPLING POINTS AS REQUESTED BY HRP ASSOCIATES.
- C. NO ATTEMPT HAS BEEN MADE TO SHOW THE SIZE OR LOCATION OF ANY UNDERGROUND UTILITIES, WHICH MAY EXIST WITHIN OR ADJACENT TO THE SURVEYED PREMISES. PRIOR TO THE UTILIZATION OF THE INFORMATION SHOWN HEREON, U.F.P.O., SHOULD BE NOTIFIED, (1-800-962-7962) FOR THE VERIFICATION OF THE EXISTENCE OF ANY AND ALL SUCH UTILITIES.
- D. UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
- E. COPIES OF THIS SURVEY MAP NOT BEARING AN INK OR EMBOSSED SEAL, NEW YORK STATE REGISTRATION NO. 49,134, SHALL NOT BE CONSIDERED A TRUE AND VALID COPY.

# GRAPHIC SCALE 100 0 50 100 200 400 ( IN FEET ) 1 inch = 100 ft.

# LEGEND

- MONITORING WELL
- TEST PIT
- o SOIL BORING
- X SOIL SAMPLE

COPYRIGH	7 2007 DAVID A. FLANDERS SURVEYING & SITE CONSULTAN	NT, PLLC
		+
		+
40.40.00		DAF
12-18-07	SS 03, SS 16, SB 12 & SB 18 LABELED & MW 11 SYMBOL CORRECTED	
DATE	RECORD OF WORK	APPR.

# SOIL TESTING LOCATION MECHANICVILLE INDUSTRIAL PARK PREPARED FOR HRP ASSOCIATES, INC.

CITY OF MECHANICVILLE COUNTY: SARATOGA, NEW YORK

1" = 100' DATE: DECEMBER 5, 2007

DAVID A. FLANDERS SURVEYING
& SITE CONSULTANT, PLLC

1769 ROUTE 9 CLIFTON PARK, NEW YORK

PH: 518-383-4245 FAX: 518-383-4246 EMAIL: DFLAND5028@AOL.COM

DRAWN BY: D.A.F.

CHECKED BY: D.A.F.

LIC. NO. 49,134 MAP NO.

07-119-L

RK

MECHANICV	CITY OF M ILLE INDU						W YOR	K						
	COST PROPOSAL													
TASKS		HRP Associates, Inc.												
	SPM	PM	SPG/E	PG	Tech	IT	С	contractor	Costs					
SI Report	\$246	\$0	\$392	\$1,675	\$0	\$80	\$0		\$200					
IRM Writeup	\$0	\$0	\$392	\$1,675	\$0	\$240	\$0							
RAR	\$246	\$518	\$1,176	\$335	\$0	\$0	\$0							
SUBTOTAL	\$7,176													
IRM														
Field Activities	\$616	\$0	\$784	\$12,060	\$0	\$0	\$0							
Operator and Loader								\$11,000						
Transportation & Disposal (Soil)								\$169,000						
Clean Backfill								\$37,500						
Frac Tank								\$4,200						
Liquid Disposal														
Surveyor								\$7,000						
Lab Analysis - Soils								\$5,000						
Lab Analysis - GW														
DUSR								\$400						
Field Equipment									\$6,000					
SUBTOTAL	\$253,560													
TOTALS	\$1,109	\$518	\$2,744	\$15,745	\$0	\$320	\$0	\$234,100	\$6,200					

REMAING FUNDS FROM TOTAL BUDGET TO SPEND: \$264,963

		LEGEND	Hr Rate
SPM	=	Senior Project Manager	123.2
PM	=	Project Manager	103.6
SPG	=	Senior Project Geologist	78.4
PG	=	Project Geologist	67
Tech		Field Technician	55
IT	=	Information Technology Department	40.04
С	=	Clerical	67.2

CITY OF MECHANICVILLE - SI / RA PROJECT MECHANICVILLE INDUSTRIAL PARK, MECHANICVILLE, NEW YORK							
TASKS  MANPOWER HOUR ESTIMATES  HRP Associates, Inc.							
	SPM	PM	SPG	PG	Tech	IT	С
SI Report Preparation	2	0	5	25	0	2	0
IRM Writeup	0	0	5	25	0	6	0
RAR	2	5	15	5	0	0	0
Task Two- Subsurface Inves	tigation						
Field Activities	5	0	10	180	0	0	0
TOTALS	9	5	35	235	0	8	0

LEGEND					
SPM	=	Senior Project Manager			
PM	=	Project Manager			
SPE	=	Senior Project Engineer			
SPG	=	Senior Project Geologist			
PG	=	Project Geologist			
IT	=	Information Technology Department			
С	=	Clerical			

# HRP associates, Inc.

Creating the Right Solutions Together

July 30, 2008

Ms. Alicia Thorne NYSDEC, Region 5 Division of Environmental Remediation 232 Golf Course Rd, P.O. Box 220 Warrensburg, NY 12885

RE: IRM SUBCONTRACTOR QUOTES FOR MECHANICVILLE LIGHT INDUSTRIAL PARK, INDUSTRIAL PARK ROAD, MECHANICVILLE, NEW YORK

Dear Ms. Thorne:

HRP will be excavating grossly contaminated soil in a focused area of the subject property as part of a NYSDEC approved IRM. Several quotes were collected from subcontractors for the major tasks of the IRM which include Excavation and Loading, Transport and Disposal, Providing Clean Backfill, and Water Disposal (if needed). This letter lists the subcontractor quotes collected for each of the major tasks. Hard copies of the written quotes are attached.

SUBCONTRACTOR	QUOTE TYPE	QUOTE				
Excavation and Loading						
EP&S	written	\$400 mob/demob; \$975/day				
		loading; 36% of total for fuel surcharge				
MCES (WBE)	verbal	\$84.90/hour operator; \$679.20 day				
Aztech (WBE)	written	\$590.00 mob/demob; \$2950 wkly rate				
Tyree	written	\$990 mob/demob; \$1900 day				
Clean Harbors	written	\$12,845 total; 20% energy &				
		security recovery fee of total				
		price				
	Fransport & Dispos	al				
EP&S	written	\$37.50 ton (Colonie Landfill),				
		\$70.00 ton (ESMI); 36% of total				
		for fuel surcharge				
ESMI	written	\$53.75 ton (ESMI)				
MCES (WBE)	written	\$57.35 ton (Colonie Landfill)				
Waste Technology	written	\$81 ton (ESMI) or \$45 ton				
		(Colonie Landfill)				
Clean Harbors	written	\$66 ton; 20% energy & security				
		recovery fee of total price				

### CONNECTICUT

197 Scott Swamp Road Farmington, CT 06032 800-246-9021 860-674-9570 FAX 860-674-9624

### FLORIDA

8875 Hidden River Parkway Suite 300 Tampa, FL 33637 888-477-1877 813-975-7178 FAX 813-975-7170

### **NEW YORK**

100 Saratoga Village Blvd. Suite 27 Malta, NY 12020 888-823-6427 518-899-3011 FAX 518-899-8129

#### PENNSYLVANIA

1060 First Avenue Suite 400 King of Prussia, PA 19460 866-232-9824 610-768-8061 FAX 610-337-9548

### SOUTH CAROLINA

1327 Miller Road Suite D Greenville, SC 29607 800-752-3922 864-289-0311 FAX 864-281-9846

### www.hrpassociates.com

- · Due Diligence
- Site Investigations
- Brownfields Redevelopment
- · Remedial/Corrective Action
- · Civil Engineering
- Land Surveying
- Site Planning
- Environmental Permitting
- Hazardous Waste Management
- Air Quality & Pollution Control
- Water & Wastewater Management
- Health & Safety
- Environmental Management Systems

SUBCONTRACTOR	QUOTE TYPE	QUOTE					
Clean Backfill							
ESMI	written	\$11.50 - \$13.75 ton					
William Larnerd	verbal	\$8.65 ton					
RJ Valente	verbal	\$12.75 ton					
Troy Sand & Gravel	written	\$7.90 ton					
Wunderlich	written	\$10.50 ton					
Wa	Water Disposal (if needed)						
EP&S	written	\$140/hr operator, \$0.60 gal					
		disposal					
Rain for Rent	written	\$3,575 frac tank rental (2					
		weeks)					
Precision	written	\$135/hr operator; \$0.75 gal					
		disposal					
Aztech (WBE)	written	\$5463 wkly rental carbon					
		drums and equipment					

HRP assumes that the excavation and disposal time for 2,900 tons of contaminated soil will take approximately 2-4 weeks, depending on weather and site conditions. HRP required that the subcontractors submitting proposal meet the following applicable requirements:

- All equipment operators would be 40-hour OSHA trained.
- All soil removed would be transported and disposed of at a licensed soil treatment and recycling facility.
- All trucks used during the soil disposal would be Part 364 permitted.

If you should have any questions regarding the information presented in this letter or the attachments, please do not hesitate to call 518-899-3011.

Sincerely,

HRP Associates, Inc.

Marly E. Dim.

Cailyn E. Dinan

Janne

Senior Project Geologist

Jeffrey R. Sotek, PE, CSP, CIH

Senior Project Manager



### **EXPERTISE YOU CAN COUNT ON**

5 McCrea Hill Road Aztech Ballston Spa Technologies, Inc. New York, 12020

Phone: (518) 885-5383 Fax: (518) 885-5385 www.aztechtech.com



### **Estimate**

DATE	ESTIMATE#		
7/8/2008	890F		

### A WOMAN OWNED BUSINESS: NYS WBE #49360

NAME / ADDRESS	PROJECT LOCATION
HRP Associates Cailyn Dinan 100 Saratoga Village Boulevard Suite 27 Malta, NY 12020	Mechanicville, NY Elizabeth Street

		Terms	PF	ROJECT	
<u> </u>			Mecha	Mechanicville - Br	
DESCRIPTION			COST	TOTAL	
Provide an Excavator and Operator on a Daily Basis for contaminated soil, excavation and backfill at an Environmental Restoration Project in Mechanicville, NY. Operator with the direction of HRP Associates personnel. Trucking, disposal, backfill, top soil, seed fence, air monitoring, dust control, erosion control, manifest tracking and all coordinal provided by HRP. Aztech Technologies will provide a vibratory roller to aid in compact backfill material on an as requested basis.					
PROJECT LABOR RATES ARE BASED UPON NO REQUIREMENTS BY NYSDEC, MECHANICVILLE OR NYSDOL FOR PREVAILING WAGE RATES TO BE PAID TO WORKERS	CITY OF				
Full Size Excavator- daily rate up to 10 hrs per day Komatsu PC220 - 22.6' max digging depth, 33.5' max reach, 54,000 lbs, 1.5 cy bucket			650.00	650.00T	
Full Size Excavator - Weekly Rate - up to 50 hours per week		1	2,950.00	2,950.00T	
Vibratory Roller - daily rate up to 10 hrs per day Dynapac CA 150 -15,400 lbs, 66" wide		1	450.00	450.00T	
Vibratory Roller - daily rate up to 10 hrs per day Dynapac CA 134 -12,100 lbs, 54" wide		1	350.00	350.00T	
Vibratory Roller Dynapac CA 134- Weekly rate up to 50 hrs per week SENIOR TECHNICIAN / OPERATOR - hourly up to 10 hrs per day onsite		1 10	1,475.00 57.00	1,475.00T 570.00T	
Full Size Excavator additional hours - greater than 10 hrs per day Vibratory Roller additional hours - greater than 10 hrs per day SENIOR TECHNICIAN / OPERATOR - greater than 10 hrs per day				110.00T 85.00T 72.00T	
The above pricing is valid for 45 days.	TOTA	L			



### **EXPERTISE YOU CAN COUNT ON**

5 McCrea Hill Road Technologies, Inc. New York, 12020

NAME / ADDRESS

Phone: (518) 885-5383 Fax: (518) 885-5385 www.aztechtech.com

### **Estimate**

DATE	ESTIMATE#
7/8/2008	890F

### A WOMAN OWNED BUSINESS: NYS WBE #49360

HRP Associates Cailyn Dinan 100 Saratoga Village Boulevard Suite 27 Malta, NY 12020	Mechanicville Elizabeth Str				
			Terms	PI	ROJECT
			Net 30	Mecha	nicville - Br
DESCRIPTION			QTY	COST	TOTAL
Mobilization and demobilization of excavator Mobilization and demobilization of vibratory roller Project preparation by operator			1 1 1	590.00 590.00 280.00	590.00T 590.00T 280.00T
Construction of an 16' x 20' equipment decontamination pad with line	er and liquid sum	р	1	440.00	440.00T
Daily rental - Steam cleaner			1	95.00	95.00T
Small Generator			1	45.00	45.00T
55 GAL STD DRUM - 17H for decon fluids			1	48.00	48.00T
Notes: Excavator and roller charges will apply to all work days that e available for use (weekends and holidays excluded). This applies to the schedule planned by HRP. Operator will be billed for actual hour cleaner and generator will be charged for days onsite and utilized. Sales Tax Exempt	weather delays of	or breaks in		0.00%	0.00
The above pricing is valid for 45 days.		TOTA	L		\$8,800.00

PROJECT LOCATION

40 Hamilton Lane Glenmont, NY 12077

Website: www.epsofvermont.com



PHONE: (518) 465-4000 FAX: (518) 465-5722 1-800-5SPILLS

# **WORK QUOTATION / AUTHORIZATION**

FIRM	HRP Associates,	Inc.		COI	ATP	ACT
	100 Saratoga Villa	age Blvd.				Ph# (518) 899-3011
	Ballston Spa, Ne	w York 12020				Fax# (518) 899-8129
DATE	5/27/08					Bid No. 4853
	ental Products & S nerwise specified, t					Il labor, equipment, and materials,
Mobilize	an equipment ope	ator and loader	to load	triaxle du	np f	trucks in Mechanicville, New York. o replacement, or decontamination.
project.	Mobilization/Der Loading Cost: Fuel Surcharge separate line item Free and easy acc upon prevailing wa	unless a tax exe ess to the site is	require	ed. Not to	exc	400.00 975.00/day 36% of total project cost by HRP prior to the start of the ceed an 8 hour work day. This bid net 30 days.
JOB COS	اسسسا	& MATERIAL			•	SEE ABOVE
above, unless packaging star Vermont, Inc. v	agreed in writing, will be bille idards if it is a hazardous D0	ed at the current Time ar DT material. If the packa and all associated costs	d Material Iging does	rates. All custonot meet these	omer e	or other work beyond the scope of work described containerized waste must meet US DOT "UN" ndards, Environmental Products & Services of customer at Environmental Products & Services of
payment terms	are net 30 days. Service cl	narges may be imposed	at 1.5 per	cent per month	on all	s tax, if applicable, is a separate item. Standard Il balances over thirty days. Customer will be rt costs, and collection service fees.
by reasons of s	suits, claims, demands, judg of the performance of all wor eld responsible for any liabili	ements, and causes of a k undertaken by Environ	iction for p mental Pri	ersonal injury, o oducts & Servic	death	nt, Inc. harmless against loss, damage, or expense, or property damage rising out of or in any way in Vermont, Inc. except that in no instance shall the o the gross negligence of Environmental Products &
Reports. If I w	ish to have them reviewed The Daily Job Report is not a	. I will have a represen	tative on	site at the com	ipletic de of l	Products & Services of Vermont, Inc. Daily Job ion of work each day to review and sign the Daily this form for Product Delivery Charges and all Products & Services of Vermont, Inc. Representative
If you accept th	is proposal and terms set fo	rth on both sides of the	form, plea	se sign below a	nd rel	eturn this original copy for our files.
Ву:		Title:	<del></del> -	(	Date:_	<del></del>



526 Queensbury Avenue Queensbury, NY 12804

518-615-0349 fax: 615-0355

May 29, 2008

Mr. Cailyn Dinan **HRP** Associates 100 Saratoga Village Blvd. – Suite #27 Malta, New York 12020

Re: Excavation & Disposal of Contaminated Soils - Mechanicville, NY

### Service Quotation / Contract

Dear Ms. Dinan:

M C Environmental Services, Inc. is pleased to offer a proposal to excavate, load, transport and dispose of an estimated 5000 tons of petroleum contaminated soils at the above-referenced location, as follows:

Labor & Equipment to Excavate, Load, Transport & Dispose of Soils at Town of Colonie Landfill:	\$ 57.35 / ton
Operator only (using equipment by others) to Excavate & Load Soils; Transportation & Disposal of Soils at Town of Colonie Landfill:	\$ 47.10 / ton

Prices assume that laboratory analysis / waste profiling required for disposal, mark-out of underground utilities or structures and backfilling are done by others. Pricing is dependent upon acceptance of the waste by the Town of Colonie landfill. The quotation does not include groundwater removal or disposal, if required, and soils are assumed to contain no free liquids.

Prices do not include New York State sales tax, if applicable. Our payment terms are net 21 days.

This quotation is valid for 30 days. After that time, prices may be subject to change. We would be happy to provide an updated proposal, if necessary.

OPERATOR ONLY:

BIGHR. - MOB/DEMOB? \$84.910/hr

ONSITE (\$679.20/day)



32 Bask Rd Glenmont, NY 12077 518-434-0149 www.cleanharbors.com

July 22, 2008

Cailyn Dinan HRP Associates 100 Saratoga Boulevard Malta, NY 12020

Ref: Soil Removal/Disposal Mechanicville, NY

Dear Ms. Dinan:

Clean Harbors Environmental Services, Inc. is pleased to submit the following quotation for the loading, transportation and disposal of soil in Mechanicville, NY.

### SCOPE OF WORK

The scope of services to be provided include the following:

Supply all proper safety equipment to Clean Harbors personnel and conduct a daily meeting to ensure safe operations;

- Clean Harbors will stockpile all soils that are designated by an HRP representative to remove.
- Clean Harbors will then load all soils and transport to ESMI of NY for disposal.



The cost breakdown is as follows:

Transportation & Disposal	\$ 66.00/per ton
Based on an estimated 3,000 tons @ \$66.00/per ton	1
(soils going for landfill will have a 27 ton minimum)	
Labor and Equipment(Includes stockpiling soil and loading dump trailers)	\$12,845.00

### Recovery fee for Energy and Security

20% of total invoice

Details of recovery fee

Many of the rising costs in the industry, such as energy costs for our facilities, fuel surcharges from our transportation providers, insurance costs and enhanced security levels at our facilities, are new costs beyond our normal cost of operations

The proposal is based on the following assumptions and site conditions. Any work that falls outside of the assumptions will constitute work beyond the intended scope and be completed upon mutually satisfactory terms.

- Client will provide free and clear access to work area for manpower and equipment.
- An HRP representative will be onsite to instruct Clean Harbors on all soil excavation.
- Any work stoppage not created by Clean Harbors will be charges at a time and materials rate.
- A HRP representative will be onsite to inspect finished work and sign worksheets.

This proposal is submitted contingent upon the right to negotiate mutually acceptable contract terms and conditions, which are reflective of the work contemplated, and an equitable distribution of the risks involved therein. In the event that such agreement cannot be reached, Clean Harbors reserves the right to decline to enter into such an agreement without prejudice or penalty.



Thank you for allowing Clean Harbors the opportunity to provide this proposal to you. If you have any questions or would like to schedule the above referenced work, please contact me at (802) 316-1896

Sincerely,

David Comolli Field Service Specialist Comolli.david@cleanharbors.com



Ref: Ref: Soil Removal/Disposal Mechanicville, NY	July 22, 2008
Acknowledgement:	
Your signature below indicates your acceptance of the quote.	he pricing and terms detailed in the above
Thank you.	
Signature	PO#

### **ESTIMATE**

### Tyree Environmental Corp.

(631) 249-3150 Gasoline Tank and **Pump Installations** 

208 Route 109 ● Farmingdale, NY 11735

FAX (631) 249-3281 Service Station Construction

#### ENVIRONMENTAL SERVICES

July 23, 2008

To:

HRP Associates, Inc.

100 Saratoga Village Blvd., Suite 27

Malta, NY 12020 Attn: Cailyn E. Dinan Re:

Soil Excavation

**ERP Project** 

Mechanicville, NY

We propose to provide the following scope of work:

### **Soil Excavation:**

Provide 2 man crew and track mounted excavator to excavate and load contaminated soil from the above site into dump trucks provided by others. Excavation depth to be approximately 8' below grade.

2 man crew and excavator:

\$1.900.00 per day

mob/demob excavator:\$ 990.00 lump sum

decon pad:

\$1,100.00 lump sum

### **Qualifications:**

- The soil excavation will be performed in accordance with federal, state and local regulatory agency requirements. If work other than what is stated above is required, then additional costs will apply on a time and material basis.
- Estimate does not include sheeting/shoring and or dewatering. 2.
- 3. Client is responsible for the location of all underground lines including but not limited to product lines, vapor recovery lines, fill lines, vent lines, sprinkler lines, electrical conduit/lines, water lines, natural gas lines, etc. Tyree will not assume responsibility for any damages to such lines. Tyree will request markout of all public properties, as provided by appropriate agency.
- 4. Note: This proposal is subject to a fuel surcharge. Our proposal is based on the Department of Energy's Northeast estimate of \$3.25/gallon for fuel. When an invoice is generated for the project, the Department of Energy's current rate will be identified. A surcharge of 0.25% will be added/subtracted to the total cost of the project for each incremental change of \$0.10/gallon

Terms: To be determined upon acceptance of proposal Applicable taxes added at final billing.

PLEASE NOTE: This estimate may be subject to additional cost due to environmental regulations beyond our control. Contractor agrees to hold price for 60 days. Should permitting process exceed this time frame, owner and contractor will re-negotiate contract once all permits are secured. All the above work to be completed in a first class workmanlike manner. Any unforeseen conditions encountered such as rock or water will be billed on a time and material basis.

ACCEPTED:	TYREE ENVIRONMENTAL CORP.:
	Matthew B. Roche
Date	Date: 7/23/08



# Environmental Soil Management of new york, LLC

304 Towpath Road, Fort Edward, NY 12828

Phone: (518) 747-5500 • Fax: (518) 747-1181 • www.esmiofnv.com

Customer: HRP Associates

June 30, 2008

100 Saratoga Village Blvd

Malta, NY 12020

Contact: Cailyn E. Dinan

Phone: 518-899-3011 X 208

Fax: 518-899-8129

Site Information: Mechanicville, NY

Services: The following Services shall be provided at the following rates:

Transportation, Thermal Treatment and Recycling

\$53.75 dollars per processed ton of Diesel contaminated soil approximately 5000 tons.

Backfill - \$4.00 transportation and \$7.50 - \$9.75 for material.

\$65.00 per hour for time on site in excess of dock time allowance of 60 minutes. A minimum load charge per truck applies as follows:(28 ton min. load - dump trailer). ESMI is not responsible for transporter delays or demurrage charges at project site.

Other Conditions: The disposal and transportation rate is based on the EIA diesel price index as of the date of this quotation. If there is an increase in the diesel fuel energy cost at the time of contacting for this project a price adjustment may apply based on the following EIA index: <a href="http://tonto.eia.doe.gov/oog/info/wohdp/diesel.asp">http://tonto.eia.doe.gov/oog/info/wohdp/diesel.asp</a>

### HANDLING OF NON-CONFORMING WASTE MATERIALS:

Soils with moisture content in excess of 18% per ASTM Standard Test Method D 2216-05, will be subject to a surcharge of one dollar (\$1) per ton per percent moisture content above 18%. Silt and clay content in excess of 25% may be subject to a surcharge. ESMI of NY reserves the right to reject deliveries containing excessive clay and moisture. 7.00% NY State Sales Tax is not included in the above pricing and will be added to the customer's Invoice, unless a properly executed Tax Exempt form is issued to ESMI of NY.

Disposition of treated Materials. ESMI shall manage the treated materials as \*\*\*Materials will become the property of ESMI of NY\*\*\*

PAYMENT TERMS: Customer shall pay ESMI of NY for services provided: Within Net 30 days following delivery of waste materials to ESMI of NY.

A 2% Service Charge will be added to all past due accounts

Project acceptance is subject to the completion and review of our profile sheet, analytical testing results, and acceptance of the contract terms and conditions, and all documents incorporated by reference therein. This quote is valid for 30 days.

ESMI of New York

Todd J. Calder-VP Sales & Marketing

THE FOLLOWING INFORMATION IS THE CONFIDENTIAL AND EXCLUSIVE WORK PRODUCT OF WASTE TECHNOLOGY SERVICES, INC. (WTS) AND AS SUCH NO PORTION THEREOF SHALL BE DISTRIBUTED TO ANY UNAUTHORIZED THIRD PARTY WITHOUT THE EXPRESS WRITTEN CONSENT OF WTS.



#### WASTE TECHNOLOGY SERVICES, INC

TO:

Cailyn Dinan

HRP Associates, Inc.

cc: Jeff Sotek

FROM:

Chuck Emerson

Waste Technology Services, Inc.

SUBJECT:

Mechanicville VOC Soils Disposal

DATE:

July 10, 2008

Thank you for the opportunity for Waste Technology Services, Inc. (WTS) to propose the following options to HRP Associates, Inc.(HRP) for the off site management of the VOC contaminated soils to be removed from the Mechanicville, NY remediation site.

### Project Understanding and Approach:

Approximately three thousand (3000) tons of soils contaminated with volatile organic compounds (VOC's) will be removed from the Mechanicville Industrial Park located in Mechanicville, NY. Based on preliminary analytical results provided to WTS on July 2, 2008 and discussion with HRP employees, the soils are to be treated as RCRA non-hazardous. Additionally, the site is readily accessible by tractor trailer and the soil will be transported offsite utilizing dump trailers.

Per the chosen disposal facilities, the following analytical must be performed for the proper characterization of the soils at this location: Total PCB, Total Petroleum Hydrocarbons, TCLP RCRA Metals, TCLP Copper, Nickel, and Zinc, TCLP VOC, TCLP SVOC. Additional analytical tests may be prescribed at the time of excavation. Soil samples may also be requested. One composite sample must be collected and analyzed for every thousand tons of soil that will be removed from the site. All soils must meet the required acceptance parameters of the chosen disposal facilities in order to be accepted. If analysis, or site history, determines that the soil to be excavated must be treated as a RCRA Hazardous soil, WTS will provide HRP Associates with an updated quotation.

WTS will provide all the necessary shipping paperwork and coordinate the scheduling of trucks and delivery slots at the chosen disposal facility. Option #1 and Option #2 below may both need to be utilized in order to meet the soil disposal capacity needs of the work site.

### Transportation and Disposal:

All pricing is contingent upon profile approval and receipt of samples for analysis (if required) by the disposal facility. WTS recognizes that fuel surcharges are a significant portion of transportation costs. Due to the increasing nature of fuel prices and surcharges, WTS will hold the following prices firm for a period of thirty (30) days from the date of quote submittal. In the event that the services are performed at

THE FOLLOWING INFORMATION IS THE CONFIDENTIAL AND EXCLUSIVE WORK PRODUCT OF WASTE TECHNOLOGY SERVICES, INC. (WTS) AND AS SUCH NO PORTION THEREOF SHALL BE DISTRIBUTED TO ANY UNAUTHORIZED THIRD PARTY WITHOUT THE EXPRESS WRITTEN CONSENT OF WTS. a later date, WTS may need to adjust the following prices to account for changes in fuel and energy surcharges. WTS has included current transportation fuel surcharges in the following prices:

Non-Hazardous Soil for Thermal Desorption Treatment:

\$81 per ton

(Twenty-four (24) ton minimum per shipment, Moisture levels less

than 18% and clay content less than 25%)

Non-Hazardous Soil for Subtitle D Landfill (Option #1):

\$43 per ton

(Must meet acceptance parameters of landfill,

Twenty-four (24) ton minimum per shipment)

Non-Hazardous Soil for Subtitle D Landfill (Option #2):

\$45 per ton

(Must meet acceptance parameters of landfill,

Twenty-four (24) ton minimum per shipment)

**Dump Trailer Liners:** 

\$65 per liner

### Additional Conditions and Explanation of Pricing:

- A 6.5 % Environmental, Insurance, and Security Surcharge will be applied to only the *disposal* portion of the above quoted transportation and disposal services.
- Federal, State, and Local Taxes/Fees have not been included in the above costs and will be included on the final invoices.
- Additional fees for truck permitting may be required to complete this project. The number of trucks required onsite for this project will govern the necessity for additional permits. All permitting fees will be included on the final invoices, if applicable.
- All transportation services assume one (1) free hour of loading and unloading time. Additional demurrage is \$100 per hour.
- In the event that a non-conforming waste arrives at one of the chosen disposal facilities, WTS will promptly provide HRP with pricing for any additional required treatment and/or transportation necessary to dispose of the soils or concrete debris in accordance with state and federal regulations.
- Any additional wastes generated from this project, outside of the above quoted materials, will be quoted separately upon discovery. In the event that analytical testing is required onsite, WTS will ask HRP to perform the additional analytical testing.
- Fuel surcharges are based on current fuel prices established by the DOE on a weekly basis. If this work is performed at a later date, the applicable fuel surcharge for that time will apply.

Please feel free to contact me with any questions or concerns you may have. Thanks!

Very Truly Yours,

Chuck Emerson

Waste Technology Services, Inc.

40 Hamilton Lane Glenmont, NY 12077 Website: www.epsofvermont.com



PHONE: (518) 465-4000 FAX: (518) 465-5722 1-800-5SPILLS

# **WORK QUOTATION / AUTHORIZATION**

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40 Hamilton Lane Glenmont, NY 12077 Website: www.epsofvermont.com



PHONE: (518) 465-4000 FAX: (518) 465-5722 1-800-5SPILLS

# **WORK QUOTATION / AUTHORIZATION**

HRM	HRP Associates, Inc.	CONTACT	Callyn Dinan
	100 Saratoga Village Blvd.		Ph# (518) 899-3011
	Ballston Spa, New York 12020	_	Fax# (518) 899-8129
DATE	7/22/08	_	Bid #4852a
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Bv:	Tille;	Date:	
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# FAX COVER SHEET

Joseph R. Wunderlich, Inc. P.O. Box 245 Latham N.Y. 12110 518-785-6084 fax 518-785-6214

Date: $\frac{7/21/08}{}$	
Attn: CAYLYAN D'WAN	
From:	
Total # of pages (including cover sheet):	
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	0
27.80	
Seven Dollar Per	/ 4 del
	Dala

# Troy Sand And Gravel Co. Inc. Washed And Processed Sand And Gravel

Alpine
Sand & Gravel

Lake Sand & Gravel

# Fax Transmittal

Please Deliver The Following Page Immediately To
Name: Cailyn Dixon 899-3011 X 208
Company: HRP ASSOCIATES
Fax #: <u>(518) 899-8129</u>
From (Name): Nicholas M DiNova Jr.
Our Fax #:(518) 273-6134
Date: 7/16/08
Project: Mechanicville NY
Message: 3000 YD OF BANK RUN FILL =\$7.90 TON.
I am sending Pages Including This Cover Letter Original Will Will Not Follow

### Cailyn E. Dinan

From: Lynne Farrell [LFarrell@precisionindustrial.info]

**Sent:** Tuesday, July 01, 2008 1:27 PM

To: Cailyn E. Dinan

Subject: RE: Mechanicville quote

Hi Cailyn,

Vac and operator are at \$ 135.00 per hour for up to 8 hours and weekdays, after 8 hours and weekends we are at \$ 160.00 per hour. Disposal is at \$ .75 per gallon (if there are multiple loads/large volume we can possibly adjust this rate down). The above costs includes fuel surcharges, haz mat driver, proper insurance along with transportation and disposal paperwork/documentation.

Let me know if you need anything else.

Thanks Lynne

From: Cailyn E. Dinan [mailto:cailyn.dinan@hrpassociates.com]

Sent: Tuesday, July 01, 2008 9:31 AM

To: Lynne Farrell

Subject: Mechanicville quote

Hi Lynne-

We have a site in Mechanicville that we are going to be hogging soil out of. I don't think there will be any water issues there but just in case, can you give me a quote for a vac truck, operator and water disposal? Thanks for the help.

Cailyn E. Dinan
Senior Project Geologist
HRP Associates, Inc.
100 Saratoga Village Blvd., Suite 27
Malta, NY 12020
P (518) 899-3011 x 208
F (518) 899-8129
www.hrpassociates.com

40 Hamilton Lane Glenmont, NY 12077 Website: www.epsofvermont.com



PHONE: (518) 465-4000 FAX: (518) 465-5722 1-800-5SPILLS

# **WORK QUOTATION / AUTHORIZATION**

HIKM	HRP Associates, Inc.	CONTACT	Cailyn Dinan
	100 Saratoga Village Blvd.		Ph# (518) 899-3011
	Ballston Spa, New York 12020	*****	Fax# (518) 899-8129
DATE	5/30/08		
	nental Products & Services of Vermont, Inc. wil		or, equipment, and materials,
	herwise specified, to perform the following sco		
	an equipment operator and vacuum truck in Nill need to be acceptable to the disposal facility time.		
	Vacuum Truck and Operator:	\$ 140	.00/hour
	Liquid Disposal Cost:		).60/gallon
project. for Sara	separate line item unless a tax exempt form is If greater than 8 hours then 1.5x the above ra toga County operating engineer (building), Cla uel surcharge is an additional charge.	te. This bid is	based upon prevailing wage
JOB CO	ST: TIME & MATERIAL X QU	OTED \$ SEI	E ABOVE
above, unless packaging sta Vermont, Inc.	onform to all local, state, and federal regulations. If this job is quoted agreed in writing, will be billed at the current Time and Material rates undards if it is a hazardous DOT material. If the packaging does not rewill overpack the containers and all associated costs incurred will be standard Time and Material Rates.	<ol> <li>All customer contain neet these standards.</li> </ol>	nerized waste must meet US DOT "UN" Environmental Products & Services of
payment term:	n is valid for 30 days from the above date and subject to verification the sare net 30 days. Service charges may be imposed at 1.5 percent per an all costs of collection, including, but not limited to, reasonable attorn	er month on all baland	ces over thirty days. Customer will be
by reasons of consequence	ees to indemnify, exonerate, and hold Environmental Products & Ser suits, claims, demands, judgements, and causes of action for persor of the performance of all work undertaken by Environmental Producted the performance of all work undertaken by Environmental Producted the performance of all work undertaken by Environmental Producted the performance of action attributed in the performance of action at the perfo	nal injury, death or pro s & Services of Vermo	perty damage rising out of or in any way in ont, Inc. except that in no instance shall the
Reports. If I v Job Reports.	ept the labor, materials, and equipment utilization as reported on the wish to have them reviewed, I will have a representative on site a The Daily Job Report is not applicable for product only sales. See reducts Policy.	t the completion of veverse side of this fo	vork each day to review and sign the Daily rm for Product Delivery Charges and
		Environmental Produ Jeffrey Kaleta	icts & Services of Vermont, Inc. Representative
		oemey Naleta	
If you accept t	this proposal and terms set forth on both sides of the form, please sig	n below and return thi	s original copy for our files.
Ву:	Title:	Date:	

### Rental/Sales Estimate



#### www.rainforrent.com

5626 Tec Drive Avon, NY 14414 Phone: 585-226-8280 Fax: 585-226-9483

Estimate Number: 10-053-220777 Prepared By: James McAloon Job Description:

Dewatering Excavation with possible VOC contamination. Ground water storage and testing. Possible treatment if necessary. Hauling rate includes fuel surcharges and is quoted per trip. Estimated number of trips for all equipment is

at least 2...

Customer: Hrp Associates Inc.

Customer ID: Q28700

Address: 167 New Britain Road City/State: Plainville, CT 06062 Contact: Kailyn Dinan

Office: 518-899-3011 Ext. 208

Fax: 518-899-8129

Location:

...Carbon delivery is prepaid and additional to this quote. Exact Location to be determined later. Exact date to be

determined later. Mechanicsville, NY

Application: Pumping and storage Materials: Groundwater from Excavation Flow: Max 500 gpm Suction Lift: 15 ft

\*Rain for Rent Cycle = 28 Days.

Rental Items 5240 2 weeks									
= Qty	Unit	Duration	Item	Description **	Day ==	Week	*Cycle		
1	Each	1 Day	+660506	TANK-POLY 4900 GAL	\$24.00	\$0.00	\$0.00	\$24.00	240.2
1	Each	1 *Cycle	+811010	PUMP-TRASH DV100 TRLR	\$100.00	\$300.00	\$900.00		1 '
1	Each	1 *Cycle	+632005	FILTER-BAG BF100		\$205.00	\$410.00	\$410.00	
1	Each	1 *Cycle	722934	HOSE TNK TRK 4X20 CAMXCAM			\$120.00	\$120.00	
1	Each	1 *Cycle	722455	HOSE NITRL YLW 4X50 CAMXCAM			\$120.00	\$120.00	
2	Each	1 *Cycle	325406	400-AL-AL DX 4" FLANGE x ADAPT (pump and filter)			\$10.00	\$20.00	
2	Each	1 *Cycle	325411	400-DL-AL DX 4" FLANGE x COUPL (pump and filter)			\$10.00	\$20.00	
1	Each	0 Day	+560205	TANK-BILEVEL UNCTD (21k frac tank just in case more capacity is needed)	\$42.00	\$0.00	\$0.00	\$0.00	
1	Each	1 *Cycle	325254	BAUER-SCREEN-SUC 4 SCRXBALL			\$1.00	\$1.00	
1	Each	1 *Cycle	720662	GATE VALVE 4" CAST IRON (throttle control for pump)			\$64.00	\$64.00	

Rental Sub Total: \$1,679.00

### Sales Items

Qty	Unit	Item	Description	Unit Price	Extension
50	Each	713518	FILTER-BAGS 5-MICRON	\$7.00	\$350.00
4	Each	711430	OBS-GASKET 4 FLANGE FULLFACE (2 for pump and 2 for filter)	\$6.00	\$24.00
1	Each		Aquacarb 200 carbon drums (disposal is customer responsibility)	\$530.00	\$530.00

Sales Sub Total: \$904.00

Sub Total: \$2,583.00

*The Terms and Conditions of the Rain For Rent Rental and Acute Hazardous Waste Agreements, Credit Application, Invoice and this estimate contain the	Est. Delivery Hauling	\$384.00
complete and final agreement between Rain For Rent and Customer and no other agreement in any way modifying or adding to any of said Terms and Conditions will be binding upon Rain For Rent unless made In writing and signed by a Rain For	Est. Pick-up Hauling	\$384.00
Rent Corporate Officer.  *Payment terms are net 30 days from invoice date. A 1.5%month late charge will be	Est. Install Labor	\$0.00
made on any past due invoices. *Estimate is valid for 30 days and is subject to credit approval. *Availability subject to change without notice.	Est. Removal Labor	\$0.00
*Estimates are based on Customer supplied information and are subject to change based on actual requirements and usage.	Est. Enviro. Recovery Fee	\$7.00

	( Does Not Include Sales Tax )	Estimate Total:	\$3,358.00
Date Prepared: 6/2/2008		Valid Until: 7/2/2008	
Customer		Date	

By signing this estimate, customer represents that customer has read and agreed to all terms of this estimate, including those on Terms & Conditions page and those on the Additional Specifications page (if applicable).



# **Estimate**

5 McCrea Hill Road Ballston Spa New York, 12020 Phone: (518) 885-5383 Fax: (518) 885-5385 www.aztechtech.com

DATE	ESTIMATE#
7/24/2008	882F

### A WOMAN OWNED BUSINESS: NYS WBE #49360

NAME / ADDRESS	PROJECTE	JUATION			
HRP Associates Cailyn Dinan 100 Saratoga Village Boulevard Suite 27 Malta, NY 12020	OnSite Water T Mechanicville, Elizabeth Stree	NY			
			Terms	Р	ROJECT
			Net 30	Mecha	nicville - Bro
DESCRIPTION			QTY	COST	TOTAL
PROPOSAL FOR ONSITE WATER TREATMENT					
Aztech Technologies will provide two 800 lb granular activated carbexcavated water and local discharge. Aztech will provide bag filter by removal. Aztech will provide material to construct a culvert well and water from the culvert. Treatment will be done performed on an as by the hour for work performed. If Aztech personnel are operating the equipment cost reduction synergies may be available by stopping, so system while onsite. A dedicated person will be required for system 2-5 cubic yards of washed stone will be needed around the culvert was contracting for all fill material.  Aztech Technologies recommends that a 21,000 gallon fract tank be for batch treatment. Depending on groundwater conditions more the Aztech Technologies can contract for this at cost plus 10% or HRP Typically rates are \$35 to \$40 per day per tank plus a mobilization for at project end. Aztech Technologies can provide this service. The formula tank and containerization of silt in drums is \$1800. Disposal of drum System as outlined is capable of treating up to 40 gallons per minute systems capable of 250 gallons minute and can run systems in parameteded.	nousings and filters for pumps and hoses to needed basis and will ne excavator and oth tarting, and adjusting setup.  vell. HRP indicated to utilized to store water an one may be needed an arrange this direct ear. Tank will require estimated fee for cleans is not included.	or silt remove I be billed er heavy the hey will er to allow ed. ctly. cleaning aning of			
The above pricing is valid for 45 days.		TOTA	\L		

# **Estimate**

5 McCrea Hill Road Ballston Spa New York, 12020 Phone: (518) 885-5383 Fax: (518) 885-5385 www.aztechtech.com

DATE	ESTIMATE#		
7/24/2008	882F		

### A WOMAN OWNED BUSINESS: NYS WBE #49360

NAME / ADDRESS
HRP Associates Cailyn Dinan 100 Saratoga Village Boulevard Suite 27 Malta, NY 12020

PROJECT LOCATION	
OnSite Water Treatment Mechanicville, NY Elizabeth Street	

		Terms	PI	ROJECT
		Net 30	Mechai	nicville - Bro
DESCRIPTION		QTY	COST	TOTAL
Approval from NYSDEC is needed to discharge to storm sewer or surface water. Approval from Saratoga County is needed for discharge to sanitary sewer. Aztech Technologies can solicit these approvals if requested but they are not included in this quote. Sampling of influent and effluent at startup, shutdown and occasional periodic intervals during treatment (once every three days to a week is typical) for VOCs is a condition of most approvals. Laboratory analytical is not included in this proposal. We request a copy of all pretreated and treated water results. Aztech requests a sample of the water between the carbons be collected and analyzed via EPA 502.2 at start up and shut down. This is for estimating carbon consumption and billing partial usage. Aztech can collect this analytical for \$64 per sample if needed.				
SENIOR ELEC/MECH TECHNICIAN - Prep and load equipment for site. SENIOR ELEC/MECH TECHNICIAN - Mobilize equipment to site and setup. Run hoses to tanks. Mileage - Pickup Truck Subtotal		4 6 35	57.00 57.00 0.80	228.00T 342.00T 28.00T 598.00
Estimated Daily operations - ONLY DAYS AS NEEDED WHEN WATER LEVEL IN FRAREQUIRES	AC TANK			-
SENIOR ELEC/MECH TECHNICIAN - Mobilize to site, add coagulant to frac tank as needed, setup and begin pumping second tank. Change out bag filters as required.		5	57.00	285.00T
Mileage - Pickup Truck  100 MICRON POLYESTER BAG FILTER  COAGULANT FOR DEWATERING OPERATIONS, PER GALLON Subtotal		35 4 2	0.80 7.55 25.00	28.00T 30.20T 50.00T 393.20
Weekly Rentals Pump & Treatment system, including control panel, carbon vessels, well pump, process pump and bag filter housings.		1	500.00	500.00T
The above pricing is valid for 45 days.	TOTA	\L		

# **Estimate**

5 McCrea Hill Road Ballston Spa New York, 12020 Phone: (518) 885-5383 Fax: (518) 885-5385 www.aztechtech.com

DATE	ESTIMATE#
7/24/2008	882F

### A WOMAN OWNED BUSINESS: NYS WBE #49360

NAME / ADDRESS	PROJECT LOCA
HRP Associates Cailyn Dinan 100 Saratoga Village Boulevard Suite 27 Malta, NY 12020	OnSite Water Trea Mechanicville, NY Elizabeth Street
1	1 1

PROJECT LOCATION
OnSite Water Treatment Mechanicville, NY Elizabeth Street

		Terms	PI	ROJECT
		Net 30	Mechai	nicville - Bro
DESCRIPTION	• • • • • • • • • • • • • • • • • • • •	QTY	COST	TOTAL
Materials 24" HDPE CORRUGATED CULVERT CARBON USAGE CHARGE - assumes 100% life; includes: Carbon Inbound Freight; La Loading Unit; Labor Vacuuming Unit; Outbound Freight; Reactivation Charges. 100% Us \$2.35 / lb Sales Tax Exempt	oor age =	12 1,600	17.73 2.35 0.00%	212.76T 3,760.00T 0.00
The above pricing is valid for 45 days.	TOTA	AL		\$5,463.96

# HRP associates, Inc.

Creating the Right Solutions Together

September 23, 2008

Ms. Tammy Ballestero Saratoga Co. Sewer District #1 Route 4 & 32 P.O. Box 550 Mechanicville, NY

RE: AGREEMENT TO ACCEPT REMEDIATED GROUNDWATER AT THE MECHANICVILLE INDUSTRIAL PARK, MECHANICVILLE, NY

Dear Ms. Ballestero:

The purpose of this letter to notify Saratoga County Sewer District #1 (SCSD) that remediated ground water discharge work began at the site located at Industrial Park Road, Mechanicville, NY on September 22, 2008. The initial certified flow meter reading before work began was 882,600 units. Every unit on the flow meter is equal to 100 gallons. HRP will notify SCSD when discharged has been completed as well as the final meter reading.

If you have any questions or comments, please do not hesitate to contact HRP Associates, Inc. at (518) 899-3011.

Sincerely,

HRP ASSOCIATES, INC.

Cailyn E. Dinan Senior Project Geologist

cc: Mayor Sylvester / City of Mechanicville

#### CONNECTICUT

197 Scott Swamp Road Farmington, CT 06032 800-246-9021 860-674-9570 FAX 860-674-9624

#### **FLORIDA**

8875 Hldden River Parkway Suite 300 Tampa, FL 33637 888-477-1877 813-975-7178 FAX 813-975-7170

#### **NEW YORK**

100 Saratoga Village Blvd. Suite 27 Malta, NY 12020 888-823-6427 518-899-3011 FAX 518-899-8129

#### **PENNSYLVANIA**

1060 First Avenue Suite 400 King of Prussia, PA 19460 866-232-9824 610-768-8061 FAX 610-337-9548

#### SOUTH CAROLINA

1327 Miller Road Sutte D Greenville, SC 29607 800-752-3922 864-289-0311 FAX 864-281-9846

#### www.hrpassociates.com

- Due Diligence
- Site Investigations
- Brownfields Redevelopment
- Remedial/Corrective Action
- · Civil Engineering
- · Land Surveying
- Site Planning
- · Environmental Permitting
- · Hazardous Waste Management
- Air Quality & Pollution Control
- Water & Wastewater Management
- Health & Safety
- Environmental Management Systems

# HRP associates, Inc.

Creating the Right Solutions Together

October 22, 2008

Ms. Tammy Ballestero Saratoga Co. Sewer District #1 Route 4 & 32 P.O. Box 550 Mechanicville, NY

RE: AGREEMENT TO ACCEPT REMEDIATED GROUNDWATER AT THE MECHANICVILLE INDUSTRIAL PARK, MECHANICVILLE, NY

Dear Ms. Ballestero:

The purpose of this letter to notify Saratoga County Sewer District #1 (SCSD) that remediated ground water discharge work was completed at the site located at Industrial Park Road, Mechanicville, NY on October 3, 2008. The initial certified flow meter reading before work began was 882,600 units and the final reading was 987,800 units. Every unit on the flow meter is equal to 100 gallons. The total amount of water that was discharged into the sewer system was 105,200 gallons.

If you have any questions or comments, please do not hesitate to contact HRP Associates, Inc. at (518) 899-3011.

Sincerely,

/ris

HRP ASSOCIATES, INC.

Cailyn E. Dinan Senior Project Geologist

cc: Mayor Sylvester / City of Mechanicville

#### CONNECTICUT

197 Scott Swamp Road Farmington, CT 06032 800-246-9021 860-674-9570 FAX 860-674-9624

#### **FLORIDA**

8875 Hidden River Parkway Suite 300 Tampa, FL 33637 888-477-1877 813-975-7178 FAX 813-975-7170

#### **NEW YORK**

100 Saratoga Village Blvd. Suite 27 Malta, NY 12020 888-823-6427 518-899-3011 FAX 518-899-8129

#### **PENNSYLVANIA**

1060 First Avenue Suite 400 King of Prussia, PA 19460 866-232-9824 610-768-8061 FAX 610-337-9548

#### SOUTH CAROLINA

1327 Miller Road Suite D Greenville, SC 29607 800-752-3922 864-289-0311 FAX 864-281-9846

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- Land Surveying
- Site Planning
- Environmental Permitting
- Hazardous Waste Management
- · Air Quality & Pollution Control
- Water & Wastewater Management
- Health & Safety
- Environmental Management Systems

## AGREEMENT TO ACCEPT REMEDIATED GROUNDWATER

Re: Groundwater Discharge from Vacant Railroad Lot, Industrial Park Road, Mechanicville, NY

NYSDEC ERP Project: NYSDEC Site #E546050; Contract #C303093

<u>Between</u>

And

Anthony Sylvester, Mayor City of Mechanicville 36 North Main Street Mechanicville, NY 12118

Saratoga County Sewer District #1 Rts. 4 & 32: P.O. Box 550 Mechanicville, NY 12118

Based on information provided by HRP Associates, Inc. on behalf of the City of Mechanicville and submitted to the Saratoga County Sewer District #1 (SCSD) on September 15, 2008, in addition to analytical data also provided, SCSD is in agreement to accept groundwater remediation discharge from the vacant Boston & Maine Railroad yard located on Industrial Park Road, Mechanicville, NY. It is the understanding of SCSD that the NYSDEC ERP Project (Reference numbers: NYSDEC Site #E546050 and Contract #C303093) will discharge to the sanitary access point, known as Outfall 001, located approximately <sup>†</sup>/. 130 ft. East of Elizabeth Street Extension, Mechanicville, NY and North of the existing ball field, as per Map #07-119-L with the aforementioned proposed plan submitted for the SCSD Wastewater Discharge Permit Application and on file in the District office.

The petroleum contaminated groundwater will be pretreated with a large filter and then two (2) carbon activated vessels before discharge to the sanitary sewer. Initially, there will be 42,000 gallons of remediated water discharged over a 48 hour period from the two (2) 21,000 gallon frac tanks on-site. Then, it is expected that there will be approximately another 42,000 gallons maximum of treated groundwater to be discharged at a rate of 30 gpm over 8-9 hour work days for six days and most likely not to exceed a two week period.

It is the understanding of SCSD that the work will begin immediately upon signing of this agreement and is expected to not last longer than a two week period. However, not knowing the unforeseen weather conditions that could delay work at the remediation site, the agreement is written to become effective upon endorsement by SCSD and will expire one (1) month after the date of such endorsement. It will be the responsibility of the City of Mechanicville to notify SCSD in writing well in advance if an extension to this agreement is required to complete the discharge work.

The fee for this discharge is set at \$117 per user unit. A user unit is equivalent to 73,000 gallons. With the information provided, as detailed in the above text, the discharge from this said project is equivalent to two (2) user units and thus equivalent to a fee of \$234. Subsequent fees will be determined if there is additional flow and/or an extension to the agreement is required.

SCSD must be notified in writing when the discharge work begins and ends. SCSD must also be provided with written flow data from a certified flow meter for the discharge from this project.

The design of this agreement is to outline both parties understanding of the conditions of the aforementioned discharge.

### AGREEMENT TO ACCEPT REMEDIATED GROUNDWATER

Print Name: ANThony J. SYlv FSTER Sp

Signature Ant by All hole

Date: 9/2 2/08/

- for the City of Mechanicville

Print Name James Di Pasquale Signature

Date: 9 19 08

- for SCSD #1

Prepared by:

Tammy M. Ballestero, Technical Director

cc: Alicia Thorne, NYSDEC
Nathan Freeman, NYSDOH

tmb/LAB: DATA/City of Mechanicville Remediation Agreement 0908

# Certificate of Treatment & Recycling

ESMI of New York hereby acknowledges the *Treatment & Recycling* 

of 1,471.54 tons of Petroleum Contaminated Soil from

### Mechanicville Industrial

by

## Thermal Desorption

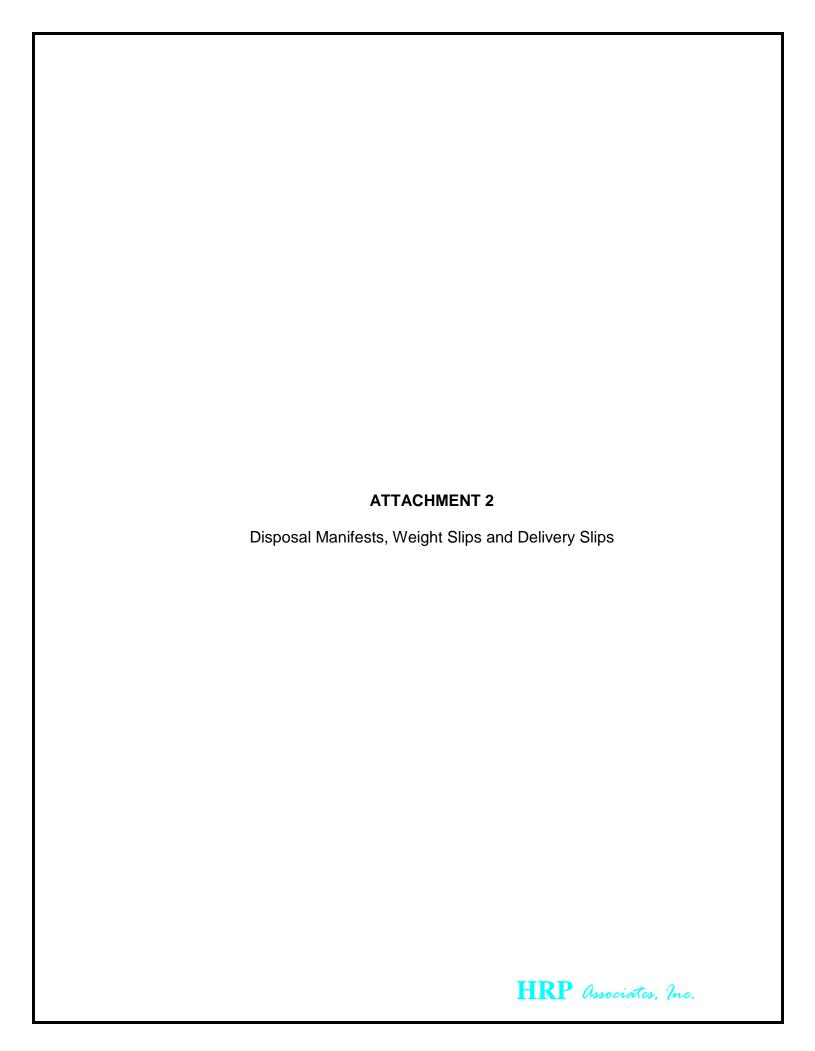
Certificate No. 092508-8351

Issued To: MO Environmental Services

Peter C. Hansen, Compliance Manager

Environmental Soil Management of New York, LLC.

New York State DEC Permit No. 5-5330-00038/00019



ESMI OF NEW YORK 304 TOWPATH ROAD TICKET NO : (518)747-5500 ET No : 2037384 DATE : 9/24/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 JOB No :8351 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,471,54 QUEENSBURY, NY 12804 TRUCKER: MC-303 MC ENVIRONMENTAL 106200 SCALE 1 IN 12:10:34PM 33640 STORED OUT GROSS : TARE : 72560 36.280 NET: LB MXOT 02 MIX/GAS & DIESEL WEIGH MASTER TESON\_#530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037373 DATE: 9/24/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES JOB No :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUEENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 1,435.26 QUEENSBURY.NY 12804 TRUCKER: MC-303 MC ENVIRONMENTAL GROSS: 112580 SCALE 1 IN 9:57:13AM TARE: 33640 STORED OUT 78940 39,470 NET: LB 02 MIX GAS & DIESEL TOXW WEIGH MASTER IM, MAITESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037289 DATE: 9/17/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES JOB NO :8351 MECHANICVILLE INDUSTRIAL 526 QUEENSBURY AVE. INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,310.56 QUEENSBURY, NY 12804 TRUCKER: MC-303 MC ENVIRONMENTAL GROSS: 115820 SCALE 1 IN 1:14:28PM TARE: 33640 STORED OUT 82180 MX01 02 MIX GAS & DIESEL 41.090 WEIGH MASTER MAITESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK (518)747-5500 T No : 2037273 DATE : 9/17/2008 TICKET No : 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES JOB No :8351 MECHANICVILLE INDUSTRIAL 526 QUEENSBURY AVE. INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,165.56 QUEENSBURY, NY 12804 TRUCKER: 104380 Scale 1 IN 8:40:14AM 33640 STORED OUT GROSS: MC-303 MC ENVIRONMENTAL TARE : 70740 35.370 NET: LB MX01 02 MIXLGAS & DIESEL WEIGH MASTER ATTESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK (518)747-5500 TICKET No : 2037278 DATE : 9/17/2008 12828 MAX. ACCEPTABLE SOIL: 3,000.00 Customer: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO :: 8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,234.64 QUEENSBURY, NY 12804. TRUCKER: MC-303 MC ENVIRONMENTAL 107740 SCALE 1 IN 10:55:03AM 33640 STORED OUT GROSS : TARE : NET: 74100 LB 02 MIX GAS & DIESEL MX01 37.050 WEIGH MASTER MAZTESON #530022 MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037291 DATE : 9/17/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 JOB No :8351 MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUEENSBURY AVE. MECHÂNICVILLE NY RUNNING TONNAGE: 1,366.01 QUEENSBURY, NY 12804 72660 SCALE 1 IN 2:42:38PM 30640 STORED OUT TRUCKER: GROSS : MC-001 MC ENVIRONMENTAL TARE : 42020 NET: MX01 02 MIX/GAS & DIESEL 21.010 TESON #530022 WEIGH MASTER MATERIAL DELIVERY Misc DRIVER: TAX TOTAL \$

TICKET No : 2037274 DATE : 9/17/2008 (518)747-5500 ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX, ACCEPTABLE SOIL: 3,000.00 JOB No :8351 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUEENSBURY AVE. MECHANICYILLE NY RUNNING TONNAGE: 1,197.59 QUEENSBURY, NY 12804 98500 Scale 1 In 8:46:35AM 34440 STORED OUT GROSS : TRUCKER: TARE : M-108 MAPLEWOOD ICE NET : 64060 LB 02 MIX18AS & DIESEL 32.030 MX01 ESON #530022 MATERIAL \$ WEIGH MASTER DELIVERY \$
MISC \$ TAX \$ DRIVER: TOTAL \$ REMARKS:

TICKET No : 2037283 DATE : 9/17/2008 ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 JOB NO:8351 CUSTOMER: MCE10
MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUÉENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 1,269.47 QUEENSBURY, NY 12804 GROSS: 104100 SCALE 1 IN 11:02:11AM TARE: 34440 STORED OUT TRUCKER: M-108 MAPLEWOOD ICE NET: 69660 LB 34.830 02 MIX/GAS & DIESEL TOXM MATERIAL \$ /MATTESON #530022 WEIGH MASTER DELIVERY \$ MISC \$ TAX \$ DRIVER: TOTAL \$ REMARKS:

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK TICKET NO : 2037290 DATE : 9/17/2008 (518)747-5500 12828 MAX. ACCEPTABLE SOIL: 3,000.00 Customer: MCE10 MC ENVIRONMENTAL SERVICES JOB No:8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD
MECHANICVILLE NY
RUNNING TONNAGE: 1,345.00 526 QUEENSBURY AVE. QUEENSBURY, NY 12804 GROSS: 103320 SCALE 1 IN 1:18:50PM TARE: 34440 STORED OUT TRUCKER: M-108 MAPLEWOOD ICE 68880 **34.44**0 NET : LB 02 MIX/GAS & DIESEL MX01 #<u>5</u>30022 MATERIAL \$ WEIGH MASTER DELIVERY \$ MISC \$ TAX \$ DRIVER: REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK TICKET No : 2037292 DATE : 9/17/2008 (518)747-5500 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES JOB NO :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUEENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 1,395.79 QUEENSBURY, NY 12804 94000 Scale 1 In 3:35:32PM 34440 STORED OUT GROSS : TRUCKER: M-108 MAPLEWOOD ICE TARE : 59560 29.780 NET : LB MX01 02 MbX GAS & DIESEL IM-MATTESON #530022 WEIGH MASKER MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037270 DATE : 9/16/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB No :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,070.02 QUEENSBURY, NY 12804 TRUCKER: 104080 Scale 1 In 3:28:07PM 33640 STORED OUT GROSS : MC-303 MC ENVIRONMENTAL TARE : 70440 NET: LB MX01 02 MIX GAS & DIESEL 35,220 WEIGH MASTER ATTESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK (518)747-5500 TICKET No : 2037267 DATE : 9/16/2008 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB No :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 985.40 QUEENSBURY, NY 12804 TRUCKER: MC-303 MC ENVIRONMENTAL 102820 SCALE 1 IN 1:23:09PM 33640 STORED OUT GROSS : TARE : 69180 NET: LB 02 MIX GAS & DIESEL TOXM. 34.590 WEIGH MASTER MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI\_OF NEW YORK TICKET NO: 2037260 DATE: 9/16/2008 (518)747-5500 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES JOB NO :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 912.60 526 QUEENSBURY AVE. QUEENSBURY, NY 12804 TRUCKER: 105780 SCALE 1 IN 11:12:37AM 33640 STORED OUT GROSS: MC-303 MC ENVIRONMENTAL TARE : 72140 NET: LB MX01 02 MIX GAS & DIESEL 36,070 WEIGH MAST SON #530022 MATERIAL \$ DELIVERY MISC DRIVER: TAX \$ REMARKS: TOTAL \$ - 14 Santa

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK (518)747-5500 TICKET No : 2037271 DATE: 9/16/2008 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB No :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,093.49 QUEENSBURY, NY 12804 TRUCKER: 77580 Scale 1 In 3:29:21PM 30640 STORED OUT GROSS: MC-001 MC ENVIRONMENTAL TARE : NET: 46940 23.470 LB MX01 02 MIX, GAS & DIESEL WEIGH MASTER: KIM MATTESON #530022 MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 (518)747-5500 TICKET No : 2037268 DATE : 9/16/2008 MAX. ACCEPTABLE SOIL: 3,000.00 Customer: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO:8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,001.40 QUEENSBURY, NY 12804 TRUCKER: 62640 Scale 1 In 1:24:03PM 30640 STORED OUT GROSS : MC-001 MC ENVIRONMENTAL TARE : 32000 16.000 NET: LB MX01 02 MIX GAS & DIESEL KIM MATTESON #530022 WEIGH MASTER: MATERIAL \$ DELIVERY \$ MISC \$
TAX \$ DRIVER: REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK Ticket No : 2037259 Date : 9/16/2008 (518)747-5500 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO:8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 876.53 QUEENSBURY, NY 12804 TRUCKER: 74220 SCALE 1 IN 11:11:47AM 30640 STORED OUT GROSS : MC-001 MC ENVIRONMENTAL TARE : 43580 21.790 NET: LB MX01 02 MIXIGAS & DIESEL WEIGH MASTER: MATTESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 Towpath Road Fort Edward, New York 12828 Ticket No : 2037251 Date : 9/16/2008 (518)747-5500 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 JOB No :8351 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 854.74 QUEENSBURY, NY 12804 TRUCKER: GROSS: 112020 SCALE 1 IN 9:21:52AM TARE: 36600 STORED OUT M-115 MAPLEWOOD 75420 37.710 NET : LB MX01 02 MIX &ADS & DIESEL WEIGH MASTER ESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK (518)747-5500 TICKET No : 2037262 DATE : 9/16/2008 304 Towpath Road Fort Edward, New York 12828 MAX. ACCEPTABLE SOIL: 3,000.00 Customer: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 950.81 QUEENSBURY, NY 12804 TRUCKER: GROSS: 113020 SCALE 1 IN 11:19:19AM TARE: 36600 STORED OUT M-115 MAPLEWOOD NET: 76420 LB MX01 02 MIX GAS & DIESEL 38.210 WEIGH MASTE ESON #530022 MATERIAL \$ DELIVERY \$ MISC \$
TAX \$ DRIVER: REMARKS: TOTAL \$

TICKET No : 2037269 DATE : 9/16/2008 (518)747-5500 ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 Job No :8351 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUEENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 1,034.80 QUEENSBURY, NY 12804 GROSS: 103400 SCALE 1 IN 1:43:29PM TARE: 36600 STORED OUT TRUCKER: M-115 MAPLEWOOD NET: 66800 LB 33,400 02 MIX/GAS & DIESEL MX01 MATERIAL \$ #530022 WEIGH MAST DELIVERY \$ MISC \$ TAX \$ DRIVER: TOTAL \$ REMARKS:

TICKET No : 2037272 DATE : 9/16/2008 ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 12828 FORT EDWARD, NEW YORK MAX. ACCEPTABLE SOIL: 3,000.00 JOB NO :8351 MECHANICVILLE INDUSTRIAL CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,130.19 QUEENSBURY, NY 12804 GROSS: 110000 SCALE 1 IN 3:42:02PM TARE: 36600 STORED OUT TRUCKER: M-115MAPLEWOOD 73400 36,700 NET: LB MX01 02 MIX GAS & DIESEL WEIGH MASTER MATTESON #530022 MATERIAL \$ DELIVERY MISC \$ TAX \$ DRIVER: TOTAL \$ REMARKS:

ESMI OF NEW YORK \_ 304 TOWPATH ROAD \_ TICKET No : 2037232 DATE : 9/15/2008 (518)747-5500 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE Soil: 3,000.00 Customer: MCE10 Jos No :8351 MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL 526 QUEENSBURY AVE. INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 577.99 QUEENSBURY, NY 12804 TRUCKER: GROSS: 107740 Scale 1 IN 8:41:12AM TARE: 36600 STORED OUT M-115 MAPLEWOOD NET: 71140 35.570 L.B GAS & DIESEL MX01 TESON #530022 WEIGH MAS MATERIAL \$ DELIVERY \$ MISC \$ TAX \$ DRIVER: REMARKS: TOTAL \$

ESMI OF NEW YORK (518)747-5500 Ticket No : 2037236 Date : 9/15/2008 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC\_ENVIRONMENTAL SERVICES JOB No :8351 MECHANICVILLE INDUSTRIAL 526 QUEENSBURY AVE. INDUSTRIAL PARK RD MECHANICVILLE NY QUEENSBURY, NY 12804 RUNNING TONNAGE: 649.80 TRUCKER: GROSS: 109760 SCALE 1 IN 10:42:18AM TARE: 36600 STORED OUT M-115 MAPLEWOOD NET: 73160 LB 02 MIX-6AS & DIESEL MX01 36,580 WEIGH MASTE TESON\_#530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037245 Date : 9/15/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 JOB No :8351 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 723.25 QUEENSBURY, NY 12804 GROSS: 112160 MAN WT TARE: 36600 STORED TRUCKER: IN 1:05:23PM OUT M-115 ... MAPLEWOOD NET: 75560 37.780 LB OAS & DIESEL MX01 02 MID WEIGH MAST QN #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK (518)747-5500 TICKET No : 2037248 304 TOWPATH ROAD DATE: 9/15/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 Customer: MCE10 MC ENVIRONMENTAL SERVICES JOB No :8351 MECHANICVILLE INDUSTRIAL 526 QUEENSBURY AVE. INDUSTRIAL PARK RD MECHANICVILLE NY QUEENSBURY, NY 12804 RUNNING TONNAGE: 797.15 TRUCKER: GROSS: 115940 Scale 1 In 3:19:19PM TARE: 36600 STORED OUT M-115 MAPLEWOOD NET: 79340 39.670 LB MXOl 02 MIX-GAS & DIESEL WEIGH MASTE *#*530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK (518)747-5500 TICKET No : T No : 2037162 DATE : 9/10/2008 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB No.:8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 145.30 QUEENSBURY, NY 12804 111220 SCALE 1 IN 33640 STORED OUT TRUCKER: GROSS : 2:02:26PM MC-303 MC ENVIRONMENTAL TARE : 77580 38.790 NET: LB 02 MIX GAS & DIESEL MX01 T/TESON\_#530022 WEIGH MASTER MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK (518)747-5500 TICKET No : 2037141 DATE : 9/10/2008 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES JOB No :8351 MECHANICVILLE INDUSTRIAL 526 QUEENSBURY AVE. .INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 86.59 QUEENSBURY, NY 12804 TRUCKER: MC-303 MC ENVIRONMENTAL GROSS : 102200 SCALE 1 IN 10:57:51AM 33640 STORED OUT TARE: 68560 34.280 NET: LB MX01 02 MIX/GAS & DIESEL WEIGH MASTER **TESON #530022** MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK Ticket No : 2037136 Date : 9/10/2008 (518)747-5500 304 TOWPATH ROAD FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 / JOB No :8351 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 32.51 QUEENSBURY, NY 12804 TRUCKER: MC-303 MC ENVIRONMENTAL 98660 SCALE 1 IN 8:36:44AM 33640 STORED OUT GROSS ; TARE : 65020 32.510 NET : LB 02 MIX IGAS/ & DIESEL MX01 WEIGH MASTER <u> Malifiso</u>n #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK TICKET No : T No : 2037163 DATE : 9/10/2008 (518)747-5500 12828 MAX. ACCEPTABLE SOIL: 3,000.00 JOB No :8351 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUEENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 167.76 QUEENSBURY, NY 12804 75560 Scale 1 In 2:03:20PM 30640 STORED OUT TRUCKER: GROSS : MC-001 MC ENVIRONMENTAL TARE : 44920 NET : LB 22.460 MX01 02 MIX1 GAS & DIESEL WEIGH MASTER MAZITESON #530022 MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK TICKET No : 2037142 DATE : 9/10/2008 (518)747-5500 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO: 8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 106.51 QUEENSBURY, NY 12804 TRUCKER: MC-001 MC ENVIRONMENTAL 70480 Scale 1 In 10:58:37AM 30640 STORED OUT GROSS : TARE : 39840 19.920 NET: LB 02 MIX GAS & DIESEL MX01 WEIGH MASTER MATERIAL DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037137 DATE : 9/10/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 52.31 QUEENSBURY, NY 12804 TRUCKER: GROSS: 70240 Scale 1 In 8:39:13AM 30640 STORED OUT MC-001 MC ENVIRONMENTAL TARE : NET: 39600 LB. MX01 MIX GAS & DIESEL 19,800 WEIGH KIM MATTESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD TICKET No : T No : 2037200 DATE : 9/11/2008 (518)747-5500 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB No :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 311.82 QUEENSBURY, NY 12804 104040 Scale 1 In 3:18:15PM 33640 STORED OUT TRUCKER: GROSS : MC-303 MC ENVIRONMENTAL TARE : 70400 35,200 NET: LB 02 MIX/GAS & DIESEL MX01 WEIGH MASTER ATTESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK TICKET No : 2037184 DATE : 9/11/2008 (518)747-5500 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB No :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 276.62 QUEENSBURY, NY 12804 109000 SCALE 1 IN 12:48:35PM 33640 STORED OUT TRUCKER: GROSS : MC-303 MC ENVIRONMENTAL TARE : 75360 37.680 NET: LB 02 MIX GAS & DIESEL MX01 WEIGH MASTER SON #530022 MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK (518)747-5500 T No : 2037173 DATE : 9/11/2008 TICKET No : 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB No:8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD
MECHANICVILLE NY
RUNNING TONNAGE: 238.94 QUEENSBURY, NY 12804 TRUCKER: 107260 SCALE 1 IN 10:43:41AM 33640 STORED OUT GROSS: MC-303 MC ENVIRONMENTAL TARE : NET: 73620 LB MX01 02 MIX GAS & DIESEL 36.810 WEIGH MASTER LM MATTESON #530022 MATERIAL DELIVERY MISC DRIVER: TAX REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK TICKET No : 2037172 DATE : 9/11/2008 (518)747-5500 12828 MAX. ACCEPTABLE SOIL: 3,000.00 JOB No :8351 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 202.13 QUEENSBURY, NY 12804 102380 SCALE 1 IN 8:36:20AM 33640 STORED OUT TRUCKER: GROSS : MC-303 MC ENVIRONMENTAL TARE : 68.740 NET: LB 02 MIX-GAS & DIESEL MX01 34.370 WEIGH MASTER ATTESON #530022 MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK (518)747-5500 TICKET No : 2037201 DATE : 9/11/2008 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO: 8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 334.09 QUEENSBURY, NY 12804 TRUCKER: MC-001 MC ENVIRONMENTAL GROSS: 75180 Scale 1 In 3:21:30PM 30640 STORED OUT TARE : NET: 44540 LB 02 MIX GAS, & DIESEL MX01 22.270 WEIGH MASTER ON\_#530022 MATERIAL DELIVERY MISC DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD TICKET No : 2037230 DATE : 9/12/2008 (518)747-5500 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO:8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 508.14 QUEENSBURY, NY 12804 TRUCKER: MC-001 MC ENVIRONMENTAL 76220 SCALE 1 IN 3:03:29PM 30640 STORED OUT GROSS: TARE : 45580 22.790 NET: LB MX01 02 MIX-GAS & DIESEL WEIGH MASTER TESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$ Message of the

ESMI OF NEW YORK 304 TOWPATH ROAD TICKET No : 2037228 DATE : 9/12/2008 (518)747-5500 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 JOB No :8351 MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD 526 QUEENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 446.38 QUEENSBURY, NY 12804 TRUCKER: 101920 Scale 1 IN 2:33:29PM 33640 STORED OUT GROSS: MC-303 MC ENVIRONMENTAL TARE : 68280 34.140 NET : LB 02 MAX-GAS & DIESEL MX01 WEIGH MASTER AM MATTESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ TAX \$ DRIVER: REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037247 DATE : 9/15/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 JOB NO :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 757.48 QUEENSBURY, NY 12804 102100 SCALE 1 IN 2:41:40PM 33640 STORED OUT TRUCKER: MC-303 MC ENVIRONMENTAL GROSS : TARE : 68460 LB NET: 34.230 BAS & DIESEL MX01 TESON #530022 MATERIAL \$ WEIGH MARTE DELIVERY \$ MISC \$ TAX \$ DRIVER: TOTAL \$ REMARKS:

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : T No : 2037243 DATE : 9/15/2008 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 JOB No:8351 MC ÉNVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 685.47 QUEENSBURY, NY 12804 104980 Scale 1 In 12:35:19PM 33640 STORED OUT TRUCKER: GROSS: MC-303 MC ENVIRONMENTAL TARE : 71340 NET : LB MX01 GAS & DIESEL 35.670 WEIGH MAS'S FESON #530022 MATERIAL \$ DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : DATE : 9/15/2008 FORT EDWARD, NEW YORK MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 JOB NO:8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. MECHANICVILLE NY RUNNING TONNAGE: 613.22 QUEENSBURY, NY 12804 TRUCKER: -MC-303 MC ENVIRONMENTAL GROSS: 104100 SCALE 1 IN 10:31:16AM TARE: 33640 STORED OUT 70460 LB 35.230 NET : 02 MFK GAS & DIESEL MX01 WEIGH MASTER IM MATTESON #530022 DELIVERY \$ MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD (518)747-5500 TICKET No : 2037231 DATE : 9/15/2008 FORT EDWARD, NEW YORK MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO: 8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 542.42 QUEENSBURY, NY 12804 TRUCKER: GROSS: 102200 SCALE 1 IN 8:23:15AM 33640 STORED OUT MC-303 MC ENVIRONMENTAL TARE : 68560 34.280 NET: 02 MXX GAS & DIESEL MX01 WEIGH MAST #530022 MATERIAL DELIVERY MISC \$ DRIVER: TAX \$ REMARKS: TOTAL \$

ESMI OF NEW YORK 304 TOWPATH ROAD TICKET No : 2037291 DATE : 9/17/2008 (518)747-5500 FORT EDWARD, NEW YORK 12828 MAX. ACCEPTABLE SOIL: 3,000.00 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES 526 QUEENSBURY AVE. JOB NO :8351 MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD MECHANICVILLE NY RUNNING TONNAGE: 1,366.01 QUEENSBURY, NY 12804 72660 SCALE 1 IN 2:42:38PM 30649 STORED OUT TRUCKER: GROSS : MC-001 MC ENVIRONMENTAL TARE : NET: 42020 LB MX01 21.010 02 MIXLGAS & DIESEL WEIGH MASTER MATTESON #530022 MATERIAL \$ DELIVERY \$ MISC \$ TAX \$ DRIVER: REMARKS: TOTAL \$



## Experience is the solution

314 North Pearl Street • Albany, New York 12207 (800) 848-4983 • (518) 434-4546 • Fax (518) 434-0891

September 18, 2008

Cailyn Dinan HRP Associates 100 Saratoga Village Blvd., Suite 27 Ballston Spa, NY 12020

> TEL: (518) 899-3011 FAX: (518) 899-8129

RE: Mechanicville

Dear Cailyn Dinan:

Adirondack Environmental Services, Inc received 1 sample on 9/17/2008 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

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

Sincerely,

Tara Daniels

Laboratory Manager

ELAP#: 10709 AIHA#: 100307

Work Order No: 080917045

R - RPD outside accepted recovery limits

T - Tentitively Identified Compound-Estimated Conc.

## Adirondack Environmental Services, Inc

CLIENT:

**HRP** Associates

Project:

Mechanicville

Date: 18-Sep-08

LabWork Order: 080917045

**PO#:** 

Lab SampleID:

080917045-001

Collection Date: 9/17/2008

Client Sample ID: Frac Tank Effluent

Matrix: LIQUID

Analyses

Result

PQL Qual Units

DF

**Date Analyzed** 

CYANATE SM 4500 CN L

Analyst: CJ

Cyanate

1.6

1.0

mg/L

9/18/2008

- B Analyte detected in the associated Method Blank
- X Value exceeds Maximum Contaminant Level



314 North Pearl Street Albany, New York 12207 518-434-4546/434-0891 FAX

## **CHAIN OF CUSTODY RECORD**

AES Work Order # 0 80917045

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	SUCLATES	Address:	7064 V	W	\ \{\bar{b}\}	E	<u>-</u> د کل	19	, ST.	27 N	HLTA	(N)		
Send Report To:	(AILYN DIVAN inan@hrpussociotes.	Project Name (Location	MEZHAN	na	اسا	Sam Z	plers:	: (N:	ames) NAN	J TIN	c/de	F 50		
Client Phone No	: 79 Client Fax No: 513 -897	-8129 PON	SALATOGA VIMAGE e (Location)  MECHANICULE  PO Number:				plers		gnature	306				
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	TEMPERATURE		PROPERLY PRESERVED  A N					Received Within Holding Times						
Notes:	Ambient or Chilled	Notes:	a IV				N	lotes	s:					

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy



314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

## TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither Adirondack Environmental Services, Inc., nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of Adirondack Environmental Services, Inc.'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against Adirondack Environmental Services, Inc. arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) Adirondack Environmental Services, Inc. reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an Adirondack Environmental Services, Inc. report by other than our customer does not constitute a representation of Adirondack Environmental Services, Inc. as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.
- (g) Payments by credit card are subject to a 3% additional charge.

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	3. Generator's Name and Mailing Address City of Mechanicville 15. March Helm Stranf Mechanicville, NY 12118			Indu	strial Park	Drive				
	4. Generator's Phone ( 518 ) 664-8331			Mechanicville, NY						
	5. Transporter 1 Company Name	6. US EPA ID Number	-	A. State Transporter's ID						
	IF CENTROWNERTH, SERVICES, INC.	MV19000021071		B. Transponer 1 Phone						
	7. Transporter 2 Company Name	8. UŞ EPA ID Number	•	C. State Transporter's ID						
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	9. Designated Facility Name and Site Address.	10. US EPA ID Number		E. State Fed	ility's ID					
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TICKET NO : 2037292 DATE : 9/17/2008 ESMI OF NEW YORK 304 TOWPATH ROAD FORT EDWARD, NEW YORK (518)747-5500 12828 MAX. ACCEPTABLE SOIL: 3,000.00 JOB NO :8351 CUSTOMER: MCE10 MC ENVIRONMENTAL SERVICES MECHANICVILLE INDUSTRIAL INDUSTRIAL PARK RD
MECHANICVILLE NY
RUNNING TONNAGE: 1,395.79 526 QUEENSBURY AVE. 12804 QUEENSBURY, NY 94000 SCALE 1 IN 3:35:32PM 34440 STORED OUT GROSS: TRUCKER: TARE : M-108 MAPLEWOOD ICE 59560 29.780 LB NET : 02 MLX GAS & DIESEL MX01 MATERIAL \$ MATTESON #530022 WEIGH MASTER DELIVERY \$ MISC \$ TAX \$ DRIVER: TOTAL \$ **REMARKS:** 

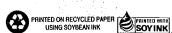
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	3. Generator's Name and Mailing Address				Tallia	trial Park Or	
	City of Mechanicvill Mechanicville, Stroot	2118				oicville, MY	1.422
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	11. WASTE DESCRIPTION			12. Co	ntainers	13.	14.
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WASTE MANIFEST	1. Generator's US EPA ID No.			Manifest Document No		2. Page 1 of
3. Generator's Name and Mailing Address						
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	3. Generator's Name and Mailing Address City of Mechanicville 36 Worth Main Street Mechanicville, WY 12				INdus	trial Park	Orive
	Mechanicville, NY 12 4. Generator's Phone (518) 664-8	118 331			Mecha	nicville,	NY
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	M C Environmental Se	rvices. Inc.   N	YR000021071		B. Transporte	er 1 Phone 518-	6 <b>15-</b> 0349
	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Tran		
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	Designated Facility Name and Site Address	10.	US EPA ID Number				
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	1319 Loudon Boad Co <b>hoa</b> s, NY 12047	[%]	<b>7</b> A,		F. Facility's F	Phone 18 <b>3–</b> 2827	e e
	11. WASTE DESCRIPTION			12. Co	ntainers	13.	14.
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3.	Generator's Name and Mailing Address  City of Nochanicville 36 Corta 121n Street Cortanicville, SY 12113				Indust	rial Pack	Orive	
4.	Machanicville, 87 12118 Generator's Phone (513) 564-8331				: echar	deville,	iĀ	
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	H C Divironmental Services,	, Iac. NY	R000021071		B. Transporter	1 Phone 518-0	15-034	9
7.	Transporter 2 Company Name	8.	US EPA ID Number		C. State Trans	·		
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9.	Designated Facility Name and Site Address  Spown of Colonie Landfill  1319 Loudon Road	10.	US EPA ID Number	÷ ,	E. State Facili	-		. *
	Cohoes, NY 12047	14/	Ŋ		F. Facility's Pt	one 3 <b>3-</b> 282 <b>7</b>		
- 1	I. WASTE DESCRIPTION			12. Co	ntainers	13. Total		14. Unit
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G	i. Additional Descriptions for Materials Listed Above				H. Handling C	odes for Wastes Liste	d Above	_
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3. Generator's Name and Mailing Address			,		z.	_l
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4. Generator's Phone ( )	**************************************			Charles and the Control of the Contr	Lank Oil	July 18th
5. Transporter 1 Company Name	6	. US EPA ID Number		A. State Trans		survey of the same
- Allie Ward	J. J. M.			B. Transporter	1 Phone	,
7. Transporter 2 Company Name	8	. US EPA ID Number		C. State Trans	sporter's ID	
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Designated Facility Name and Site Addre	ss 1	0. US EPA ID Number	-	E. State Facili		
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11. WASTE DESCRIPTION	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		12. Co	ontainers	13.	14.
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G. Additional Descriptions for Materials Liste	au Above			H. Handling C	odes for Wastes Listed Abo	ove
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16. GENERATOR'S CERTIFICATION: I her in proper condition for transport. The ma	reby certify that the contents of this s	shipment are fully and accurately describe	ed and are in	all respects		
in proper conductifier transport. The ma	nendis described on this mannest ar	e not subject to rederal nazardous waste	regulations.			
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18. Transporter 2 Acknowledgement of Rece	eipt of Materials	·				Date
17. Transporter 1 Acknowledgement of Reco		Signature			Мо	nth Day Year
19. Discrepancy Indication Space					<del></del>	
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20. Facility Owner or Operator; Certification	of receipt of the waste materials cov	vered by this manifest, except as noted in	item 19.		· · · · · · · · · · · · · · · · · · ·	
		•				Date
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WASTE MANIFEST	PA ID No.		Manifest Document No	. 27A	2. Page 1
3. Generator's Name and Mailing Address  Gity of Machanicville  Benerator's Name and Mailing Address  12118	•		Trelus	trial Park Ori	<i>r</i> e
4. Generator's Phone ( 518) 654-3331			Macha	nicville, MY	
5. Transporter 1 Company Name	6. US EPA ID Number		A. State Trans		
N. C. FROMFONMENTAL SERVICES INC.	WASSING TO A		B. Transporte	r 1 Phone	146
7. Transporter 2 Company Name	8. US EPA ID Number		C. State Tran	sporter's ID	
			D. Transporte	r 2 Phone	
9. Designated Facility Name and Site Address	10. US EPA ID Number		E. State Facil	ty's ID	
FORT EDWARD NY 32028	·. 		F. Facility's Pi	none	7
11. WASTE DESCRIPTION		12. Co	ntainers	13. Total	14.
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G. Additional Descriptions for Materials Listed Above			H. Handling C	odes for Wastes Listed Above	
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15. Special Handling Instructions and Additional Information					
15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of in proper condition for transport. The materials described on this manifest.		ed and are in regulations.	all respects		
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◀_	WASTE MANIFEST		N/A *	,	Boodinentito	31		of 1	
	3. Generator's Name and Mailing Address City of Mechanicville 36 Worth Main Street Wechanicville, NY 12118					trial Park		6	
	4. Generator's Phone ( 518 ) 654-8331					nicville, M			
	5. Transporter 1 Company Name A C Environmental Services,	6. • Inc. 1 N	US EPA ID Number YR000021071		A. State Transporter's ID 58-175  B. Transporter 1 Phone 518-515-0349				
	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Transporter's ID				
7	7. Handpondi 2 company Hamo	1	·		D. Transporte				
	Designated Facility Name and Site Address	10.	US EPA ID Number		E. State Facili		<u> </u>		
•	Nowm of Colonie Landfill					-			
	1319 Loudon Road				F. Facility's Pl				
Ę.	Cohoes, MY 12047	N	/A		<u> </u>	83-2827			
	11. WASTE DESCRIPTION			l .	ntainers -	13. Total		14. Unit	
				No.	Туре	Quantity		Wt./Vol.	
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	G. Additional Descriptions for Materials Listed Above			J	H. Handling C	Codes for Wastes Listed	Above	· · · · · · · · · · · · · · · · · · ·	
	15. Special Handling Instructions and Additional Information		· .			· <del></del> -		<del></del>	
	15. Special Handling Instructions and Additional Information								
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	16. GENERATOR'S CERTIFICATION: I hereby certify that the in proper condition for transport. The materials described of	e contents of this ship on this manifest are no	ment are fully and accurately describe It subject to federal hazardous waste r	d and are ir regulations.	all respects				
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亍	17. Transporter 1 Acknowledgement of Receipt of Materials		- I	- Stanton				Date	
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စြု	18. Transporter 2 Acknowledgement of Receipt of Materials			·			<u> </u>	Date	
TRANSPORTER	Printed/Typed Name		Signature				Month L	Day Year	
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ĭ	20. Facility Owner or Operator; Certification of receipt of the w	aste materials covere	d by this manifest, except as noted in	item 19.					
-						<u> </u>		Date	
ij	Printed/Typed Name	•	Signature CMAC	4			Month	Day Year	
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### **NON-HAZARDOUS WASTE MANIFEST**

Pleas	e print or type (Form designed for use on elite (	12 pitch) typewriter)	<u> </u>			-			
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EP	A ID No.			Manifest Document No.	30	2. Page 1 of 1	
	3. Generator's Name and Mailing Address City of Mechanicville 36 North Main Street Mechanicville, NY 121	a c				Indust	rial Park (	Orive	
	4. Generator's Phone (518) 664-83	10 31				Bechan	icville, N		
•	5. Transporter 1 Company Name		6. US EPA ID No			A. State Trans			$\Box$
	7. Transporter 2 Company Name	ices, inc.	8. US EPA ID N	·		B. Transporter C. State Trans	1 Phone 518-5	10-0343	$\dashv$
	7. Hansporter 2 Company Name		0. 00 21 7/15 11	anisoi		D. Transporte	·		$\dashv$
	9. Designated Facility Name and Site Address Town of Colonia Landfi	11	10. US EPA ID N	umber		E. State Facili	<u> </u>		
	_ 1319 Loudon Road _ Cohoes, NX 12047		M/A	•	-	F. Facility's PI	none 703-2827		3
	11. WASTE DESCRIPTION			<del></del>	12. Co No.	ntainers Type	13. Total Quantity	14. Unit Wt./Vol	
Ų	a.	-				.,,,,			
	Petroleum Contaminate	d Soil			1	OT .	25,	71 🙊	
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	G. Additional Descriptions for Materials Listed Above	ve			•	H. Handling C	Codes for Wastes Listed	I Above	
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	15. Special Handling Instructions and Additional In	formation				1			
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	16. GENERATOR'S CERTIFICATION: I hereby or in proper condition for transport. The materials	ertify that the contents of described on this manife	this shipment are fully and acc st are not subject to federal ha	urately described zardous waste re	d and are in egulations.	all respects		Date	2 2
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Ţ	17. Transporter 1 Acknowledgement of Receipt of	Materiale		A STATE OF THE STA	Act of the second	ar <sup>ach h</sup>	<del></del>	7 /7 C	Q)
<b>ドボインの中のボールア</b>	Printed/Typed Name	a w	Signature	In	The second secon	ene.	· <u>·····</u>		Year.
S S	18. Transporter 2 Acknowledgement of Receipt of	Materials	/	<i>**</i>				Date	
TER	Printed/Typed Name		Signature		-			Month Day	Year
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C	20. Facility Owner or Operator, Certification of reco	eipt of the waste material	ls covered by this manifest, ex	cept as noted in i	tem 19.				
1	Printed/Typed Name 1	· · ·	Cignature	<del></del>	<del>- / ^</del>		· · · · ·	Date Day	Vac
Y	Printed/Typed Name	A Company of	Signature	1	4/1			Month Day	Year
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA	ID No.		Manifest Document No	268	2. Page 1
	3. Generator's Name and Mailing Address City of Machanicvill North Till Erach Nachanicville, Ny	@ <b>?11</b> A			Indus	strial Park D	cive
	4. Generator's Phone (518) 664-633	E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Machi	micville, NY	
	5. Transporter 1 Company Name		6. US EPA ID Number		A. State Trans		
	P. C. CHAMMANINE ALM BERAND	CES (W)	-44/2 <b>-100/08/0</b> 5/1012		B. Transporte		-(XA)
	7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans		
					D. Transporte	r 2 Phone	
	9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Facili	ty's ID	
	FOR EDWARD, NV 2868	·	I		F. Facility's Pi		e de la companya della companya della companya de la companya della
	11. WASTE DESCRIPTION			12 Co	ntainers	<b>(518</b> ) 747-5	14.
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7	G. Additional Descriptions for Materials Listed Above			<u> </u>			
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	15. Special Handling Instructions and Additional Info	rmation					
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	16. GENERATOR'S CERTIFICATION: I hereby cert in proper condition for transport. The materials de	ify that the contents of thi	s shipment are fully and accurately described	and are in	all respects		
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S	Line War College						1/ 1
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TRANSPORTER	Printed/Typed Name		Signature			Mor	nth Day Year
F	19. Discrepancy Indication Space	-		_			
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ij	20. Facility Owner or Operator, Certification of receip	t of the waste materials c	overed by this manifest, except as noted in it	em 19.			
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Ţ	Printed/Typed Name		Signature		.*	Moi	nth Day Year
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	NON-HAZARDOUS 1. Generator's US EPA ID No. WASTE MANIFEST			Manifest Document No.		2. Page 1 of
	3. Generator's Name and Mailing Address	2/4/	7.7	<i>T</i> , , ,	V. 31	194 X
	4. Generator's Phone ( )  5. Transporter 1 Company Name 6.	US EPA ID Number		ji		1 100 100
	5. Transporter 1 Company Name 6.	US EPA ID Number		A. State Trans		
	7. Transporter 2 Company Name 8.	US EPA ID Number		B. Transporter	- 13-	72.7
	I			C. State Trans D. Transporter	·	
	9. Designated Facility Name and Site Address 10.	US EPA ID Number		E. State Facilit		
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	G. Additional Descriptions for Materials Listed Above			H. Handling C	odes for Wastes Listed Abov	re
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	3. Generator's Name and Mailing Address City of Mechanicville 36 North Main Street				IWdusi	trial Park	Oriva	
	dechanicville, NY 121 4. Generator's Phone (518) 664-63				Hechai	nicville, N	y .	
-	5. Transporter 1 Company Name		6. US EPA ID Number		A. State Tran	sporter's ID 5A-1	75	
	N C Environmental Serv	icas, Inc.	WY2000021071		B. Transporte	W. 18 11 27	15-0349	
	7. Transporter 2 Company Name		8. US EPA ID Number		C. State Tran	sporter's ID	-	
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	9. Designated Facility Name and Site Address Town of Colonie Landfi	general control of the control of th	10. US EPA ID Number		E. State Facil	lity's ID		
	1319 Toudon Road Cohoes, MY 12047		M/B		F. Facility's P	hone 83 <b>–</b> 2827		
	11. WASTE DESCRIPTION		•	12. Co	ntainers	13. Total		14. Unit
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	3. Generator's Name and Malling Address		•	25	dustriol"	70, 11-
	4. Generator's Phone (	e ,		<i>V</i> 1	Land to the same	11 2 21
	5. Transporter 1 Company Name 6.	US EPA ID Number	· .	A. State Trans	porter's ID	7/20
	Markey mark I a x 1 -	•		B. Transporter	27	
	7. Transporter 2 Company Name 8.	US EPA ID Number		C. State Trans		-
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	9. Designated Facility Name and Site Address 10.	US EPA ID Number		E. State Facili	ly's ID	•
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	11. WASTE DESCRIPTION			ntainers	13. Total	14. Unit
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3	18. Transporter 2 Acknowledgement of Receipt of Materials	1 Francis At	Comme			<u> </u>
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	19. Discrepancy Indication Space					
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	NON-HAZARDOUS	Generator's US EPA	ID No.		1 14 17 1		
		1. Generators 05 EFA			Manifest Document No	° C 25A	2. Page 1
	WASTE MANIFEST		_R/A			- C 458	of 🖥
	Generator's Name and Mailing Address						
	City of Mechanicville 36 North Main Street Mechanicville, NY 4.Generators Phone (518) 664—23	CB			Inchest	rial Park Dri	3864
	To Marty Mary Street	3440			4.5.5.40-00-00	April 100 and	. * */
	recognitivities, of 1	∠110 <b>9</b> 1			A F on eather man	American I.	
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	5. Transporter 1 Company Name		<ol><li>US EPA ID Number</li></ol>		A. State Trans	porter's ID	
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j	7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans		ARS.A.S.
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					D. Transporte	r 2 Phone	
	9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Facili	ty's ID	
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	BLE TOMPMENT PROMES				F. Facility's Pl	1071e	
	FOR EXMAND NY 12868		I				Telesco.
7	11. WASTE DESCRIPTION			1	L	(618) 747-58	
	II. WASTE DESCRIPTION			12. Co	ntainers	13. Total	14. Unit
	<u> </u>			No.	Type	Quantity	Wt./Vol.
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	O Additional Descriptions for Manager Little LAI			L		<u> </u>	
	G. Additional Descriptions for Materials Listed Above	,			H. Handling C	odes for Wastes Listed Abov	е
	15. Special Handling Instructions and Additional Info	rmation					
	<ol> <li>GENERATOR'S CERTIFICATION: I hereby certi in proper condition for transport. The materials de</li> </ol>	ify that the contents of this	s shipment are fully and accurately described	and are in	all respects		
	in proper condition for transport. The materials de	escribed on this manifest	are not subject to federal hazardous waste re	gulations.	•		
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	<u>and the state of </u>				200	 ب	(1 <i>1)</i>
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၂၀၂	18. Transporter 2 Acknowledgement of Receipt of Ma	aterials		· <u></u>			Date
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NON-HAZARDOUS WASTE MANIFEST  1. Generator's US EPA ID No.  Manifest Document No.	
	2. Page 1
3. Generator's Name and Mailing Address	
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4. Generator's Phone (	1. *
5. Transporter 1 Company Name 6. SEPA ID Number A. State Transporter's ID	. 8
A. Glate Hallspotter's ID  B. Transgorter 1 Phone	728.419
7. Transporter 2 Company Name 8 US EPA ID Number C. State Transporter's ID	Kacinati,
D. Transporter 2 Phone	
9. Designated Facility Name and Site Address 10. US EPA ID Number E. State Facility's ID	
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F. Facility's Phone	
11. WASTE DESCRIPTION 12. Containers 13. Total	14. Unit Wt./Vol.
No. Type Quantity	Wt./Vol.
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G. Additional Descriptions for Materials Listed Above	
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20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 10.	
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.	Date



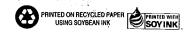
NON-HAZARDOUS WASTE MANIFEST  1. Generator's US EPA ID No.  Manifest Document No.  Manifest Document No.		
3. Generator's Name and Mailing Address	2. P	age 1 f
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5. Transporter 1 Company Name 6. US EPA ID Number A. State Transporter's ID B. Transporter 1 Phone	<u> </u>	<u>01</u>
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11. WASTE DESCRIPTION 12. Containers	13. Total	14.
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15. Special Handling Instructions and Additional Information		
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.		
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18. Transporter 2 Acknowledgement of Receipt of Materials		Date
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA II	O No. /A		Manifest Document No	248	2. Page 1
	3. Generator's Name and Mailing Address City of Machanicville 36 Porth Main Street Machanicville, TY 1 4. Generator's Phone (518) 664-833	e 2 <b>11</b> 6				rial Park Dr	\ve
		1			*iecher	nicville, W	
	5. Transporter 1 Company Name	6 88896 (0.32) 1			A. State Trans	<u> </u>	
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•	7. Transporter 2 Company Name	8	US EPA ID Number		C. State Trans	•	
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	FOR EUWARD MY 12826				F. Facility's Pi	(510) 747-5	<b>30</b> 00
	11. WASTE DESCRIPTION			1	ntainers •	13. Total Quantity	14. Unit
				No.	Туре	Quantity	Unit Wt./Vol.
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G E N E R	b.						
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	G. Additional Descriptions for Materials Listed Above				H. Handling C	odes for Wastes Listed Abov	е
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	16. GENERATOR'S CERTIFICATION: I hereby certiin proper condition for transport. The materials de	fy that the contents of this secribed on this manifest an	shipment are fully and accurately described re not subject to federal hazardous waste re	and are in gulations.	all respects		
	Printed/Typed Name		Signature				Date Voor
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TRANSPORTER	Printed/Typed Name		Signature	per j		Mor	nth Day Year,
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	NON-HAZARDOUS  1. Generator's US E	PA ID No	·	Manifest		l o Barra d
	WASTE MANIFEST	A D NO.		Document No		2. Page 1
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	4. Generator's Phone ( )	and the second s		MB.		
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7	5. Transporter 1 Company Name	6. US EPA ID Number		A. State Trans		
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7	7. Transporter 2 Company Name	US EPA ID Number		C. State Trans		
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	9. Designated Facility Name and Site Address	10. US EPA ID Number		E. State Facili	ity's ID	
	SON TOWARD ROAD					
	FOR EDWARD NY 286			F. Facility's Pl	hone	
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	11. WASTE DESCRIPTION		12. Co	ontainers	13. Total	14.
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ĭŀ	20. Facility Owner or Operator; Certification of receipt of the waste materials	a governed by this promites the	40	<del></del>		
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NON-HAZARDOUS 1. Generator's US EPA II WASTE MANIFEST	*		Manifest Document No.	· · · · · · · · · · · · · · · · · · ·	2. Page 1 of
3. Generator's Name and Mailing Address	oile NY		J	4 Juston	1 Park
4. Generator's Phone ( 1995) 667 255				1	1111
	3. UŞ EPA ID Number		A. State Transp	orter's ID	7
properly size		F	B. Transporter		955 W
	3. US EPA ID Number		C. State Transp	· ·	2 1 22
		-	D. Transporter		
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11. WASTE DESCRIPTION		12. Con	ainers Type	13. Total Quantity	14. Unit Wt./Vol.
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G. Additional Descriptions for Materials Listed Above			H. Hondling Co	des for Wastes Listed Abov	
15. Special Handling Instructions and Additional Information		<u></u>			
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18. Transporter 2 Acknowledgement of Receipt of Materials	1 2	-			Date
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	overed by this manifest, except as noted in i	item 19.			Date



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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EP/	AID NO.		Manifest Document No	<b>).</b>	2. Page 1 of
_	3. Generator's Name and Mailing Address		Western &				
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	4. Generator's Phone ( )		W	7 72 27 19	340 K. J	1	5 4
7	5. Transporter 1 Company Name	, <u>*</u>	6. US EPA ID Number	* * * <u>* * * * * * * * * * * * * * * * </u>	A. State Tran	sporter's ID	2 7
	2.	IN MIL	#11/F16/06/07/17/		B. Transporte		61 <b>46</b> 9
	7. Transporter 2 Company Name		8. US EPA ID Number	. 1	C. State Tran		06-3-6
		775	2. Section 1.	Sec.	D. Transporte	er 2 Phone	
	9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Facil	ity's ID	
7	ESM OF MEN YORK						
	ANTONING AND				F. Facility's P	hone	
	FOR EDWARD, NY 72108					(518) 747-8	
	11. WASTE DESCRIPTION			12. Co	ntainers	13. Total	14. Unit
		<u> </u>		No.	Type	Quantity	Wt./Vol.
	a.						
	PETACLEUM CONTAMINAT	EC SON		XX	Q.T		****
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	G. Additional Descriptions for Materials Listed Above	<u></u>	· · · · · · · · · · · · · · · · · · ·		H. Handling C	odes for Wastes Listed Abo	
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	15. Special Handling Instructions and Additional Infor	mation	•				
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	<ol> <li>GENERATOR'S CERTIFICATION: I hereby certi in proper condition for transport. The materials de</li> </ol>	escribed on this manifest	is snipment are fully and accurately de are not subject to federal hazardous w	scribed and are in vaste regulations.	all respects		
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8	18. Transporter 2 Acknowledgement of Receipt of Ma	aterials					
R	Printed/Typed Name		Signature			Mor	
E						William	] [
	19. Discrepancy Indication Space		<u> </u>				1
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	20. Facility Owner or Operator, Certification of receipt	t of the waste materials o	covered by this manifest, except as not	ied in item 19.			
1  .	Alta Carlos						Date
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WASTE MANIFEST	US EPA ID No.		Manifest Document No.	2333	. Page 1 of 💈
3. Generator's Name and Mailing Address City of Mechanicville 36 North Main Street Mechanicville, NY 12113 4. Generator's Phone (518) 554-3331				rial Park Driv	7(9
				nicville, W	
5. Transporter 1 Company Name	6. US EPA ID Number		A. State Trans		
7. Transporter 2 Company Name	A HO SEA HO N			1 Phone	tau)
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O Designated Egality Name and Cite Address			D. Transporter		·
Designated Facility Name and Site Address	10. US EPA ID Number		E. State Facilit	y's ID	
PORT EDWARD NY TREES			F. Facility's Ph	one	
11. WASTE DESCRIPTION		12. Co	ntainers	13.	14. Unit
		No.	Туре	Total Quantity	Unit Wt./Vol.
a.  DETROLEUM CONTAMINATED SON.  b.		XX	\$ T	4,0	i jame
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15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: I hereby certify that the content in proper condition for transport. The materials described on this materials	ts of this shipment are fully and accurately deso anifest are not subject to federal hazardous wa	pribed and are in ste regulations.	all respects		
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### **NON-HAZARDOUS WASTE MANIFEST**

NON-HAZARDOUS WASTE MANIFEST  1. Generator's US E			Manifest Document No	).	2. Page 1 of
3. Generator's Name and Mailing Address	X131		Ser Sign	Array Cont	Dark
4. Generator's Phone ( ( A ( ) ) / ( A ( ) ) ( A ( ) )			ß.	ertin	1. 1110
5. Transporter 1 Company Name	6. US EPA ID Number		A. State Tran		
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7. Transporter 2 Company Name	8. US EPA ID Number		C. State Tran		**
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9. Designated Facility Name and Site Address	10. US EPA ID Number		E. State Faci		
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11. WASTE DESCRIPTION		12. Co	ntainers	13.	14.
·		No.	Туре	Total Quantity	14. Unit Wt./Vol.
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G. Additional Descriptions for Materials Listed Above			H. Handling (	Codes for Wastes Listed At	ove
15. Special Handling Instructions and Additional Information			L		
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GENERATOR'S CERTIFICATION: I hereby certify that the contents of in proper condition for transport. The materials described on this manife.	this shipment are fully and accurately describ est are not subject to federal hazardous waste	ed and are in regulations.	all respects		
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17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	Signature			, M	onth Day Yea
19. Discrepancy Indication Space	•				
20. Facility Owner or Operator; Certification of receipt of the waste material	ls covered by this manifest, except as noted in	item 19.			
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA N/∧	A ID No.	·	Manifest Document No.	28	2. Page 1 of
	3. Generator's Name and Mailing Address City of Mechanicuill 36 North Main Street Mechanicuille, NY 1 4. Generator's Phone (518) 664-833	.8		·	Indust	rial Park D	rive
	Rechanicyllie, NY 1 4. Generator's Phone (518) 664-833	2118 3			Mechar	ricville, M	i
	5. Transporter 1 Company Name	•	6. US EPA ID Num	ber	A. State Trans		
	M C Environmental Serv	vices, Inc.	17YR000021071		B. Transporte	1 Phone 515-01	5-11349
	7. Transporter 2 Company Name		8. US EPA ID Num	ber	C. State Trans	sporter's ID	
					D. Transporte	r 2 Phone	
	9. Designated Facility Name and Site Address Town of Colonie Landfi	11	10. US EPA ID Nun	ber	E. State Facili	ty's ID	
	-1319 Loudon Road Cohoes, WY-12047		M/A		F. Facility's P	none 3-2827	
	11. WASTE DESCRIPTION		<u> </u>	12. C	ontainers	_13.	14.
				·No.	Туре	Total Quantity	Unit Wt./Vol.
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	Patroleum Contaminated	Soil		1	OT	23.0	3   🕆 _
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	G. Additional Descriptions for Materials Listed Above	/e			H. Handling (	Codes for Wastes Listed A	Above
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	15. Special Handling Instructions and Additional Inf	formation			<u> </u>	_	
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		MARKET ENGINEERY AND					
	16. GENERATOR'S CERTIFICATION: I hereby continuous in proper condition for transport. The materials	ertify that the contents of t described on this manife	this shipment are fully and accura st are not subject to federal haza	itely described and are dous waste regulations	in all respects s.		
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Ŕ	Printed/Typed Name		Signature	7			Month Day Year
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P	18. Transporter 2 Acknowledgement of Receipt of	Materials		-		<del></del>	Date
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F	19. Discrepancy Indication Space						
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I L	20. Facility Owner or Operator; Certification of reco	eipt of the waste material	s covered by this manifest, excep	t as noted in item 19.	-		Date
T	Printed/Typed Name		Signature		<del> </del>	<u> </u>	Month Day Year
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-		NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA II	V/A		Manifest Document No.	#18	2. Page 1
		3. Generator's Name and Mailing Address	City OF Me	Porth Minstrees	/	Indu	istral Prat	Rd
		4. Generator's Phone ( 518) 664 - ( 5. Transporter 1 Company Name	2331 Mcc1	LARICHILLE WYL	2/10		Anicuille	NY
	-	5. Transporter 1 Company Name	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	S. US EPA ID Number	-110	A. State Trans	porter's ID 54-	75
		MC ENVIRONMENTAL	Services II	S. US EPA ID Number  2. <u>VYR 0000 Z10</u> 3. US EPA ID Number	71		1 Phone 518-6/	5-0349
		7. Transporter 2 Company Name	· · · · · · · · · · · · · · · · · · ·	B. US EPA ID Number	}	C. State Trans D. Transporter		
		Designated Facility Name and Site Address		0. US EPA ID Number		E. State Facili	<del></del>	
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		Jour of C 1319 Loude Cohoes N	on Kd	NIA		F. Facility's Ph	one - 783 - 28	s 7.2.
		11. WASTE DESCRIPTION	1. 120 44	, (4	12. Co		13.	14.
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/AS		G. Additional Descriptions for Materials Listed Abov	/e		l	H. Handling C	odes for Wastes Listed Abo	ove ·
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-HAZARDOUS WASTE	4	15. Special Handling Instructions and Additional Inf	formation					
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		16. GENERATOR'S CERTIFICATION: I hereby ce in proper condition for transport. The materials	ertify that the contents of this	shipment are fully and accurately described	and are in	all respects		
		A suppose continuor for transport. The materials	described on this mainlest a	ire not subject to lederal nazardous waste re	guiations.		_	
		Printed/Typed Name	··	Signature	<del></del>	· · · · · · · · · · · · · · · · · · ·	M	Date
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	T	17. Transporter 1 Acknowledgement of Receipt of	Materials		·			Date
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	P	18. Transporter 2 Acknowledgement of Receipt of	Materials	1 Commence				Date
	TEAZOROETHE	Printed/Typed Name	•	Signature			M	onth Day Year
	F	19. Discrepancy Indication Space				. •	<del>-</del>	
	A							
	C	20. Facility Owner or Operator; Certification of rece	eipt of the waste materials co	overed by this manifest, except as noted in it	em 19.			
	L							Date
	T	Printed/Typed Name 60 & KENNEDY	•	Signature KMK einne O	4		М	onth Day Year
l		プレング ハーバリューアノ			71			.   . +   -5

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	NON-HAZARDOUS WASTE MANIFEST  1. Generator's US EPA ID No.			Manifest Document No.	27	2. Page 1 of 1
	3. Generator's Name and Mailing Address  City of Mechanicville  36 North Main Street			Indusi	crial Park D	cive
	36 North Wain Street Wachanicville, WY 12118 4. Generator's Phone (518), 654-8331			Machan	ucville, MY	
•	5. Transporter 1 Company Name 6.	US EPA ID Number		A. State Trans		
		XR000021071			1 Phone 518-615	-0349
	7. Transporter 2 Company Name 8.	US EPA ID Number		C. State Trans  D. Transporter		
	9. Designated Facility Name and Site Address 10.	US EPA ID Number		E. State Facilit		
	1319 Loudon Road Cohoes, AY 12047	/a		F. Facility's Ph	9ng-2827	
-	11. WASTE DESCRIPTION		12. Co	ntainers	13.	14.
			No.	Туре	Total Quantity	Unit Wt./Vol.
	a. Petroleum Contaminated Soil		distant.	i Agi	26.91	
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	15. Special Handling Instructions and Additional Information		7			
	16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipm in proper condition for transport. The materials described on this manifest are not	nent are fully and accurately described subject to federal hazardous waste req	and are in gulations.	all respects		Date
	Printed/Typed Name	Signature	Carried States		2	Ionth Day Year
Ţ.	17. Transporter 1 Acknowledgement of Receipt of Materials	-				Date
TRANSPORTER	Printed/Typed Name	Signature	4	and the second second second second		lonih Day Year
ģ [	18. Transporter 2 Acknowledgement of Receipt of Materials					Date
T E R	Printed/Typed Name	Signature			٨	fonth Day Year
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	20. Facility Owner or Operator; Certification of receipt of the waste materials covered	by this manifest, except as noted in ite	em 19.		Г	Date
T Y	Printed/Typed Name	Signature	<u></u> L			Jate  Jonth Day Year
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.		Manifest Document No.	#17	2. Page 1
	3. Generator's Name and Mailing Address	City of Mechan 36 North Main S	icuille treet		Lustrial Par	ek Kd
	4. Generator's Phone (5/8) 664-83  5. Transporter 1 Company Name	331 Mechanicallo	114/2/18	Mech A. State Trans	Aricuille N	2
	MC ENVIAONMENTAL	Services III NYHOO.  8. USEPAIDI	0021071	B. Transporter	1 Phone 5/8-6/8	5-0349
-			Number	C. State Trans D. Transporter	<del> </del>	
	9. Designated Facility Name and Site Address  10W1 of Colo  1319 Loudo	ine Wirdfill USEPAID	Number	E. State Facilit	y's ID	;
	13/9 LOUDO Colore W. 1	1 /2d.	14		-783-280	
	11. WASTE DESCRIPTION		·12, (	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
	letroleum	Contaminated	Soil	D-	136.65	1
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	G. Additional Descriptions for Materials Listed Above		<del></del>	H. Handling C	Lodes for Wastes Listed Above	)
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	15. Special Handling Instructions and Additional Info	mation				
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	16. GENERATOR'S CERTIFICATION: I hereby cert	ify that the contents of this shipment are fully and ac	curately described and are	in all respects		
	in proper condition for transport. The materials $d$	sécribed on this manifest are not subject to federal h	azardous waste regulation	S.		Date
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RANSPORTER	Printed/Typed Name  Tom Reed	Signature	n Reed		Mon	h Pay Year
ORTER	18. Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name	Signature			Mon	Date th Day Year
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Ľ	20. Facility Owner or Operator; Certification of receip	ot of the waste materials covered by this manifest, ex	cept as noted in item 19.			Data
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ase print or type (Form designed for use on elite  NON-HAZARDOUS  WASTE MANIFEST	1. Generator's US EF	PA ID No.		Manifest Document No		2. Page 1 of
3. Generator's Name and Mailing Address		V . ZZY		7.	other ,	1. A. E.
4. Generator's Phone ( )	A STATE OF THE STA	. ,		1	-c 6-20 12 12 12 12 12 12 12 12 12 12 12 12 12	1
5. Transporter 1 Company Name		6. US EPA ID Number		A. State Tran	sporter's ID	Surge of States
	<u> </u>		<u>,</u>	B. Transporte	r 1 Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Tran	· · · · · · · · · · · · · · · · · · ·	
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18. Transporter 2 Acknowledgement of Receipt of	Materials	<u></u>	31.º			Date
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID N	lo.	<del>.</del>	Manifest Document No.		2. Page 1
	3. Generator's Name and Mailing Address	<u> </u>				1	of
	Ů	1. 15y	of Maria Consider	ya d	<u> </u>	LE GARAGE	a service and a
	4. Generator's Phone ( )	1,2				21	
	5. Transporter 1 Company Name	6.	US EPA ID Number	7.5	A Chata Tanan		<u> </u>
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	7. Transporter 2 Company Name					1 Phone (818) 618	1. page
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	Designated Facility Name and Site Address	I10.	US EPA ID Number	1.4	D. Transporter		
	EAM OF MEAN AND		o z m. z maniba		E. State Facilit	ly s iD	
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	FORT EDWARD, NY 12868	ı			1.1 dollity 51 1		w.
	11. WASTE DESCRIPTION		<del></del>	12. Co	ntainers	13.	
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T	17. Transporter 1 Acknowledgement of Receipt of Ma	aterials		C. C.			Date
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ទ្ឋ	Jim Shan	Land	1 / X Com	C		্	1/5168
S	18. Transporter 2 Acknowledgement of Receipt of Ma	aterials					Date
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L	20. Facility Owner or Operator: Certification of receip	t of the waste materials covere	d by this manifest, except as noted in ite	m 19.			
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3. Generator's Name and Mailing Address City of Mechanicvill 36 North Main Street Mechanicville, NY 1 4. Generator's Phone (518) 654—83	0116			Indust	rial Park Ori	V0
4. Generator's Phone ( 518) (54-83)  5. Transporter 1 Company Name	31	LIC FRA ID Number			icville, NY	
3. Haispotter i Company Name	6. 1	US EPA ID Number		A. State Trans		han file some
7, Transporter 2 Company Name	<del></del>			B. Transporter	1200 00 1 1 1	(L10):
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FOR EDWARD NO MAR				F. Facility's Ph	one	<b>(X</b> )
11. WASTE DESCRIPTION	-		12. Co	ntainers	13. Total	14.
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	4. Generator's Phone (	Sign of the			Ĵ	er grand for a	
4	5. Transporter 1 Company Name	6.	US EPA ID Number		A. State Trans	sporter's ID	The state of the s
					B. Transporter	1 Phone	1000
	7. Transporter 2 Company Name	8.	US EPA ID Number	. ~-	C. State Trans	sporter's ID	
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	11. WASTE DESCRIPTION			1	ntainers	13. Total	14. Unit
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7	16. GENERATOR'S CERTIFICATION: I hereby cert	ify that the contents of this shipmen	t are fully and accurately described	and are in	all respects		
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4. Generator's Phone ( )					17				
5. Transporter 1 Company Name		6.	US EPA ID Numbe	r		A. State Trar	sporter's ID	25°)	
						B. Transport	er 1 Phone		
7. Transporter 2 Company Name	F**	8.	US EPA ID Numbe	r		C. State Tran	nsporter's ID		
	<del></del>					D. Transport	er 2 Phone	•	
Designated Facility Name and Site Address	•	10.	US EPA ID Numbe	er		E. State Fac			
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11. WASTE DESCRIPTION				<u> </u>	12 C	ontainers	13.	· I	1
TH. WASTE DESCRIPTION					* No.	Type	Total Quantity	ŀ	Ur Wt.
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3. Generator's Name and Mailing Address City of Machanicvil Journ Main Street Nachanicville, MY	<b>L</b> e <b>1211</b> 8			Indusi	rial Park Dri	ve
4. Generator's Phone ( 510) 664-	3331			i echai	doville, NY	
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11. WASTE DESCRIPTION			12. Co	ontainers	13.	14.
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11. WASTE DESCRIPTION	<del>.</del>		12 Cc	ntainers	<u>(518) 747-5</u>	14.
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	3. Generator's Name and Mailing Address  City of Mechanic Ville  36 J. Main It  4. Generator's Phone ( ) 664 - 2331  5. Transporter 1 Company Name  6. US EPA ID Number  MGD E	Industria Mehanic	1 Drove
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.			Manifest Document No.		2. Page 1
	3, Generator's Name and Mailing Address					*	of
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	4. Generator's Phone ( )		t Special in		1,0 ,		The same same
	5. Transporter 1 Company Name	6.	US EPA ID Number		A. State Trans	porter's ID	- 700 m
	- Maple Wood I				B. Transporter	1 Phone	
	7. Transporter 2 Company Name	8. I	US EPA ID Number		C. State Trans		
	Designated Facility Name and Site Address		US EPA ID Number		D. Transporte E. State Facili		
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	11. WASTE DESCRIPTION	2 7		12. Co	ntainers	13. Total	14. Unit
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lease	Print or type (Form designed for use on elite (12 pitch) typewriter)  NON-HAZARDOUS WASTE MANIFEST  1. Generator's US EPA IC  N/A	O No.		Manifest Document No.	26	2. Page 1
	3. Generator's Name and Mailing Address City of Mechanicville 3. North Main Street Nechanicville, NY 12118 4. Generator's Phone (513) 664-8331				trial Park D	rive
-	5. Transporter 1 Company Name 6	US EPA ID Number		A. State Trans		
	M. C. Environmental Services, Inc.   7. Transporter 2 Company Name			B. Transporter C. State Trans		5-0349
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	Town of Colonde Landfill	0. US EPA ID Number		E. State Facili	iy's ID	
	1319 Loudon Road Cohoes, UY 12947	12/A		F. Facility's Pl	none -783-2827	
	11. WASTE DESCRIPTION		12. Co No.	ntainers Type	13. Total Quantity	14. Unit Wt./Vol.
	a. P <b>e</b> trolaum Contaminated Soil		1	O.E.	20.75	5 7
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	G. Additional Descriptions for Materials Listed Above			H. Handling C	odes for Wastes Listed A	bove
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TRANSPORTER	18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	Signature			<u> </u>	Date  Month Day Year
F A C	19. Discrepancy Indication Space					
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3. Generator's Name a	nd Mailing Address		Mechanic		Indi	. 0	K Rd
4. Generator's Phone (	5181664-6	36 Po 3331 Mech	14h MAIN SY ANICVILLE M US EPAID NUM NYROOOD US EPAID NUM	1 /2/18	Mech	miwille.	NY
5. Transporter 1 Compa	any Name	6.	US EPA ID Num	ber	A. State Trans	porter's ID 5A-	175
7. Transporter 2 Compa	INOWMENTAL. anv Name	Services Inc	NYKOOOO	X10+1	B. Transporter C. State Trans	<u> </u>	5-0349
	, · · · · ·	ĺ			D. Transporter		
9. Designated Facility N	Name and Site Address	oloine LA	US EPA ID Nun	ber	E. State Facilit	y's ID	
	1319 Loud		•		F. Facility's Ph	one 2 - 783 - 2	2827
11. WASTE DESCRIPT				12. . No	. Containers	13. Total Quantity	14. Unit Wt./Vol.
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20. Facility Owner or C	operator; Certification of rece	upt of the waste materials co	vered by this manifest, excep	ı as noted in item 19	s. <i>1</i>	Г	Date
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Please print or type (Form designed for use on elite (12 pitch) ty  NON-HAZARDOUS  WASTE MANIFEST  1. Gene	erator's US EPA ID No.	Manifest Document No. 25	2. Page 1 of 1
3. Generator's Name and Mailing Address City of Mechanicville 36 North Main Street Mechanicville, MY 12118 4. Generator's Phone (518 ) 064-8331		Industrial Par	
5. Transporter 1 Company Name M. C. Privironmental Services	6. US EPA ID Number NYR000021071		5A-175 18-615-0349
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID D. Transporter 2 Phone	
9. Designated Facility Name and Site Address Town of Colonie Landfill 1319 Loudon Poad	10. US EPA ID Number	E. State Facility's ID	
Cohoes, NY 12047	N/A	F. Facility's Phone 518-763-2827	
11. WASTE DESCRIPTION		12. Containers 13  No. Type Qua	3. 14. tal Unit ntity Wt./Vol.
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F 19. Discrepancy Indication Space A C			
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3. Generator's Name and Mailing Address	City of Me	echanicuille Main Street		1-1-1	ustrial Par	ak Rd
10.11	36 North	MAIN Street	·· .			•
4. Generator's Phone (5/18) 664-8  5. Transporter 1 Company Name	3331 Mechani	US EPA ID Number	<u> </u>	A. State Trans	ANICUILLE	125
5. Transporter 1 Company Name  M.C. ENVIONMENTALISE  7. Transporter 2 Company Name	rvices Inc. N	4200002107	1		r 1 Phone 5/8-6	15-034
7. Transporter 2 Company Name	′ 8. 	US EPA ID Number	+ ,	C. State Trans D. Transporte		•
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EP	A ID No.			-	Manifest Document No.	24		Page 1 of
	3. Generator's Name and Mailing Address City of Mechanicville 36 Nacth Main Street Machanicville, NY 121 4. Generator's Phone (518) 664-833				e e		INdusti	rial Park S	rive	
	Machanicville, NY 121 4. Generator's Phone (518) 554-833	18 1			· <del>-</del> -		Nechani	cville, M	-	
	5. Transporter 1 Company Name	α. <b>.</b>	6.	US EPA ID N			A. State Trans	porter a ro	175	701
	H C Engironmental Servi	ices, Inc.	<b>अप्र</b> (स	0600210	/ <b>1</b> .		B. Transporter	1 Phone	) <b>15-</b> U.	347
	7. Transporter 2 Company Name		8.	US EPA ID N	umber		C. State Trans	porter's ID	·	
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	9. Designated Facility Name and Site Address Town of Colonia Landf	111	10.	US EPA ID I	lumber	· ·	E. State Facili	y's ID		
	1319 Lowdon Road Cohoes, NY 12047		N/A	•			F. Facility's Pr	ione 33-2827		
7	11. WASTE DESCRIPTION					12. Co	ntainers	13.		14.
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4. Generator's Phone ( ) ( ) ( )		,	g! :,	James Call	11
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A charle blood 1 1 s	<u> 44/200</u> 0221017	1	B. Transporter		
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Please	print or type (Form designed for use on elite (12 pitch) typewriter)	<u> </u>				
	NON-HAZARDOUS  1. Generator's US EPA WASTE MANIFEST	A ID No.		Manifest Document No.	23	2. Page 1 of
	3. Generator's Name and Mailing Address City of Nachanicville 36 North Main Street Nachanicville, NY 12113		-	Indust	rial Park	Drive
	### NechabicVIII.e, MY 12118 4. Generator's Phone (518) 664-8331			Mechan	icville, N	Ž.
-	5. Transporter 1 Company Name	6. US EPA ID Number		A. State Trans		
	S C Environmental Services, Inc.	MYR000021071		B. Transporter		15-0349
	7. Transporter 2 Company Name	8. US EPA ID Number		C. State Trans D. Transporter		*
	9. Designated Facility Name and Site Address Town of Colonia Landfill	10. US EPA ID Number		E. State Facilit		
	1319 Loudon Road Cohoes, MY 12047	[ N/A		F. Facility's Ph 518-78	one 3 <b>-</b> 2827	
	11. WASTE DESCRIPTION		12. Co	ntainers	13. Total	14.
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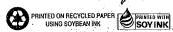
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4_	WASTE MANIFEST	$\mathcal{L}$	1/A lechanicuille Main Street		Document No.	14	of	Z
	Generator's Name and Mailing Address	City of M	1 echanic ville	<b>.</b>	/	strial P	ank.	11
		36 North	MAIN Street				445 1	<u>1d</u>
	4. Generator's Phone (5/8) 664-6 5. Transporter 1 Company Name  MC ENVIRONMENTA 7. Transporter 2 Company Name	RZZI Medan	1. illa NY 12	110	Mech	A. inil	10	
-	5. Transporter 1 Company Name	6.	US EPA ID Number	(। छ	A. State Transp		<u>- 125</u>	
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-	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Transp	-	<u> </u>	<u>,                                    </u>
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Į.	Cohoes NY.	12047	NA	· ·		100 - 2	<u>827</u>	
	11. WASTE DESCRIPTION '			1	ontainers	13. Total		14. Unit Wt./\
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NON-HAZARDOUS WASTE MANIFEST	F .	D No.		Manifest Document No.	21	2. Page 1
3. Generator's Name and Mailing Address City of Mechani Schorth Main S Mechanicville,	cville treet 12113			Indust	rial Park C	rive
4. Generator's Phone ( 518)	664-8331			Meichar	icville, NY	r 
5. Transporter 1 Company Name		6. US EPA ID Number		A. State Trans	20 18 19 7 3	
M C Environmental		NYR000021071		B. Transporter		5-0349
7. Transporter 2 Company Name	8 1	3. US EPA ID Number		C. State Trans		
9. Designated Facility Name and Site Add	iress	10. US EPA ID Number		D. Transporter  E. State Facilit		
9. Designated Facility Name and Site Add Town of Colonie fa 1319 Loudon <b>St</b> ad	andfill			F. Facility's Ph	- -	
Cohoes, NY 12047	I	% <b>/</b> %		-	·783 <b>–</b> 28 <b>27</b>	
11. WASTE DESCRIPTION			12. Co		13. Total	14. Unit Wt./Vol.
			No.	Туре	Quantity	Wt./Vol.
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G. Additional Descriptions for Materials L	isted Above			H. Handling C	odes for Wastes Listed A	Above
15. Special Handling Instructions and Ad	ditional Information		- <b>-</b>			
16. GENERATOR'S CERTIFICATION: I in proper condition for transport. The	hereby certify that the contents of this materials described on this manifest	s shipment are fully and accurately descri are not subject to federal hazardous wast	ibed and are in te regulations.	all respects	- A - A - A - A - A - A - A - A - A - A	
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	Receipt of Materials		-3		<u></u>	Date
T RAN 17. Transporter 1 Acknowledgement of F Printed/Typed Name  18. Transporter 2 Acknowledgement of F Printed/Typed Name  RAN 18. Transporter 2 Acknowledgement of F Printed/Typed Name	Shan	Signature	4			Month Day Yea
18. Transporter 2 Acknowledgement of F	Receipt of Materials	1	*			/ Date
Printed/Typed Name		Signature //				Month Day Yea
F A C						
20. Facility Owner or Operator; Certificat	ion of receipt of the waste materials o	covered by this manifest, except as noted	in item 19.			
i Printed/Typed Name	<del></del>	Signature				Date  Month Day Yea
T Printed/Typed Name Y & & C NACO 1		hmh com	edy_			Month Day Yea



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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA	A ID No. N/A	· · · · · · · · · · · · · · · · · · ·	Manifest Document No.	22	2. Page 1 of 1
	3. Generator's Name and Mailing Address City of Mechanicville 36 North Main Street Mechanicville, NY	2 21 <b>1</b> 8			· · · · · · · · · · · · · · · · · · ·	ial Park Drive	
	4. Generator's Phone (518) 664-83	331			Mechani	cville, NY 5	1705
	5. Transporter 1 Company Name		6. US EPA ID Number		A. State Trans		
	-M-C-Environmental Servi	ees, Inc.	NYR000021071	<del></del>	B. Transporter		0349
	7. Transporter 2 Company Name	and the same of th	8. US EPA ID Number		C. State Trans		
	9. Designated Facility Name and Site Address		10. US EPA ID Number		D. Transporter E. State Facilit	***************************************	
	Town of Colonie Land	111.	to. Ob El Mis Manison		L. State I aciin	,	
	1319 Loudon Road Cohoes, NY 12047		N/A	*	F. Facility's Ph	one ·783–2827	
	11. WASTE DESCRIPTION		. •	12. Co	ntainers	13. Total	14. Unit
				No.	Туре	Quantity	Wt./Vol.
	a			ľ	·		
	Petroleum Contaminate	xd Soil		1	DT	40.79	(7)
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	G. Additional Descriptions for Materials Listed Abo	ve			H. Handling C	odes for Wastes Listed Above	
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	15. Special Handling Instructions and Additional In	formation					
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	<ol> <li>GENERATOR'S CERTIFICATION: I hereby confirm to the in proper condition for transport. The materials</li> </ol>	ertify that the contents of to described on this manife	this shipment are fully and accurately describ st are not subject to federal hazardous waste	ed and are in regulations.	n all respects	\$	
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	17. Transporter 1 Acknowledgement of Receipt of	Materiale		, 0	· John John John John W.		Date
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l g	18. Transporter 2 Acknowledgement of Receipt of	Materials		A CO		<del></del>	Date
TRANSPORTER	Printed/Typed Name		Signature			Mont	h Day Year
	19. Discrepancy Indication Space			<u></u>	,		
F A C							
L	20. Facility Owner or Operator; Certification of rec	eipt of the waste material	s covered by this manifest, except as noted i	n item 19.			
ī	Distract Tuned Name		Signature				Date Voor
Y	Printed/Typed Name BUB KENNEDY		Signature 5mKenn	eds.		Mont C∤	th Day Year
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	NON-HAZARDOUS	ienerator's US EPA ID No			Manifest Document No	# 19	2. Page
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	CIT)	of Mecu	MARCUILLE	1	I - I - 1	ustrial BA	ak Rd
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	4. Generator's Phone ( 5/8 ) 664-833 5. Transporter 1 Company Name	1 Mech A	ricuille NY.	(2118	Mech	ANICUILL	ONY
<b>Ŭ</b>	5. Transporter 1 Company Name	6.	US EPA ID Number			sporter's ID 5A	-175
/	5. Transporter 1 Company Name  M. C. E. W. A. O. W. C. E.  7. Transporter 2 Company Name	S Inc. 1	1/R0000210	71	B. Transporte	r 1 Phone 518-	615-03
	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Tran	· · · · · · · · · · · · · · · · · · ·	• •
-	O Designated Facility Name and Cite Address	10	US EPA ID Number		D. Transporte	<del></del>	
	9. Designated Facility Name and Site Address 10W1 OF Color 1319 Loudon P	e Gandt	7/1		E. State Facil	ity's ID	•
	1319 Loudon A	d			F. Facility's P	hone	
	Cohoes, NY	12047	NA		518	- 783 -	2827
	11. WASTE DESCRIPTION		, ,	12. Co	ontainers	13. Total	
	·		: 	No.	Туре	Quantity	v
•	a.	<b>-</b>					- i
	Petroleum C	211	1160		1	1234 2	.' <del>'</del>
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	G. Additional Descriptions for Materials Listed Above		t.		H. Handling C	Codes for Wastes Liste	d Above
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	15. Special Handling Instructions and Additional Informati	on.					-
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	16. GENERATOR'S CERTIFICATION: I hereby certify the in proper condition for transport. The materials described to the condition for transport.	at the contents of this ship	ment are fully and accurately de	scribed and are in	all respects		
	in proper condition for transport. The materials describ	ed on this manifest are no	ot subject to federal hazardous w	aste regulations.			
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	Printed/Typed Name		Signature		<b>シ</b>		Month Day
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[  -	17. Transporter 1 Acknowledgement of Receipt of Materia	lls		<del>\</del>			Date
1	Printed/Typed Name		Signature	ال ا			Month Day
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	20. Facility Owner or Operator; Certification of receipt of t	ne waste materials covere	ed by this manifest, except as no	ed in item 19.			
ן ן	20. I acinty Owner of Operator, Certification of receipt of t						
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NON-HAZARDOUS WASTE MANIFEST	Generator's US EPA	ID No.		Manifest Document No.	er tog	2. Page 1
3. Generator's Name and Mailing Address		Thomas Herrita Mark Mark Logic Herri		147	x 1 1 3 1	2 628
4. Generator's Phone ( )				Ter.	. 4	y.
5. Transporter 1 Company Name		6. US EPA ID Number	· -	2 3 2 x 62		
5. Hansporter 1 Company Name		OS EFA ID NUMBER		A. State Transp	1796 1 199	د ي وه راد
7. Transporter 2 Company Name		<del> </del>		B. Transporter		4.KM4
7. Hanspotter 2 Company Name		8. US EPA ID Number		C. State Transp		
Designated Facility Name and Site Address		10		D. Transporter		
s. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Facility	y's ID 	
HORI ELMANI W. 1986				F. Facility's Ph	one (518) 747-5	<b>30</b> 0
11. WASTE DESCRIPTION			12. Co	ntainers	13. Total	14. Unit
			No.	Туре	Quantity	Wt./Vol.
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G. Additional Descriptions for Materials Listed Abov					ides for Wastes Listed Abo	ve
15. Special Handling Instructions and Additional Info		s shipment are fully and accurately described are not subject to federal hazardous waste re	and are in gulations.	all respects		Date
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17. Transporter 1 Acknowledgement of Receipt of N	/aterials					Date
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18. Transporter 2 Acknowledgement of Receipt of N	Materials	1 1 1 No 12 1 1 L. J. 1	<del>// -</del>			Dete :
17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name		Signature			Moi	Date  nth Day Year
19. Discrepancy Indication Space		<u> </u>				
20. Facility Owner or Operator; Certification of recei	pt of the waste materials co	overed by this manifest, except as noted in ite	em 19.			
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	3. Generator's Name and Mailing Address		A Hermone He	vý						
	4. Generator's Phone ( )				1 1177		f. ·			
	5. Transporter 1 Company Name		6. US EPA ID Number		A. State Tran	sporter's ID	·			
	WO SAVISOMWENTA SERVI	SES MC	**** <b>***</b> *****************************			r 1 Phone	Participation			
	7. Transporter 2 Company Name		8. US EPA ID Number	-			(M) March.			
	, , , , , , , , , , , , , , , , , , ,		I GO EL A ID ROLLIDE		C. State Tran	·				
	O Decimaled 5 - Why Many and Ott A LL				D. Transporte	er 2 Phone	<u> </u>			
	9. Designated Facility Name and Site Address	g. 3	10. US EPA ID Number		E. State Facility's ID					
	FORT EDWARD NY 12828		1		F. Facility's P	hone (518) 747	nc:			
	11. WASTE DESCRIPTION	,		12. Co	ntainers	13.	14.			
				No.	Туре	Total Quantity	Unit Wt./Vol.			
	a. PETROLEUM CONT <b>AMINA</b>	E SM		XX	State of the state	32)	a degree			
G E	b.									
=  -  -  -  -	c.	- ( <sub>(m</sub> )								
2  -	d.			-						
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	G. Additional Descriptions for Materials Listed Above				H. Handling C	odes for Wastes Listed Above	3			
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	15. Special Handling Instructions and Additional Infor	rmation								
	16. GENERATOR'S CERTIFICATION: I hereby certific in proper condition for transport. The materials defined by the condition of	ify that the contents of thi escribed on this manifest	s shipment are fully and accurately described are not subject to federal hazardous waste re	and are in gulations.	all respects					
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3  _	JIM DUM						1115			
}  _	18. Transporter 2 Acknowledgement of Receipt of Ma	aterials					Date			
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<u> </u>	20. Facility Owner or Operator, Certification of receipt	t of the waste materials c	overed by this manifest, except as noted in ite	em 19.		-				
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7	Printed/Typed Name		Signature	J.		Monti	Day Yea			
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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID I			Manifest Document No	-2/	2. Page 1 of
3	3. Generator's Name and Mailing Address	CHY SEM	octories Me	u ¢,	1.21.4	MARKET COST	<u> </u>
4	I. Generator's Phone ( )		· · · · · · · · · · · · · · · · · · ·	er i de la secono	The project	and willing .	j. Çe
	Generator's Phone ( ) Transporter 1 Company Name				A. State Trans	ر کے اور sporter's ID	
1/	7. Transporter 2 Company Name	a . ,	6 Farma Courte	11		r 1 Phone 578	
7	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Trans		
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9	D. Designated Facility Name and Site Address	10.	US EPA ID Number		E. State Facili	ty's ID	
	9. Designated Facility Name and Site Address	× i			F. Facility's Pl		
<b>-</b>	San Not Collins	1647	A (H			1000 24	
	11. WASTE DESCRIPTION			12. No.	Containers Type	13. Total Quantity	14. Unit Wt./V
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	G. Additional Descriptions for Materials Listed Abov		· · · · · · · · · · · · · · · · · · ·	1	H. Handling C	Lodes for Wastes Listed Abo	ve
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1	16. GENERATOR'S CERTIFICATION: I hereby ce in proper condition for transport. The materials	rtify that the contents of this sh	nipment are fully and accurately de	escribed and ar	e in all respects		
	in proper condition for transport. The materials	rescribed off this marinest are	not subject to rederal nazardous	vaste regulation	15.	<u> </u>	
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[ ]	18. Transporter 2 Acknowledgement of Receipt of I	√laterials					Date
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	20. Facility Owner or Operator; Certification of rece	ipt of the waste materials cove	ered by this manifest, except as no	oted in item 19.			
i  _							Date
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	WASTE MANIFEST	<u> </u>	<u> </u>				of
	3. Generator's Name and Mailing Address		Atomic Commencer Commencer			*	
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	5. Transporter 1 Company Name		6. US EPA ID Number	4/3	<del> </del>		· /
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	WER ATHERMACINE		WY-WWW.		B. Transporte	r 1 Phone	(Y)AN
	7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans	sporter's ID	
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	FURTH FOWARIE, NY 12828	i	1		F. Facility's Pi		
			·			(518) 747-5	<b>XX</b>
	11. WASTE DESCRIPTION			12. Co	ntainers	13. Total	14.
				·No.	Туре	Quantity	Unit Wt./Vol.
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	16. GENERATOR'S CERTIFICATION: I hereby cert in proper condition for transport. The materials de	tify that the contents of this	s shipment are fully and accurately described	and are in	all respects		
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NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.			Manifest Document No.	management of the second of th	2. Page 1 of
3. Generator's Name and Mailing Address	6.174 - 1. C.174 - 1.	The state of the state of		To de	And Gast	Kd.
4. Generator's Phone ( )						
4. Generator's Phone ( ) 5. Transporter 1 Company Name	6. U	IS EPA ID Number		A. State Trans	porter's ID 🛫 🦂 😁	<del> </del>
7. Transporter 2 Company Name	Surger 1 11 34 40	774 2115 71			1 Phone	
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	ı			D. Transporter	·	
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10 19 mond	olove CHARINI			F. Facility's Ph	one .	
Čeleses.	1.7 101 47	34 /A		J. 1843 .	481-66.	
11. WASTE DESCRIPTION			12. Co	ntainers	- 13	14. Unit
			No.	Туре	Total Quantity	Wt./Vol.
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G. Additional Descriptions for Materials Listed A	bove			H. Handling C	odes for Wastes Listed Abov	
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15. Special Handling Instructions and Additional	Information					
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16 CENERATOR'S CERTIFICATION: I borok	y partify that the contents of this phipment are	iully and pagyrately described	and are in	all respects		
16. GENERATOR'S CERTIFICATION: I hereby in proper condition for transport. The material	als described on this manifest are not subject t	to federal hazardous waste re	gulations.	all respects		
The same of the					<u> </u>	Date
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	of Materials	- Comment	· · · · · · · · · · · · · · · · · · ·			Date
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17. Transporter 1 Acknowledgement of Receipt Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name		1/	Januarian .			11/110
18. Transporter 2 Acknowledgement of Receipt	of Materials	1700				Date
Printed/Typed Name	Sign	nature			, Mo	
[ ]						
19. Discrepancy Indication Space						•
						<u> </u>
20. Facility Owner or Operator; Certification of r	eceipt of the waste materials covered by this r	nanifest, except as noted in ite	em 19.			
ī <u> </u>	· · · · · · · · · · · · · · · · · · ·			<u> </u>		Date
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	7. Transporter 2 Company Name	TE MANIFEST  Name and Mailing Address  Phone ( )  Company Name  B. USEPA D Number  B. Transporter's 10 Sept. 7.5  Company Name  B. USEPA ID Number  C. Galler Transporter's 10 Sept. 7.5  D. Transporter's 10 Sept. 7.5			2. 1 W 200 E.		
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NON-HAZARDOUS WASTE MANIFEST		,		Manifest Document No		2. Page 1
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9. Designated Facility Name and Site Address		10 IIS EDA ID Number				
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11. WASTE DESCRIPTION			T 40 C	mania ana	(618) 747-56	
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7. Transporter 2 Company Name		8.	US EPA ID Number		C. State Trans	sporter's ID	
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11. WASTE DESCRIPTION				1 10 0	ntainers	(618) 747-34	
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7. Transporter 2 Company Name	441474 . Juni 1944	17K000021	<u>011</u>	<del></del>		1 Phone 5/3 - 3/	<u>: - 0.56</u>
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		NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID N	Mechanicuille h Main Street		Manifest Document No	#12	2.	Page 1 of Z		
		3. Generator's Name and Mailing Address	City OF A	1echnicuille				) !	$\overline{Q}_{I}$		
			36 North	h Main Street	-			2827  14. Unit Wt./Vol.			
		4. Generator's Phone ( 5/8) 16/6 4-9	3231 Merly	1010.11/0 110/12	118	Mechanicuille WY  A. State Transporter's ID 54-175  B. Transporter's ID 6. State Transporter's ID  C. State Transporter's ID					
		5. Transporter 1 Company Name	A. State Transporter's ID 54-175								
		MC ENVIRONMENTALS	prvices Inc.	NYR 00002107	2/	B. Transporte	r 1 Phone 5/3-6	615-	0349		
		7. Transporter 2 Company Name		US EPA ID Number		O. Olalo Hall	sporter 3 ID		· · · · · · · · · · · · · · · · · · ·		
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		11. WASTE DESCRIPTION			No.	Type	Total Quantity	-	Unit		
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	3. Generator's Name and Mailing Address  City of Mechanic ville, 7  36 North Main Street					T. L. St. I Deal D.				
		Industrial PARK Drive								
	4. Generator's Phone (5/8) 664 - 8  5. Transporter 1 Company Name	Meclipicville, No								
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	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Trans	porter's ID	·			
					D. Transporter	2 Phone				
	9. Designated Facility Name and Site Address	100 (0.169)	US EPA ID Number		E. State Facili	y's ID				
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	G. Additional Descriptions for Materials Listed Above	9	a salah salah salah salah salah salah salah salah salah salah salah salah salah salah salah salah salah salah s		H. Handling C	odes for Wastes Listed At	oove			
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	15. Special Handling Instructions and Additional Info	ormation								
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	16. GENERATOR'S CERTIFICATION: I hereby cer	tify that the contents of this shipme	ent are fully and accurately described	and are in	all respects					
	16. GENERATOR'S CERTIFICATION: I hereby cer in proper condition for transport. The materials of	lescribed on this manifest are not	subject to federal hazardous waste re	gulations.						
	As agent of						Date			
	Printed/Typed Name	-	Signature				fonth Day Ye			
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ᇤ	17. Transporter 1 Acknowledgement of Receipt of M	laterials	11.		(1 - 7)		Date			
Ä	Printed/Typed Name	1./-	Signature	/ 5	4 7	1				
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일	18. Transporter 2 Acknowledgement of Receipt of M	laterials	//				Date			
TRANSPORTER	Printed/Typed Name		Signature				fonth Day Ye			
	19. Discrepancy Indication Space		<u> </u>							
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AC	<u> </u>	<u> </u>				<u>.                                    </u>				
	20. Facility Owner or Operator; Certification of recei	pt of the waste materials covered	by this manifest, except as noted in it	em 19.						
$ \mathbf{I} $	Printed/Typed Name		Signature				Date			
$  {}^{T}_{Y}  $	20. Facility Owner or Operator; Certification of recei	4	KMKenn	of	•	Λ	Nonth Day Ye			
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## NON-HAZARDOUS WASTE MANIFEST ase print or type (Form designed for use on elite (12 pitch) typewriter)

Pleas	e print or type (Form designed for use on elite  NON-HAZARDOUS  WASTE MANIFEST	1. Generator's US EPA ID No.			Manifest Document No.	#2	2. Page 1
	Generator's Name and Mailing Address	Tity of Mecha 36 North MA	anicuille in Street		Indu	STIAL PAU	K Drive
	4. Generator's Phone (518) 664-6	3531 Mecha	ricuille, NY1	2118	Mech	Anicville	NY
	5. Transporter 1 Company Name  M. C. E. W. ROWN E. T.  7. Transporter 2 Company Name	1 Somices The	US EPA ID Number <i>V V 200</i> 00310	7-1	A. State Trans  B. Transporter	porter's ID 5 4 - 6	175 15-0349
	7. Transporter 2 Company Name	8.	US EPA ID Number	· · ·	C. State Trans		7,5
	Designated Facility Name and Site Address	( ( 0.10,	US EPA ID Number		D. Transporte E. State Facili	<del></del>	·.
	Your OF Color	ie bAidfill			:	.,	
	9. Designated Facility Name and Site Address  10 W OF COLOI- 1319 Loudon Re Coloes, NY 11. WASTE DESCRIPTION	12047	NIA	-	F. Facility's Pl	- 783 - 2	827
	11. WASTE DESCRIPTION		//	12. Co	ntainers	13. Total	14. Unit
	a.	· · · · · · · · · · · · · · · · · · ·		No.	Type	Quantity	Wt./Vol.
	Petroleum	Contaminati	ed Soil	l	DT	23.	7
GEN	<b>b.</b>						
IE I	С.						
A T O							
l R l	d.						
2			•		* .		
	G. Additional Descriptions for Materials Listed Abo	ve			H. Handling C	odes for Wastes Listed A	bove
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Į Į	15. Special Handling Instructions and Additional Ir	formation			•		
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	16. GENERATOR'S CERTIFICATION: I hereby o	ertify that the contents of this shipme	nt are fully and accurately described	and are in	all respects		
	in proper condition for transport. The materials	described on this manifest are not s	ubject to federal hazardous waste re	gulations.	£	- -	
	Printed/Typed,Name		Signature/				Date Month Day Yea
	* (ALLYN DIA	A		1		**************************************	7 80
T R A	17. Transporter 1 Acknowledgement of Receipt of Printed/Typed Name	Materials	Signature	1			Date Nonth Day Ye
RANSPO	XMICHAELG.	CAFT -	Men!	10.	( ~	$\times$	71819
R	18. Transporter 2 Acknowledgement of Receipt of Printed/Typed Name	Materials	Signature				Date Month Day Ye
R	40 Diagramana hadication Occasi						
F A C	19. Discrepancy Indication Space						
L	20. Facility Owner or Operator, Certification of rec	eipt of the waste materials covered b	y this manifest, except as noted in it	em 19.			
I	Printed/Typed Name	1 01/1	Signature 2	}			Date Month Day Ye
Y	Printed/Typed Name  M. Deluniak Coone	e handfil!	11 mg	10	Mus	ho c	71810

F-14 © 2002 LABEL (800) 621-5808 www.labelmaster.com



## **NON-HAZARDOUS WASTE**

### **NON-HAZARDOUS WASTE MANIFEST**

	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.		:	Manifest Document No.	# 1	2. Page 1
	3. Generator's Name and Mailing Address	City of Me	chanicuille Min Street			ct 1 m	VA
		36 North	Min Street	•		STIAL TAR	
4	4. Generator's Phone ( 518 ) 664 - 25. Transporter 1 Company Name	3331 Mech	ANILVILLE, NY	'ાયાક	Mecl	micville	NY
	5. Transporter 1 Company Name M.C. ENVILONMENTAL	Carrier City	US EPA ID Number	•		porter's ID 54 - / 7 1 Phone 5/8 - 6/-	
	7. Transporter 2 Company Name	3 (2) (1) (1) 10	US EPA ID Number		C. State Trans		0-0549
					D. Transporter	· · · · · · · · · · · · · · · · · · ·	
	9. Designated Facility Name and Site Address  TOWN OF COLOME	Lynd fill	US EPA ID Number		E. State Facilit	y's ID	
	1319 LOUGON Me.				F. Facility's Ph		
	Lohoes, NY 10	2047	N/4	12 Co	3/8	-783-2	827
	II. WASTE DESCRIPTION			No.	Туре	Total Quantity	Unit Wt./Vol.
	Petroleun Cont	Faminated S	01/	1	07.	17.	4 —
E N E	b.						
A T O							
R	d			-			
	G. Additional De <u>scri</u> ptions for Materials Listed Above	to the second se	The second second second second second second second second second second second second second second second se	है. <b>ब</b> िस्बर्ग	H. Handling C	odes for Wastes Listed Abo	ove
	15. Special Handling Instructions and Additional Info	rmation					
	•						
	16. GENERATOR'S CERTIFICATION: I hereby cert in proper condition for transport. The materials de	ify that the contents of this shipmen	t are fully and accurately described	and are in	all respects		
	In proper condition for transport. The materials of	escribed on this manifest are not su	bject to rederal nazardous waste re	guiations.		_	
	Printed/Typed Name		Signature			Mo	Date Onth Day Year
	* CALLIN DINA	7	hn 4	V	The same of the sa	· · · · · · · · · · · · · · · · · · ·	
<u> </u>	17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name/	aterials	Signature	<del>(/-</del>	$\overline{\gamma}$		Date
Ñ   S  <sub>7</sub>	X-Michael G. CA	HT /	My /	7.			7 8 0
R _	18. Transporter 2 Acknowledgement of Receipt of M	aterials	Claratura			· · · · · · · · · · · · · · · · · · ·	Date
RANSPORTER	Printed/Typed Name		Signature			M	onth Day Year
F	19. Discrepancy Indication Space						· ·
C L	20. Facility Owner or Operator; Certification of receip COLONIE LANDFILL Printed/Typed Name BOB KENNEDY	ot of the waste materials covered by	this manifest, except as noted in ite	em 19.			
-	Printed/Typed Name	· .	Signature /				Date onth Day Year
Ÿ	BOB KENNEDY		gm Kenne	dy			onth Bay Year



# NON-HAZARDOUS WASTE

### NON-HAZARDOUS WASTE MANIFEST

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	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	1		Manifest Document No.	# //	2. Page 1
	3. Generator's Name and Mailing Address	City of Man	hanovilla			0	0
		City of Meci 36 North	MAIN Street		Indu	STRAI PARK	Kd
	4. Generator's Phone ( 518) (664 - 9) 5. Transporter 1 Company Name	331 Mechan	wille NY 1211	8	Mech	ANIC VIlle A	<i>γ</i> υ
	5. Transporter 1 Company Name	6.	US EPA ID Number		A. State Trans		75
	5. Transporter 1 Company Name  MC EnvironmentalS  7. Transporter 2 Company Name	rvices Inc. N	14R 00002107	/		1 Phone 5/8-6/	5-0349
	7. Transporter 2 Company Name	8.	US EPA ID Number		C. State Trans	•	
					D. Transporter	2 Phone	
	9. Designated Facility Name and Site Address  10W1 OF Colo  1319 Loude	ine Land Fill	US EPA ID Number		E. State Facilit	y's ID	
	1319 Louda	n Rd			F. Facility's Ph	one	
	Cohoes, NY	12047	NIA	,		- 783-28	327
	11. WASTE DESCRIPTION			12. Co	ntainers	13	14. Unit
				No.	Туре	Total Quantity	Wt./Vol.
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H  A	<b>c.</b>				·		
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R	d.						
	G. Additional Descriptions for Materials Listed Above	re	· · · · · · · · · · · · · · · · · · ·	Ļ	H. Handling Co	odes for Wastes Listed Above	-
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	15. Special Handling Instructions and Additional Inf	ormation					
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	16. GENERATOR'S CERTIFICATION: I hereby ce in proper condition for transport. The materials	rtify that the contents of this shipm	nent are fully and accurately described	and are in	all respects		<u> </u>
	in proper condition for transport. The materials	described on this manifest are not	subject to federal hazardous waste re	egulations.			
							Date
	Printed/Typed Name	7	Signature	-		Mon	
	* Agent 101 Lyman	LINC	Trans				18/08
T R	17. Transporter 1 Acknowledgement of Receipt of I	Materials					Date
A	Printed/Typed Name		Signature	1		Mon	th Day Year
SP	7 10M REED  18. Transporter 2 Acknowledgement of Receipt of I	Matariale	1 1000 1) L	IO		7	1 00
R	Printed/Typed Name		Signature			Mon	Date th Day Year
TEAZOPOETER	· · · · · · · · · · · · · · · · · · ·		5.8.44.5			Mon	th Day Year
П	19. Discrepancy Indication Space	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·
F A C							
	20. Facility Owner or Operator; Certification of rece	ipt of the waste materials covered	by this manifest, except as noted in it	em 19.			<del></del>
<u>     </u>	•						Date
<del>†</del>	Printed/Typed Name		Signature		-	Mon	th Day Year
Υ							



## NON-HAZARDOUS WASTE

### NON-HAZARDOUS WASTE MANIFEST

	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA	ID No.		Manifest Document No	294	2. Page 1 of
	3. Generator's Name and Mailing Address City of Machanicvil 36 North Main Street Nechanicville, NY	10			Indust	rial Park Oriv	70
	4. Generator's Phone ( 516 664-83	31			Mochan	micville, NY	
	5. Transporter 1 Company Name		6. US EPA ID Number		A. State Trans	sporter's ID	
	TO THE PROPERTY OF THE SERVICE		AAN MINISTER		B. Transporte	r 1 Phone 💍 🥱 👯	SAN .
	7. Transporter 2 Company Name		8. US EPA ID Number		C. State Trans	sporter's ID	
					D. Transporte	r 2 Phone	
	9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Facili	ty's ID	
	FURT EXMAPTE NY 72838				F. Facility's Pl	none	
	11. WASTE DESCRIPTION		<del></del> -	12. Cc	ntainers	13.	
				No.	Туре	Total Quantity	14. Unit Wt./Vol.
	a.  PETROLEUW CONTAMINA	E0 800		XX	)T	3927	188
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R	C.						
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OR	d.						· ·
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	G. Additional Descriptions for Materials Listed Above	9	<del></del>		H. Handling C	odes for Wastes Listed Above	
	Special Handling Instructions and Additional Info      GENERATOR'S CERTIFICATION: I hereby cert in proper condition for transport. The materials described in the second sec		shipment are fully and accurately describe are not subject to federal hazardous waste r	d and are in egulations.	all respects		Date
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F	17. Transporter 1 Acknowledgement of Receipt of M	atoriale	and the second s	6			
Ŕ	Printed/Typed Name	aiciidis	Signature			-	Date
Ñ			Oignature	. ,		Month (**)	Day Year
PO	18. Transporter 2 Acknowledgement of Receipt of M	aterials	A American	1.7.1			Date
TRANSPORTER	Printed/Typed Name		Signature			Month	
F A C	19. Discrepancy Indication Space						
l l	20. Facility Owner or Operator, Certification of receip	ot of the waste materials co	overed by this manifest, except as noted in i	tem 19.			
I			· · · · · · · · · · · · · · · · · · ·				Date
Y	Printed/Typed Name		Signature		<i>i.</i>	Month	Day Year
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SITE TICKET GRID WEIGHMASTER Town of Colonie Envir. Service 02 331676 L5P2 B.Kennedy010326 1319 Loudon Road Cohoes, New York 12047 DATE IN DATE OUT TIME IN TIME OUT VEHICLE ROLL OFF 09/17/08 09/17/08 09:22 09:22 812 000812 MC Environmental Services 526 Queensbury Ave. (Internal of the second of the Queensbury NY 12804 CMEC CITY OF MECHANICVILL Scale 1 Gross Wt. 80320 LB Inbound - Charge ticket Manual Tare Wt. 28900 LB Net Weight 51420 LB UNIT GTY. DESCRIPTION RATE EXTENSION FEE 25.71 TOTAL Petro Cont. Soil TON Operating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load NET AMOUN contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp) TENDERED CHANGE CHECK NO. SIGNATURE. SITE TICKET GRID WEIGHMASTER Town of Colonie Envir. Service 02 331708 L5P2 B.Kennedy010326 1319 Loudon Road Cohoes, New York 12047 DATE IN DATE OUT TIME IN TIME OUT VEHICLE ROLL OFF 09/17/08 09/17/08 10:40 10:40 812 000812 MC Environmental Services 526 Queensbury Ave. Queensbury NY 12804 CMEC CITY OF MECHANICVILL Scale 1 Gross Wt. 78240 LB Inbound - Charge ticket Manual Tare Wt. 28900 LB Net Weight 49340 LB QTY. UNIT -DESCRIPTION RATE EXTENSION FEE TOTAL 24.67 TON Petro Cont. Soil Operating hours 7AM to 3PM Monday thru Friday SE NETEZAMOTEN and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of TENDERED any type. All loads must be properly contained (tied & Tarp) CHANGE CHECK NO

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Town of Colonie Envir. Service  1319 Loudon Road Cohoes, New York 12047  000812 MC Environmental Services 526 Queensbury Ave. Queensbury NY 12804  Scale 1 Gross Wt. Manual Tare Wt. Net Weight Metables  April 12804  April 12804  April 12804  MECH'VILLE  SPIE  WEIGHMAST  SITE  TICKET  SPIE  WEIGHMAST  129  DATE IN DATE OUT TIME IN TIME OUT VEHICLE  09/11/08  09/11/08  09/11/08  MECH'VILLE  CMEC CITY OF MECHANICVIL  Scale 1 Gross Wt. Net Weight  April 12804  MECH'VILLE  CMEC CITY OF MECHANICVIL  Season LB  Inbound - Gharge ticket	6 FICLL OF		
Cohoes, New York 12047  000812 MC Environmental Services 526 Queensbury Ave. Queensbury NY 12804  Scale 1 Gross Wt. 75800 LB Scale 2 Tare Wt. 28880 LB Net Weight 46920 LB  TON Petro Cont. Soil  Coperating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)  Town of Colonie Envir. Service 1319 Loudon Road Cohoes, New York 12047  DOME IN TOWN YORK 12047  Coperating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)  Town of Colonie Envir. Service 1319 Loudon Road Cohoes, New York 12047  DOME IN TOWN OF COLONIE Envir. Service 1319 Loudon Road Cohoes, New York 12047  Coperating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp)  Town of Colonie Envir. Service 139 Loudon Road Cohoes, New York 12047  Coperating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials and the certific that the services of the certific that the services of the certific that the certific th	<del> </del>		
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SITE TICKET WEIGHMASTER Town of Colonie Envir. Service 02 L5P2 330760 B.Kennedy010326 1319 Loudon Road Cohoes, New York 12047 DATE IN DATE OUT TIME IN TIME OUT VEHICLE ROLL OFF 09/11/08 09/11/08 10:25 10:25 812 000812 MC Environmental Services 526 Queensbury Ave. Queensbury NY 12804 **MCVILE** CMEC CITY OF MECHANICVILL Scale 1 Gross Wt. 72560 LB Inbound - Charge ticket Manual Tare Wt. 28880 LB Net Weight 43680 LB QTY. UNIT DESCRIPTION EXTENSION 21.84 TON Petro Cont. Soil Operating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load contains no hazardous materials, medical waste or liquids of TENDERED any type. All loads must be properly contained (tied & Tarp) CHANGE CHECK NO. SIGNATURE TICKET SITE GRID WEIGHMASTER Town of Colonie Envir. Service 02 330786 L5P2 B.Kennedy010326 1319 Loudon Road Cohoes, New York 12047 DATE IN DATE OUT TIME 'N TIME OUT VEHICLE RC11 OFF 09/11/08 09/11/08 11:29 11:29 812 000812 MC Environmental Services 526 Queensbury Ave. Queensbury NY 12804 MECH'VILLE CMEC CITY OF MECHANICVILL Scale 1 Gross Wt. 67160 LB Inbound - Charge ticket Manual Tare Wt. 28880 LB Net Weight 38280 LB QTY. UNIT: MOITSPOSED BATE EXTENSION TOTAL 19.14 TON Petro Cont. Soil 24.00 Operating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM. This is to certify that this load Carling Linioting contains no hazardous materials, medical waste or liquids of any type. All loads must be properly contained (tied & Tarp) TENDERED CHANGE CHECK NO

00812 MC Environmental Services 528 Quoensbury Ave. Queensbury NY 12804  Scale 1 Gross WI. 74920 LB Menual Tare WI. 28880 LB Net Weight 4804 LB  Operating hours 7AM to 3PM Monday thru Friday and Saturday 7AM thru 2PM monday thru Friday Town of Colonia Envir. Service 1319 Locushen Road Contrains no heardroomental Services S28 Queensbury Ave. Queensbury Ave. Sale 1 Gross WI. 77340 LB Stored Tare WI. 28880 LB Net Weight 48040 LB  SCANTUPE  Town of Colonia Envir. Service 1319 Locushen Road S28 Queensbury Ave. Queensbury Ave. Road 1 Gross WI. 77340 LB Stored Tare WI. 28880 LB Net Weight 48040 LB  ONT (NB 08/11/08 13:35 13:36 812  DATE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12047  DOBITE OF TOWN 12044  Scale 1 Gross WI. 77340 LB Stored Tare WI. 28800 LB Net Weight 48400 LB  DOWN 1208 08/11/08 13:35 13:36 812  DOWN 1208 08/11/08 13:35 13:36 8						SITE	TIC	CET	35	iiD		WEIGH	MASTER :
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Town of Colonie Envir. Service 319 Loudon Road Cohoes, New York 12047  00812 MC Environmental Services 526 Queensbury Ave. Queensbury NY 12804  Scale 1 Gross Wt. 77340 LB Stored Tare Wt. 26880 LB Net Weight 48460 LB  GTY. UNIT DESCRIPTION RATE ENTENSION FEE TITA.  Description of Colonie Envir. Service 330837 L5P2 B.Kennedy010326  DATE IN DATE OUT TIME IN TIME OUT VEHICLE PEL OF 109/11/08 09/11/08 13:35 13:36 812  MECH CMEC CITY OF MECHANICVILL  Inbound - Charge ticket  MECH CMEC CITY OF MECHANICVILL  ATERIOR OF MECHANICVILL  For a strength of the colonies of the colon												F	TENDERED
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Town of Colonie Envir. Service 319 Loudon Road Cohoes, New York 12047  00812 MC Environmental Services 526 Queensbury Ave. Queensbury NY 12804  Scale 1 Gross Wt. 77340 LB Stored Tare Wt. 28880 LB Net Weight 48460 LB  GTY. Unit DESCRIPTION PATE EXTENSION FEE TYA.  GRID MECH CMEC CITY OF MECHANICVILL  Inbound - Charge ticket  Inbound - Charge ticket  STA.  TON Petro Cont. Soil  STEE TICKET GRID MECHANICVIL TIME IN TIME CUT VEHICLE POLICY OF MECHANICVILL  CMEC CITY OF MECHANICVILL  Inbound - Charge ticket  STA.  TON Petro Cont. Soil  STEE TICKET GRID MECHANICVIL PRICE PRIC								4	h ()	10/			
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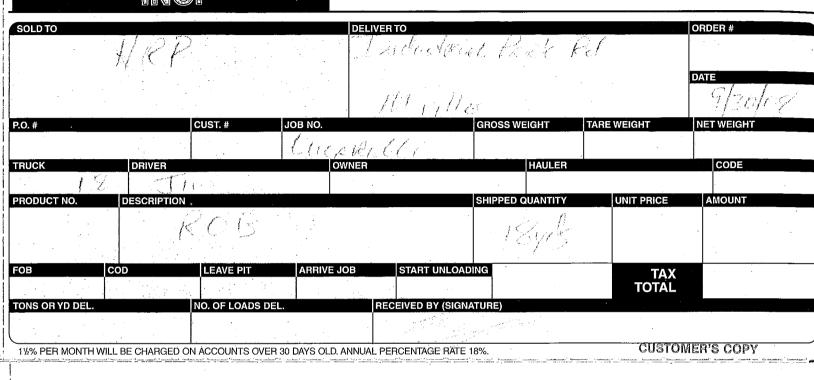
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TROY SAN And GRAVEL INC.	P.O. Box 171 Phone Watervliet, N.Y. 12189 674-2854  Washed & Processed NYS DOT Approved Materials ASTM C33 Material Conformance  www.troysandandgravel.com	NO. 473849
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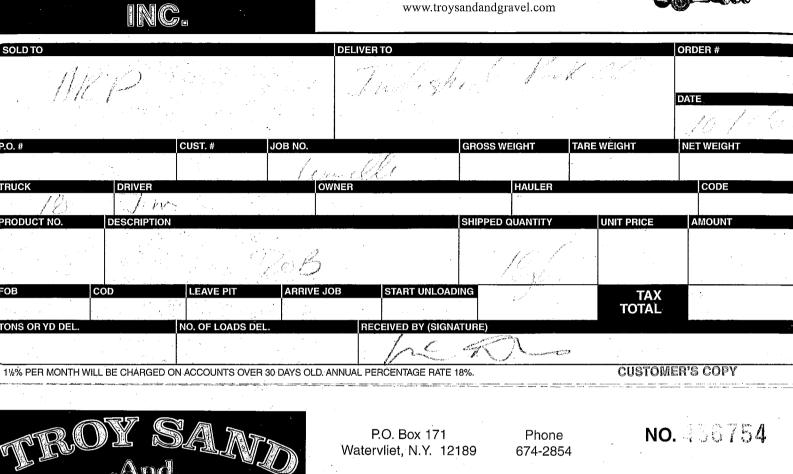


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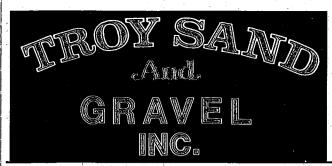


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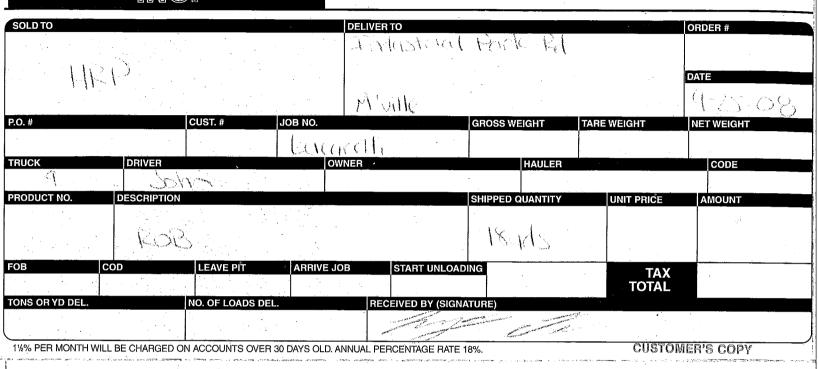
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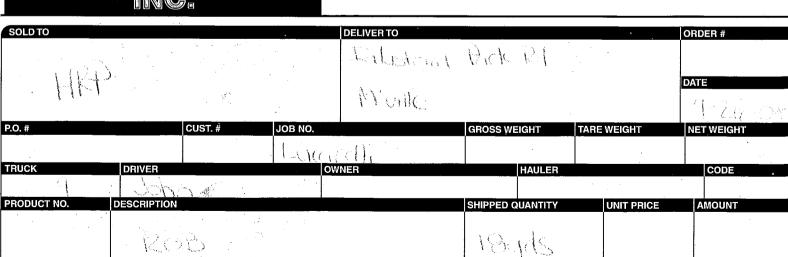
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P.O. Box 171 Watervliet, N.Y. 12189 Phone 674-2854 NO. 442576

Washed & Processed NYS DOT Approved Materials ASTM C33 Material Conformance



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TROY SAND And. GRAVEL INC.

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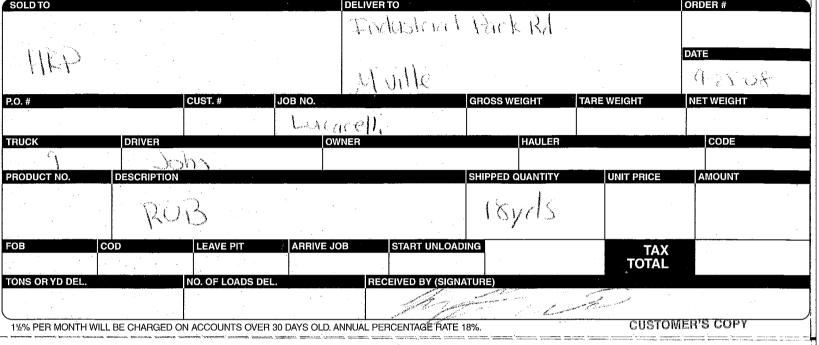
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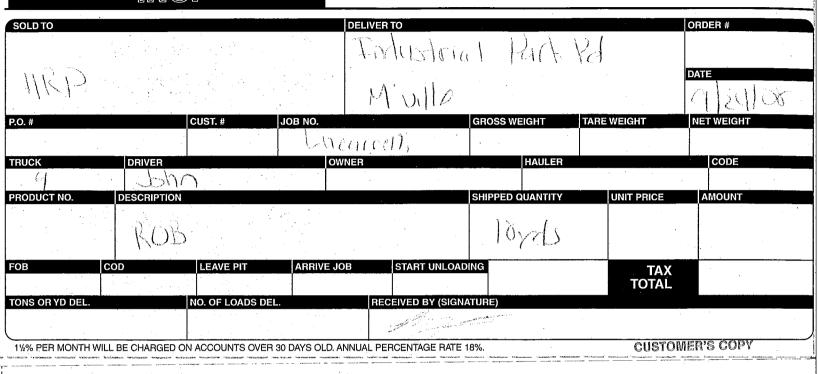
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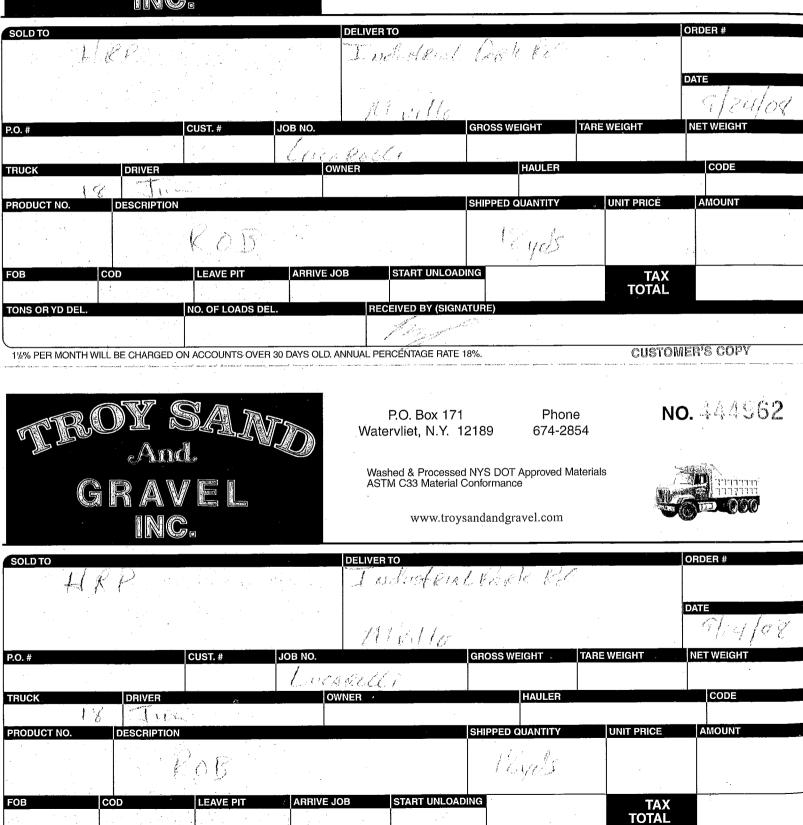


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P.O. Box 171 Watervliet, N.Y. 12189 Phone 674-2854

NO. 444967

TO PROTECTION OF THE PROPERTY

Washed & Processed NYS DOT Approved Materials ASTM C33 Material Conformance

www.troysandandgravel.com

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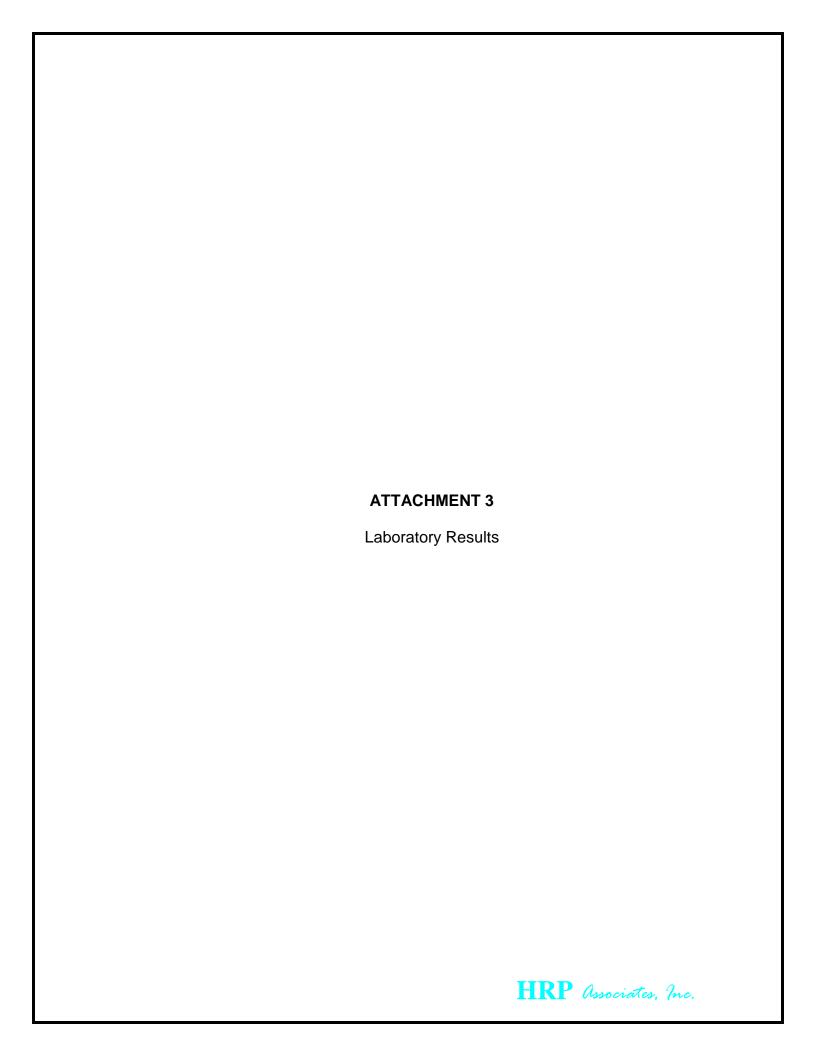
P.O. Box 171 Watervliet, N.Y. 12189 Phone 674-2854 NO. 444988

Washed & Processed NYS DOT Approved Materials ASTM C33 Material Conformance

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# ANALYTICAL RESULTS SUMMARY

**PROJECT NAME: MECHANICVILLE ERP SITE** 

HRP ASSOCIATES, INC. 100 Saratoga Village Blvd. Suite 27 Malta, NY - 12020

Phone No: 5188993011

CHEMTECH PROJECT Z4621
ATTENTION: Cailyn E. Dinan

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-I

#### SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample I D/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SW-11	Z4621-01	8260	8270				Chemtech - SOP
SW-12	Z4621-02	8260	8270				Chemtech - SOP
SW-13	Z4621-03	8260	8270				Chemtech - SOP
SW-14	Z4621-04	8260	8270				Chemtech - SOP
SW-17	Z4621-05	8260	8270				Chemtech - SOP
SW-18	Z4621-06	8260	8270				Chemtech - SOP
N/A	Z4621-07						Chemtech - SOP
DUPLICATE	Z4621-08	8260	8270				Chemtech - SOP
SW-01	Z4621-09	8260	8270				Chemtech - SOP
SW-02	Z4621-10	8260	8270				Chemtech - SOP
SW-03	Z4621-11	8260	8270				Chemtech - SOP
SW-04	Z4621-12	8260	8270				Chemtech - SOP
SW-05	Z4621-13	8260	8270				Chemtech - SOP
SW-06	Z4621-14	8260	8270				Chemtech - SOP
SW-07	Z4621-15	8260	8270				Chemtech - SOP
SW-08	Z4621-16	8260	8270				Chemtech - SOP
SW-09	Z4621-17	8260	8270				Chemtech - SOP
SW-10	Z4621-18	8260	8270				Chemtech - SOP
SW-19	Z4621-19	8260	8270				Chemtech - SOP

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-IIa SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Z4621-01	SOIL	09/17/08	09/20/08	09/23/08	09/25/08
Z4621-02	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-03	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-04	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-05	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-06	SOIL	09/17/08	09/20/08	09/23/08	09/25/08
Z4621-07	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-08	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-09	SOIL	09/11/08	09/20/08	09/23/08	09/25/08
Z4621-10	SOIL	09/11/08	09/20/08	09/23/08	09/24/08
Z4621-11	SOIL	09/11/08	09/20/08	09/23/08	09/24/08
Z4621-12	SOIL	09/11/08	09/20/08	09/23/08	09/24/08
Z4621-13	SOIL	09/12/08	09/20/08	09/23/08	09/24/08
Z4621-14	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-15	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-16	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-17	SOIL	09/17/08	09/20/08	09/23/08	09/25/08
Z4621-18	SOIL	09/17/08	09/20/08	09/23/08	09/24/08
Z4621-19	SOIL	09/17/08	09/20/08	09/23/08	09/25/08

<sup>\*</sup> Details For Test :SVOC-Chemtech Full

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-IIb SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Z4621-01	SOIL	09/17/08	09/20/08		09/23/08
Z4621-02	SOIL	09/17/08	09/20/08		09/22/08
Z4621-03	SOIL	09/17/08	09/20/08		09/23/08
Z4621-04	SOIL	09/17/08	09/20/08		09/23/08
Z4621-05	SOIL	09/17/08	09/20/08		09/24/08
Z4621-06	SOIL	09/17/08	09/20/08		09/23/08
Z4621-07	SOIL	09/17/08	09/20/08		09/23/08
Z4621-08	SOIL	09/17/08	09/20/08		09/23/08
Z4621-09	SOIL	09/11/08	09/20/08		09/23/08
Z4621-10	SOIL	09/11/08	09/20/08		09/23/08
Z4621-11	SOIL	09/11/08	09/20/08		09/24/08
Z4621-12	SOIL	09/11/08	09/20/08		09/23/08
Z4621-13	SOIL	09/12/08	09/20/08		09/24/08
Z4621-14	SOIL	09/17/08	09/20/08		09/24/08
Z4621-15	SOIL	09/17/08	09/20/08		09/24/08
Z4621-16	SOIL	09/17/08	09/20/08		09/22/08
Z4621-17	SOIL	09/17/08	09/20/08		09/24/08
Z4621-18	SOIL	09/17/08	09/20/08		09/25/08
Z4621-19	SOIL	09/17/08	09/20/08		09/24/08

<sup>\*</sup> Details For Test :VOC-STARS

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-III

### SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Z4621-01	Solid	8260	5035		
Z4621-02	Solid	8260	5035		
Z4621-03	Solid	8260	5035		
Z4621-04	Solid	8260	5035		
Z4621-05	Solid	8260	5035		
Z4621-06	Solid	8260	5035		
Z4621-07	Solid	8260	5035		
Z4621-08	Solid	8260	5035		
Z4621-09	Solid	8260	5035		
Z4621-10	Solid	8260	5035		
Z4621-11	Solid	8260	5035		
Z4621-12	Solid	8260	5035		
Z4621-13	Solid	8260	5035		
Z4621-14	Solid	8260	5035		
Z4621-15	Solid	8260	5035		
Z4621-16	Solid	8260	5035		
Z4621-17	Solid	8260	5035		
Z4621-18	Solid	8260	5035		
Z4621-19	Solid	8260	5035		
Z4621-20	Solid	8260	5035		
Z4621-21	Solid	8260	5035		

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-III SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Z4621-01	Solid	8270	3541		
Z4621-02	Solid	8270	3541		
Z4621-03	Solid	8270	3541		
Z4621-04	Solid	8270	3541		
Z4621-05	Solid	8270	3541		
Z4621-06	Solid	8270	3541		
Z4621-07	Solid	8270	3541		
Z4621-08	Solid	8270	3541		
Z4621-09	Solid	8270	3541		
Z4621-10	Solid	8270	3541		
Z4621-11	Solid	8270	3541		
Z4621-12	Solid	8270	3541		
Z4621-13	Solid	8270	3541		
Z4621-14	Solid	8270	3541		
Z4621-15	Solid	8270	3541		
Z4621-16	Solid	8270	3541		
Z4621-17	Solid	8270	3541		
Z4621-18	Solid	8270	3541		
Z4621-19	Solid	8270	3541		
Z4621-20	Solid	8270	3541		
Z4621-21	Solid	8270	3541		



### **Cover Page**

**Order ID:** Z4621

Project ID: Mechanicville ERP site

Customer Name: HRP Associates, Inc.

#### **Lab Sample Number Customer Sample Number** SW-11 Z4621-01 Z4621-02 SW-12 Z4621-03 SW-13 Z4621-04 SW-14 Z4621-05 SW-17 Z4621-06 SW-18 Z4621-07 SW-19 Z4621-08 DUPLICATE Z4621-09 SW-01 Z4621-10 SW-02 SW-03 Z4621-11 Z4621-12 SW-04 Z4621-13 SW-05 Z4621-14 SW-06 SW-07 Z4621-15 Z4621-16 SW-08 Z4621-17 SW-09 Z4621-18 SW-10 Z4621-19 SW-19 Z4621-20 Z4621-19MS Z4621-21 Z4621-19MSD

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



### **CASE NARRATIVE**

HRP Associates, Inc.

**Project Name: Mechanicville ERP site** 

Project # N/A

**Chemtech Project # Z4621** 

#### A. Number of Samples and Date of Receipt:

21 Solid samples were received on 9/20/08.

#### **B.** Parameters

According to the Chain of Custody document, the following analyses were requested: 8260 Stars List Volatiles soil, and Semivolatiles Chemtech 8270 List. This data package contains results for 8260 Stars List Volatiles soil.

#### C. Analytical Techniques:

The analysis performed on instrument MSVOA H were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis performed on instrument MSVOA K were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap , OI 4560 Concentrator. The method of analysis was 8260.

#### D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for SW-12RE.

The Internal Standards Areas met the acceptable requirements except for SW-12RE and SW-12.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples except for Naphthalene.

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

The Calibration met the requirements except for Methyl tert-butyl Ether. Samples do not have hit for this compounds.

The Tuning criteria met requirements.

#### **E. Additional Comments:**

Samples SW-13, SW-14, SW-17, SW-18, DUPLICATE, SW-01, SW-02, SW-03, SW-04, SW-05, SW-06, SW-07, SW-09, SW-10, SW-19\_, SW-19MS and SW-19MSD were diluted due to bad matrices.

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



### **CASE NARRATIVE**

HRP Associates, Inc.

**Project Name: Mechanicville ERP site** 

Project # N/A

**Chemtech Project # Z4621** 

### A. Number of Samples and Date of Receipt:

21 Solid samples were received on 9/20/08.

#### **B.** Parameters

According to the Chain of Custody document, the following analyses were requested: 8260 Stars List Volatiles soil, and Semivolatiles Chemtech 8270 List. This data package contains results for Semivolatiles Chemtech 8270 List.

### C. Analytical Techniques:

The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704. The method of analysis was 8270 and extraction method was 3541.

#### D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for Hexachloroethane,

2-Nitrophenol, 4-Chloro-3-methylphenol, 2-Methylnaphthalene, 2,4-Dichlorophenol,

Acenaphthylene, Acenaphthene, Dibenzofuran, 4-Nitrophenol, Fluorene and N-

Nitrosodiphenylamine.

The MSD recoveries met the acceptable requirements except for 2,2-oxybis(1-

Chloropropane), Hexachloroethane, 2-Nitroaniline, Acenaphthylene, Dibenzofuran, 4-Nitrophenol, 2,4-Dinitrotoluene, Fluorene, Azobenzene, N-Nitrosodiphenylamine and Phenanthrene.

The RPD recoveries met criteria except for 2-Methylnaphthalene and Phenanthrene.

The Blank Spike met requirements for all samples except for

Hexachlorocyclopentadiene.

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

The Calibration met the requirements.

The Tuning criteria met requirements.

#### **E. Additional Comments:**

Samples SW-11 and SW-09 were diluted due to bad matrices.

Samples SW-14, SW-18, SW-19\_, DUPLICATE, SW-03, SW-04, SW-05, SW-06, SW-07 and SW-10 were diluted due to high concentrations.

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

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

Signature			
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EPA SAMPLE NO.

sw-11

Lab Name: Chemte					Contract:	HRPA02			
Lab Code:	СНЕМ	Case No.	.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621	
Matrix (soil/	water):	so	DIL		Lab Sample ID:	<u> 24621-0</u>	1		
Sample wt/vol	: 5.0	(g/mL)	g	_	Lab File ID:	VK02849	91.D		
Level (low/me	d):	LOW			Date Received:	9/20/08			
% Moisture: n	ot dec.	18			Date Analyzed:	9/23/08			
GC Column:	RTX-VMS	ID:	0.18	(mm)	Dilution Factor	: <u> </u>	1.0		
Soil Extract	Volume:		(u	L)	Soil Aliquot Vo	lume:	(	uL)	

CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.1	Ū
71-43-2	Benzene	6.1	υ
108-88-3	Toluene	6.1	υ
100-41-4	Ethyl Benzene	6.1	υ
126777-61-2	m/p-Xylenes	12	υ
95-47-6	o-Xylene	4.9	J
98-82-8	Isopropylbenzene	84	
103-65-1	N-propylbenzene	150	
108-67-8	1,3,5-Trimethylbenzene	6.1	U
98-06-6	tert-Butylbenzene	14	
95-63-6	1,2,4-Trimethylbenzene	100	
135-98-8	Sec-butylbenzene	140	
99-87-6	p-Isopropyltoluene	6.1	U
104-51-8	n-Butylbenzene	160	
91-20-3	Naphthalene	6.1	υ

EPA SAMPLE NO.

SW-12	SW-12
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Lab Name:	Chemtech			Contract:	HRPA0	2	
Lab Code:	СНЕМ	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	<u>z4621</u>
Matrix (soil/	water):	sol	IL	Lab Sample ID:	<u> 24621-0</u>	2	-
Sample wt/vol	.: 5.0	(g/mL)	g	Lab File ID:	VK02847	/2.D	
Level (low/me	ed):	LOW		Date Received:	9/20/08		
% Moisture: n	ot dec.	22		Date Analyzed:	9/22/08	<u> </u>	
GC Column:	RTX-VMS	ID: 0	.18 (mm	) Dilution Facto	r:	1.0	
Soil Extract	Volume:		(uL)	Soil Aliquot V	olume:	(	uL)

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.4	Ū
71-43-2	Benzene	6.4	Ū
108-88-3	Toluene	6.4	Ū
100-41-4	Ethyl Benzene	6.4	Ū
126777-61-2	m/p-Xylenes	13	Ū
95-47-6	o-Xylene	6.4	Ū
98-82-8	Isopropylbenzene	6.4	Ū
103-65-1	N-propylbenzene	6.4	Ū
108-67-8	1,3,5-Trimethylbenzene	6.4	Ū
98-06-6	tert-Butylbenzene	6.4	Ū
95-63-6	1,2,4-Trimethylbenzene	6.4	Ū
135-98-8	Sec-butylbenzene	6.4	Ū
99-87-6	p-Isopropyltoluene	6.4	Ū
104-51-8	n-Butylbenzene	6.4	Ū
91-20-3	Naphthalene	6.4	Ū

EPA SAMPLE NO.

SW-12RE

Lab Name:	Chemtech			Contract:	HRPA0	2	
Lab Code:	CHEM	Case No.:	<u>z4621</u>	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	/water):	soi	<u>L</u>	Lab Sample ID:	<b>Z4621-</b> 0	2RE	
Sample wt/vol	L: 5.0	(g/mL)	g	Lab File ID:	VK02847	4.D	
Level (low/me	ed):	LOW		Date Received:	9/20/08		
% Moisture: r	not dec.	22		Date Analyzed:	9/22/08	<u> </u>	
GC Column:	RTX-VMS	ID: 0.	.18 (mm)	Dilution Factor	: 1	1.0	
Soil Extract	Volume:		(uL)	Soil Aliquot Vo	lume:	(	uL)

CAS No.	Compound (ug/L or ug/Kg	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.4	U
71-43-2	Benzene	6.4	U
108-88-3	Toluene	6.4	U
100-41-4	Ethyl Benzene	6.4	U
126777-61-2	m/p-Xylenes	13	U
95-47-6	o-Xylene	6.4	U
98-82-8	Isopropylbenzene	6.4	U
103-65-1	N-propylbenzene	6.4	Ū
108-67-8	1,3,5-Trimethylbenzene	6.4	U
98-06-6	tert-Butylbenzene	6.4	Ū
95-63-6	1,2,4-Trimethylbenzene	6.4	U
135-98-8	Sec-butylbenzene	6.4	U
99-87-6	p-Isopropyltoluene	6.4	U
104-51-8	n-Butylbenzene	6.4	U
91-20-3	Naphthalene	6.4	U

EPA SAMPLE NO.

SW-13

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	CHEM	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	water):	soi	<u>L</u>	Lab Sample ID:	<u>z4621-03</u>		-
Sample wt/vol	: 4.0	(g/mL)	g	Lab File ID:	VH024065	•D	
Level (low/me	d):	MED		Date Received:	9/20/08		
% Moisture: n	ot dec.	22		Date Analyzed:	9/23/08	_	
GC Column:	RTX-VMS	ID: 0.	.18 (mm)	Dilution Factor	: 5.	0	
Soil Extract	Volume:	10000	(uL)	Soil Aliquot Vo	lume:	100 (	uL)

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	4000	Ū
71-43-2	Benzene	4000	Ū
108-88-3	Toluene	4000	Ū
100-41-4	Ethyl Benzene	4000	Ū
126777-61-2	m&p-Xylenes	8000	Ū
95-47-6	o-Xylene	4000	Ū
98-82-8	Isopropylbenzene	4000	Ū
103-65-1	n-propylbenzene	4000	Ū
108-67-8	1,3,5-Trimethylbenzene	4000	Ū
98-06-6	tert-Butylbenzene	4000	Ū
95-63-6	1,2,4-Trimethylbenzene	4000	Ū
135-98-8	Sec-butylbenzene	4000	Ū
99-87-6	p-Isopropyltoluene	4000	υ
104-51-8	n-Butylbenzene	4000	Ū
91-20-3	Naphthalene	5300	

EPA SAMPLE NO.

SW-14

Lab Name: Che	emtech			<u> </u>	Contract:	HRPA02		
Lab Code: CHE	ЕМ	Case No.	·: '	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/wat	er):	so	OIL		Lab Sample ID:	<u>z4621-04</u>		_
Sample wt/vol:	4.0	(g/mL)	g		Lab File ID:	VH024066	5.D	
Level (low/med):	:	MED			Date Received:	9/20/08		
% Moisture: not	dec.	14			Date Analyzed:	9/23/08	<del>-</del> =	
GC Column: R	TX-VMS	ID:	0.18	(mm)	Dilution Factor	: 10	.0	
Soil Extract Vol	ume:	1000	0 (uI	ı)	Soil Aliquot Vo	lume:	100	(uL)

CAS No.	Compound (ug/L or ug/Kg	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	7300	U
71-43-2	Benzene	7300	U
108-88-3	Toluene	7300	U
100-41-4	Ethyl Benzene	7300	Ū
126777-61-2	m&p-Xylenes	15000	U
95-47-6	o-Xylene	7300	Ū
98-82-8	Isopropylbenzene	7300	Ū
103-65-1	n-propylbenzene	7300	U
108-67-8	1,3,5-Trimethylbenzene	7300	U
98-06-6	tert-Butylbenzene	7300	Ū
95-63-6	1,2,4-Trimethylbenzene	7300	U
135-98-8	Sec-butylbenzene	7300	Ū
99-87-6	p-Isopropyltoluene	7300	U
104-51-8	n-Butylbenzene	7300	U
91-20-3	Naphthalene	7300	U

EPA SAMPLE NO.

SW-17

Lab Name:	Chemtech			Contract:	HRPA0	2	
Lab Code:	СНЕМ	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil	/water):	SOIL		Lab Sample ID:	Z4621-0	5	
Sample wt/vo	1: 4.0	(g/mL) g		Lab File ID:	VH02410	0.D	
Level (low/m	med):	MED		Date Received:	9/20/08		
% Moisture:	not dec.	21		Date Analyzed:	9/24/08	_	
GC Column:	RTX-VMS	ID: 0.18	3 (mm)	Dilution Factor	:1	L.O	
Soil Extract	Volume:	10000	 (uL)	Soil Aliquot Vo	lume:	100 (	uL)

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	790	Ū
71-43-2	Benzene	790	Ū
108-88-3	Toluene	790	Ū
100-41-4	Ethyl Benzene	790	Ū
126777-61-2	m&p-Xylenes	1600	υ
95-47-6	o-Xylene	790	Ū
98-82-8	Isopropylbenzene	790	U
103-65-1	n-propylbenzene	790	U
108-67-8	1,3,5-Trimethylbenzene	790	Ū
98-06-6	tert-Butylbenzene	790	U
95-63-6	1,2,4-Trimethylbenzene	1200	
135-98-8	Sec-butylbenzene	790	U
99-87-6	p-Isopropyltoluene	790	U
104-51-8	n-Butylbenzene	790	Ū
91-20-3	Naphthalene	790	υ

EPA SAMPLE NO.

SW-18	
DM-TO	

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	СНЕМ	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	water):	SOIL		Lab Sample ID:	Z4621-06		
Sample wt/vol	: 4.0	(g/mL) g	_	Lab File ID:	VH024067.	.D	
Level (low/me	d):	MED		Date Received:	9/20/08		
% Moisture: n	ot dec.	28		Date Analyzed:	9/23/08	•	
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	: 10.	0	
Soil Extract	Volume:	10000 (	uL)	Soil Aliquot Vo	lume:	100 (1	ıL)

CAS No.	Compound (ug/L or ug/Kg	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	8700	Ū
71-43-2	Benzene	8700	υ
108-88-3	Toluene	8700	Ū
100-41-4	Ethyl Benzene	8700	υ
126777-61-2	m&p-Xylenes	17000	Ŭ
95-47-6	o-Xylene	8700	Ŭ
98-82-8	Isopropylbenzene	8700	υ
103-65-1	n-propylbenzene	8700	υ
108-67-8	1,3,5-Trimethylbenzene	8700	Ŭ
98-06-6	tert-Butylbenzene	8700	υ
95-63-6	1,2,4-Trimethylbenzene	8700	υ
135-98-8	Sec-butylbenzene	8700	Ŭ
99-87-6	p-Isopropyltoluene	8700	Ū
104-51-8	n-Butylbenzene	8700	Ŭ
91-20-3	Naphthalene	8700	υ

EPA SAMPLE NO.

DUPLICATE

Lab Name:	Chemtech			Contract:	HRPA0	2	
Lab Code:	CHEM	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil	/water):	SOIL		Lab Sample ID:	Z4621-08	8	-
Sample wt/vo	1: 4.0	(g/mL) g	_	Lab File ID:	VH02406	9.D	
Level (low/m	med):	MED		Date Received:	9/20/08		
% Moisture:	not dec.	17		Date Analyzed:	9/23/08	_	
GC Column:	RTX-VMS	ID: 0.18	ß (mm)	Dilution Factor	: 1	L.O	
Soil Extract	Volume:	10000 (	uL)	Soil Aliquot Vo	lume:	100 (	uL)

CAS No.	Compound (ug/L or ug/Kg	() ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	750	Ū
71-43-2	Benzene	750	υ
108-88-3	Toluene	750	Ū
100-41-4	Ethyl Benzene	750	υ
126777-61-2	m&p-Xylenes	1500	Ŭ
95-47-6	o-Xylene	750	υ
98-82-8	Isopropylbenzene	750	υ
103-65-1	n-propylbenzene	750	Ū
108-67-8	1,3,5-Trimethylbenzene	750	υ
98-06-6	tert-Butylbenzene	750	υ
95-63-6	1,2,4-Trimethylbenzene	750	υ
135-98-8	Sec-butylbenzene	750	Ū
99-87-6	p-Isopropyltoluene	750	Ū
104-51-8	n-Butylbenzene	750	Ū
91-20-3	Naphthalene	750	υ

EPA SAMPLE NO.

sw-01

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	СНЕМ	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	water):	SOIL		Lab Sample ID:	<u>z4621-09</u>		
Sample wt/vol	: 4.0	(g/mL) g	_	Lab File ID:	VH024070	.D	
Level (low/me	d):	MED		Date Received:	9/20/08		
% Moisture: n	ot dec.	30		Date Analyzed:	9/23/08	- -	
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	: 5.	0	
Soil Extract	Volume:	10000 (	uL)	Soil Aliquot Vo	lume:	100 (	uL)

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	4500	Ū
71-43-2	Benzene	4500	Ū
108-88-3	Toluene	4500	Ū
100-41-4	Ethyl Benzene	4500	υ
126777-61-2	m&p-Xylenes	8900	Ŭ
95-47-6	o-Xylene	4500	υ
98-82-8	Isopropylbenzene	4500	Ŭ
103-65-1	n-propylbenzene	4500	Ū
108-67-8	1,3,5-Trimethylbenzene	4500	υ
98-06-6	tert-Butylbenzene	4500	Ŭ
95-63-6	1,2,4-Trimethylbenzene	4500	υ
135-98-8	Sec-butylbenzene	4500	υ
99-87-6	p-Isopropyltoluene	4500	ŭ
104-51-8	n-Butylbenzene	4500	Ŭ
91-20-3	Naphthalene	4500	υ

EPA SAMPLE NO.

SW-02	

Lab Name:	Chemtech			Contract:	HRPA02	1	
Lab Code:	СНЕМ	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/v	water):	SOIL		Lab Sample ID:	Z4621-10	1	_
Sample wt/vol:	: 4.0	(g/mL) g		Lab File ID:	VH024071	L.D	
Level (low/med	d):	MED		Date Received:	9/20/08		
% Moisture: no	ot dec.	23		Date Analyzed:	9/23/08	_ _	
GC Column:	RTX-VMS	ID: 0.18	8 (mm)	Dilution Factor	: 1	.0	
Soil Extract V	Volume:	10000	 (uL)	Soil Aliquot Vo	lume:	100 (	uL)

CAS No.	Compound (ug/L or ug/Kg)	) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	810	U
71-43-2	Benzene	810	U
108-88-3	Toluene	810	U
100-41-4	Ethyl Benzene	810	U
126777-61-2	m&p-Xylenes	1600	U
95-47-6	o-Xylene	810	U
98-82-8	Isopropylbenzene	810	U
103-65-1	n-propylbenzene	810	U
108-67-8	1,3,5-Trimethylbenzene	810	U
98-06-6	tert-Butylbenzene	810	U
95-63-6	1,2,4-Trimethylbenzene	810	U
135-98-8	Sec-butylbenzene	810	U
99-87-6	p-Isopropyltoluene	810	U
104-51-8	n-Butylbenzene	810	U
91-20-3	Naphthalene	810	U

EPA SAMPLE NO.

SW-03	

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	СНЕМ	Case No.:	<u>z4621</u>	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	water):	SOIL		Lab Sample ID:	Z4621-11		
Sample wt/vol	.: 4.0	(g/mL) g	_	Lab File ID:	VH024101	.D	
Level (low/me	ed):	MED		Date Received:	9/20/08	_	
% Moisture: n	ot dec.	18		Date Analyzed:	9/24/08	•	
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	: 1.	0	
Soil Extract	Volume:	10000 (1	nF)	Soil Aliquot Vo	lume:	100 (1	ıL)

	CONCENTRATION UN	ITS:	
CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	760	Ū
71-43-2	Benzene	760	Ū
108-88-3	Toluene	760	υ
100-41-4	Ethyl Benzene	760	Ū
126777-61-2	m&p-Xylenes	1500	υ
95-47-6	o-Xylene	760	Ū
98-82-8	Isopropylbenzene	760	υ
103-65-1	n-propylbenzene	760	Ū
108-67-8	1,3,5-Trimethylbenzene 760		υ
98-06-6	tert-Butylbenzene	760	Ū
95-63-6	1,2,4-Trimethylbenzene	1600	
135-98-8	Sec-butylbenzene	760	Ū
99-87-6	p-Isopropyltoluene	760	Ū
104-51-8	n-Butylbenzene	760	U
91-20-3	Naphthalene	760	υ

EPA SAMPLE NO.

HRPA02

SW-04

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

Matrix (soil/water): SOIL Lab Sample ID: Z4621-12

Lab Name:

Chemtech

Sample wt/vol: 4.0 (g/mL) g Lab File ID: VH024072.D

Level (low/med): MED Date Received: 9/20/08
% Moisture: not dec. 28 Date Analyzed: 9/23/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

#### CONCENTRATION UNITS:

Contract:

CAS No.	Compound (ug/L or ug/Kg	) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	4300	U
71-43-2	Benzene	4300	U
108-88-3	Toluene	4300	U
100-41-4	Ethyl Benzene	4300	ט
126777-61-2	m&p-Xylenes	8700	ט
95-47-6	o-Xylene	4300	U
98-82-8	Isopropylbenzene	4300	U
103-65-1	n-propylbenzene	3000	J
108-67-8	1,3,5-Trimethylbenzene	4300	U
98-06-6	tert-Butylbenzene	4300	U
95-63-6	1,2,4-Trimethylbenzene	27000	
135-98-8	Sec-butylbenzene	3100	J
99-87-6	p-Isopropyltoluene	4300	U
104-51-8	n-Butylbenzene	4300	U
91-20-3	Naphthalene	4300	U

EPA SAMPLE NO.

SW-05	

Lab Name: Chemt	ech		Contract:	HRPA02		
Lab Code: CHEM	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/water)	: SOII	<u>.</u>	Lab Sample ID:	<u>z4621-13</u>		_
Sample wt/vol:	4.0 (g/mL)	9	Lab File ID:	VH024102	.D	
Level (low/med):	MED		Date Received:	9/20/08		
% Moisture: not dec	. 21		Date Analyzed:	9/24/08	- -	
GC Column: RTX-	VMS ID: 0.	18 (mm)	Dilution Factor	: 1.	0	
Soil Extract Volume	: 10000	 (uL)	Soil Aliquot Vo	lume:	100 (	uL)

	001,0=1,1111111111111111111111111111111		
CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	790	U
71-43-2	Benzene	790	Ū
108-88-3	Toluene	790	Ū
100-41-4	Ethyl Benzene	790	Ū
126777-61-2	m&p-Xylenes	1600	U
95-47-6	o-Xylene	790	Ū
98-82-8	Isopropylbenzene	790	U
103-65-1	n-propylbenzene	860	
108-67-8	1,3,5-Trimethylbenzene	790	U
98-06-6	tert-Butylbenzene	790	U
95-63-6	1,2,4-Trimethylbenzene	5200	
135-98-8	Sec-butylbenzene	710	J
99-87-6	p-Isopropyltoluene	790	Ū
104-51-8	n-Butylbenzene	1000	
91-20-3	Naphthalene	790	Ū

EPA SAMPLE NO.

SW-06	

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	CHEM	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	water):	SOIL		Lab Sample ID:	Z4621-14		
Sample wt/vol	: 4.0	(g/mL) g	_	Lab File ID:	VH024103	.D	
Level (low/me	d):	MED		Date Received:	9/20/08		
% Moisture: n	ot dec.	13		Date Analyzed:	9/24/08	•	
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	·: <u>5.</u>	0	
Soil Extract	Volume:	10000 (1	лГ)	Soil Aliquot Vo	lume:	100 (1	ıL)

	CONCENTRATION U	NITS:	
CAS No.	Compound (ug/L or ug/l	Kg) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	3600	Ū
71-43-2	Benzene	3600	U
108-88-3	Toluene	3600	U
100-41-4	Ethyl Benzene	3600	U
126777-61-2	m&p-Xylenes	7200	U
95-47-6	o-Xylene	3600	U
98-82-8	Isopropylbenzene	3600	U
103-65-1	n-propylbenzene 1500 J		J
108-67-8	1,3,5-Trimethylbenzene 3600 U		
98-06-6	tert-Butylbenzene 3600 U		
95-63-6	1,2,4-Trimethylbenzene 3600 U		
135-98-8	Sec-butylbenzene 1900 J		
99-87-6	p-Isopropyltoluene	1	
104-51-8	n-Butylbenzene		
91-20-3	Naphthalene	3600	Ū

EPA SAMPLE NO.

SW-07	

Lab Name:	Chemtech			Contract:	HRPA02	!	
Lab Code:	CHEM	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	/water):	SOIL		Lab Sample ID:	Z4621-15	i	-
Sample wt/vol	1: <u>4.0</u>	(g/mL) g		Lab File ID:	VH024104	4.D	
Level (low/me	ed):	MED		Date Received:	9/20/08		
% Moisture: r	not dec.	18		Date Analyzed:	9/24/08	_	
GC Column:	RTX-VMS	ID: 0.18	8 (mm)	Dilution Factor	: 1	.0	
Soil Extract	Volume:	10000	 (uL)	Soil Aliquot Vo	lume:	100 (	uL)

CAS No.	Compound (ug/L or ug/Kg	) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	760	Ū
71-43-2	Benzene	760	U
108-88-3	Toluene	760	υ
100-41-4	Ethyl Benzene	760	Ū
126777-61-2	m&p-Xylenes	1500	Ŭ
95-47-6	o-Xylene	760	Ū
98-82-8	Isopropylbenzene	760	Ū
103-65-1	n-propylbenzene	560	J
108-67-8	1,3,5-Trimethylbenzene	760	U
98-06-6	tert-Butylbenzene	760	Ū
95-63-6	1,2,4-Trimethylbenzene	620	J
135-98-8	Sec-butylbenzene	610	J
99-87-6	p-Isopropyltoluene	760	Ū
104-51-8	n-Butylbenzene	760	Ū
91-20-3	Naphthalene	760	Ŭ

EPA SAMPLE NO.

SW-08	

Lab Name:	Chemtech				Contract:	HRPA0	2	
Lab Code:	CHEM	Case No	·.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil	/water):	s	OIL		Lab Sample ID:	Z4621-1	6	<u>.</u>
Sample wt/vo	1: 5.0	(g/mL)	g	<u>-</u>	Lab File ID:	VK02847	5.D	
Level (low/m	ed):	LOW			Date Received:	9/20/08		
% Moisture:	not dec.	40			Date Analyzed:	9/22/08	_	
GC Column:	RTX-VMS	ID:	0.18	(mm)	Dilution Factor	: 1	L.O	
Soil Extract	Volume:		(1	лГ) _	Soil Aliquot Vol	lume:	(	uL)

CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	8.3	Ū
71-43-2	Benzene	8.3	U
108-88-3	Toluene	8.3	U
100-41-4	Ethyl Benzene	8.3	U
126777-61-2	m/p-Xylenes	17	Ū
95-47-6	o-Xylene	8.3	U
98-82-8	Isopropylbenzene	14	
103-65-1	N-propylbenzene	17	
108-67-8	1,3,5-Trimethylbenzene	8.3	Ū
98-06-6	tert-Butylbenzene	6.0	J
95-63-6	1,2,4-Trimethylbenzene	8.3	U
135-98-8	Sec-butylbenzene	50	
99-87-6	p-Isopropyltoluene	8.3	Ū
104-51-8	n-Butylbenzene	27	
91-20-3	Naphthalene	8.3	υ

EPA SAMPLE NO.

sw-09

Lab Name:	Chemtech				Contract:	HRPA02		
Lab Code:	CHEM	Case No	.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil,	/water):	s	OIL		Lab Sample ID:	<u>z4621-17</u>		-
Sample wt/vol	1: 4.0	(g/mL)	g	_	Lab File ID:	VH024105	.D	
Level (low/me	ed):	MED			Date Received:	9/20/08		
% Moisture: n	not dec.	26			Date Analyzed:	9/24/08	- -	
GC Column:	RTX-VMS	ID:	0.18	(mm)	Dilution Factor	: 1.	0	

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound (ug/L or ug/Kg	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	840	U
71-43-2	Benzene	840	U
108-88-3	Toluene	840	υ
100-41-4	Ethyl Benzene	840	U
126777-61-2	m&p-Xylenes	1700	U
95-47-6	o-Xylene	840	U
98-82-8	Isopropylbenzene	840	υ
103-65-1	n-propylbenzene	840	U
108-67-8	1,3,5-Trimethylbenzene	840	U
98-06-6	tert-Butylbenzene	840	υ
95-63-6	1,2,4-Trimethylbenzene	840	υ
135-98-8	Sec-butylbenzene	840	υ
99-87-6	p-Isopropyltoluene	840	U
104-51-8	n-Butylbenzene	840	U
91-20-3	Naphthalene	840	U

EPA SAMPLE NO.

SW-10

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	CHEM	Case No.:	<u>z4621</u>	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	water):	SOIL		Lab Sample ID:	<u>z4621-18</u>		
Sample wt/vol	: 4.0	(g/mL) g	_	Lab File ID:	VH024119	.D	
Level (low/me	d):	MED		Date Received:	9/20/08	_	
% Moisture: n	ot dec.	13		Date Analyzed:	9/25/08	-	
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	: 1.	0	
Soil Extract	Volume:	10000 (1	nr)	Soil Aliquot Vo	lume:	100 (	uL)

	CONCENTRATION U	NITS:	
CAS No.	Compound (ug/L or ug/H	Kg) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	720	Ū
71-43-2	Benzene	720	υ
108-88-3	Toluene	720	υ
100-41-4	Ethyl Benzene	720	υ
126777-61-2	m&p-Xylenes	1400	υ
95-47-6	o-Xylene	720	υ
98-82-8	Isopropylbenzene	720	Ū
103-65-1	n-propylbenzene	720	υ
108-67-8	1,3,5-Trimethylbenzene	720	υ
98-06-6	tert-Butylbenzene	720	υ
95-63-6	1,2,4-Trimethylbenzene	720	υ
135-98-8	Sec-butylbenzene	720	υ
99-87-6	p-Isopropyltoluene	720	Ū
104-51-8	n-Butylbenzene	720	Ū
91-20-3	Naphthalene	720	Ū

EPA SAMPLE NO.

SW-19\_

Lab Name	e: (	Chemtech			Contract:	HRPA02		
Lab Code	e: (	СНЕМ	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621

Matrix (soil/water): SOIL Lab Sample ID: Z4621-19

Sample wt/vol: 4.0 (g/mL) g Lab File ID: VH024107.D

Level (low/med): MED Date Received: 9/20/08
% Moisture: not dec. 23 Date Analyzed: 9/24/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	4100	U
71-43-2	Benzene	4100	U
108-88-3	Toluene	4100	U
100-41-4	Ethyl Benzene	4100	U
126777-61-2	m&p-Xylenes	8100	U
95-47-6	o-Xylene	4100	U
98-82-8	Isopropylbenzene	4100	U
103-65-1	n-propylbenzene	4100	U
108-67-8	1,3,5-Trimethylbenzene	4100	U
98-06-6	tert-Butylbenzene	4100	U
95-63-6	1,2,4-Trimethylbenzene	3400	J
135-98-8	Sec-butylbenzene	4100	U
99-87-6	p-Isopropyltoluene	4100	U
104-51-8	n-Butylbenzene	4100	U
91-20-3	Naphthalene	4100	U

#### Summary Sheet SW-846

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID Client ID:	Client ID SW-03	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4621-11	SW-03	SOIL	1,2,4-Trimethylbenzene	1600		760	49	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	1600.00 0.00 1600.00				
Client ID:	SW-04							
Z4621-12	SW-04	SOIL	n-propylbenzene	3000	J	4300	240	ug/Kg
Z4621-12	SW-04	SOIL	1,2,4-Trimethylbenzene	27000		4300	280	ug/Kg
Z4621-12	SW-04	SOIL	Sec-butylbenzene	3100	J	4300	230	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	33100.00 0.00 33100.00				
Client ID:	SW-05							
Z4621-13	SW-05	SOIL	n-propylbenzene	860		790	44	ug/Kg
Z4621-13	SW-05	SOIL	1,2,4-Trimethylbenzene	5200		790	51	ug/Kg
Z4621-13	SW-05	SOIL	Sec-butylbenzene	710	J	790	41	ug/Kg
Z4621-13	SW-05	SOIL	n-Butylbenzene	1000		790	46	ug/Kg
L+021-13			Total VOC's: Total TIC's: Total VOC's and TIC's:	7770.00 0.00 7770.00				
Client ID:	SW-06							
Z4621-14	SW-06	SOIL	n-propylbenzene	1500	J	3600	200	ug/Kg
Z4621-14	SW-06	SOIL	Sec-butylbenzene	1900	J	3600	190	ug/Kg
Z4621-14	SW-06	SOIL	n-Butylbenzene	3500	J	3600	210	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	6900.00 0.00 6900.00				
Client ID:	SW-07							
Z4621-15	SW-07	SOIL	n-propylbenzene	560	J	760	43	ug/Kg
Z4621-15	SW-07	SOIL	1,2,4-Trimethylbenzene	620	J	760	49	ug/Kg
Z4621-15	SW-07	SOIL	Sec-butylbenzene	610	J	760	40	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	1790.00 0.00 1790.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

#### Summary Sheet SW-846

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID Client ID:	Client ID SW-13	Matrix	Parameter	Concentration	С	RDL	MDL	Units
Z4621-03	SW-13	SOIL	Naphthalene	5300		4000	230	ug/Kg
			Total VOC's: Total TIC's:	5300.00 0.00				
			Total VOC's and TIC's:	5300.00				
Client ID:	SW-17							
Z4621-05	SW-17	SOIL	1,2,4-Trimethylbenzene	1200		790	51	ug/Kg
			Total VOC's:	1200.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	1200.00				
Client ID:	SW-19							
Z4621-19	SW-19	SOIL	1,2,4-Trimethylbenzene	3400	J	4100	260	ug/Kg
			Total VOC's:	3400.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	3400.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

#### Summary Sheet SW-846

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID Client ID:	Client ID SW-08	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4621-16	SW-08	SOIL	Isopropylbenzene	14		8.3	1.4	ug/Kg
Z4621-16	SW-08	SOIL	N-propylbenzene	17		8.3	1.3	ug/Kg
Z4621-16	SW-08	SOIL	tert-Butylbenzene	6.0	J	8.3	1.2	ug/Kg
Z4621-16	SW-08	SOIL	Sec-butylbenzene	50		8.3	1.4	ug/Kg
Z4621-16	SW-08	SOIL	n-Butylbenzene	27		8.3	1.6	ug/Kg
			Total VOC's:	114.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	114.00				
Client ID:	SW-11							
Z4621-01	SW-11	SOIL	o-Xylene	4.9	J	6.1	0.92	ug/Kg
Z4621-01	SW-11	SOIL	Isopropylbenzene	84		6.1	1.0	ug/Kg
Z4621-01	SW-11	SOIL	N-propylbenzene	150		6.1	0.96	ug/Kg
Z4621-01	SW-11	SOIL	tert-Butylbenzene	14		6.1	0.87	ug/Kg
Z4621-01	SW-11	SOIL	1,2,4-Trimethylbenzene	100		6.1	0.95	ug/Kg
Z4621-01	SW-11	SOIL	Sec-butylbenzene	140		6.1	1.0	ug/Kg
Z4621-01	SW-11	SOIL	n-Butylbenzene	160		6.1	1.1	ug/Kg
			Total VOC's:	652.90				

Total VOC's: 652.90
Total TIC's: 0.00

Total VOC's and TIC's: 652.90

#### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Lim Low	High
BSH0923M1	VLCS01	1,2-Dichloroethane-d4	50	49.03	98		54.00	142.00
		Dibromofluoromethane	50	47.73	95		54.00	141.00
		Toluene-d8	50	47.1	94		63.00	124.00
		4-Bromofluorobenzene	50	44.54	89		50.00	133.00
BSH0924M1	VLCS02	1,2-Dichloroethane-d4	50	50.05	100		54.00	142.00
		Dibromofluoromethane	50	46.91	94		54.00	141.00
		Toluene-d8	50	47.39	95		63.00	124.00
		4-Bromofluorobenzene	50	42.55	85		50.00	133.00
BSH0925M1	VLCS03	1,2-Dichloroethane-d4	50	49.58	99		54.00	142.00
		Dibromofluoromethane	50	47.31	95		54.00	141.00
		Toluene-d8	50	46.14	92		63.00	124.00
		4-Bromofluorobenzene	50	44.48	89		50.00	133.00
VBH0923M1	VBLK01	1,2-Dichloroethane-d4	50	46.76	94		54.00	142.00
		Dibromofluoromethane	50	48.1	96		54.00	141.00
		Toluene-d8	50	48.12	96		63.00	124.00
		4-Bromofluorobenzene	50	47.18	94		50.00	133.00
VBH0924M1	VBLK02	1,2-Dichloroethane-d4	50	48.38	97		54.00	142.00
		Dibromofluoromethane	50	51.53	103		54.00	141.00
		Toluene-d8	50	52.2	104		63.00	124.00
		4-Bromofluorobenzene	50	52.25	105		50.00	133.00
VBH0925M1	VBLK03	1,2-Dichloroethane-d4	50	46.04	92		54.00	142.00
		Dibromofluoromethane	50	45.92	92		54.00	141.00
		Toluene-d8	50	51.22	102		63.00	124.00
		4-Bromofluorobenzene	50	50.03	100		50.00	133.00
Z4621-03	SW-13	1,2-Dichloroethane-d4	50	300.1	120		54.00	142.00
		Dibromofluoromethane	50	269.65	108		54.00	141.00
		Toluene-d8	50	261.1	104		63.00	124.00
		4-Bromofluorobenzene	50	281.85	113		50.00	133.00
Z4621-04	SW-14	1,2-Dichloroethane-d4	50	546.5	109		54.00	142.00
		Dibromofluoromethane	50	491.5	98		54.00	141.00
		Toluene-d8	50	503.8	101		63.00	124.00
		4-Bromofluorobenzene	50	516.4	103		50.00	133.00
Z4621-05	SW-17	1,2-Dichloroethane-d4	50	65.75	132		54.00	142.00
		Dibromofluoromethane	50	50.35	101		54.00	141.00
		Toluene-d8	50	48.75	98		63.00	124.00
		4-Bromofluorobenzene	50	51.25	103		50.00	133.00
Z4621-06	SW-18	1,2-Dichloroethane-d4	50	496.5	99		54.00	142.00
		Dibromofluoromethane	50	478	96		54.00	141.00
		Toluene-d8	50	502.3	100		63.00	124.00
		4-Bromofluorobenzene	50	499.2	100		50.00	133.00
Z4621-07	SW-19	1,2-Dichloroethane-d4	50	257.3	103		54.00	142.00

### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	nits High
Z4621-07	SW-19	Dibromofluoromethane	50	239	96		54.00	141.00
		Toluene-d8	50	253.4	101		63.00	124.00
		4-Bromofluorobenzene	50	248.4	99		50.00	133.00
Z4621-08	DUPLICATE	1,2-Dichloroethane-d4	50	48.6	97		54.00	142.00
		Dibromofluoromethane	50	48.37	97		54.00	141.00
		Toluene-d8	50	49.27	99		63.00	124.00
		4-Bromofluorobenzene	50	46.89	94		50.00	133.00
Z4621-09	SW-01	1,2-Dichloroethane-d4	50	269.2	108		54.00	142.00
		Dibromofluoromethane	50	240.05	96		54.00	141.00
		Toluene-d8	50	258.45	103		63.00	124.00
		4-Bromofluorobenzene	50	254.9	102		50.00	133.00
Z4621-10	SW-02	1,2-Dichloroethane-d4	50	55.6	111		54.00	142.00
		Dibromofluoromethane	50	49.73	99		54.00	141.00
		Toluene-d8	50	50.66	101		63.00	124.00
		4-Bromofluorobenzene	50	50.54	101		50.00	133.00
Z4621-11	SW-03	1,2-Dichloroethane-d4	50	60.22	120		54.00	142.00
		Dibromofluoromethane	50	51.53	103		54.00	141.00
		Toluene-d8	50	51.15	102		63.00	124.00
		4-Bromofluorobenzene	50	51.53	103		50.00	133.00
Z4621-12	SW-04	1,2-Dichloroethane-d4	50	273.35	109		54.00	142.00
		Dibromofluoromethane	50	252.85	101		54.00	141.00
		Toluene-d8	50	262.9	105		63.00	124.00
		4-Bromofluorobenzene	50	260	104		50.00	133.00
Z4621-13	SW-05	1,2-Dichloroethane-d4	50	53.95	108		54.00	142.00
2.021 10	211 00	Dibromofluoromethane	50	50.63	101		54.00	141.00
		Toluene-d8	50	53.72	107		63.00	124.00
		4-Bromofluorobenzene	50	54.96	110		50.00	133.00
Z4621-14	SW-06	1,2-Dichloroethane-d4	50	260.95	104		54.00	142.00
2.021 1.	211 00	Dibromofluoromethane	50	243.75	98			141.00
		Toluene-d8	50	266.75	107		63.00	124.00
		4-Bromofluorobenzene	50	259.2	104		50.00	133.00
Z4621-15	SW-07	1,2-Dichloroethane-d4	50	55.3	111		54.00	142.00
2.1021 13	511 07	Dibromofluoromethane	50	50.22	100		54.00	141.00
		Toluene-d8	50	53.29	107		63.00	124.00
		4-Bromofluorobenzene	50	52.74	105		50.00	133.00
Z4621-17	SW-09	1,2-Dichloroethane-d4	50	55.81	112		54.00	142.00
2.021 17	511 07	Dibromofluoromethane	50	48.04	96		54.00	141.00
		Toluene-d8	50	52.93	106		63.00	124.00
		4-Bromofluorobenzene	50	52.53	105		50.00	133.00
Z4621-18	SW-10	1,2-Dichloroethane-d4	50	41.38	83		54.00	142.00
2.7021 10	D 11 10	Dibromofluoromethane	50	43.93	88		54.00	141.00

### Surrogate Summary SW-846

SDG No.: **Z4621** 

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

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Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4621-18	SW-10	Toluene-d8	50	43.31	87		63.00	124.00
		4-Bromofluorobenzene	50	40.13	80		50.00	133.00
Z4621-19	SW-19	1,2-Dichloroethane-d4	50	264.45	106		54.00	142.00
		Dibromofluoromethane	50	239.1	96		54.00	141.00
		Toluene-d8	50	254.75	102		63.00	124.00
		4-Bromofluorobenzene	50	257.2	103		50.00	133.00
Z4621-20MS	SW-19MS	1,2-Dichloroethane-d4	50	282.3	113		54.00	142.00
		Dibromofluoromethane	50	225.1	90		54.00	141.00
		Toluene-d8	50	241.9	97		63.00	124.00
		4-Bromofluorobenzene	50	226.5	91		50.00	133.00
Z4621-21MSD	SW-19MSD	1,2-Dichloroethane-d4	50	276.45	111		54.00	142.00
		Dibromofluoromethane	50	229.4	92		54.00	141.00
		Toluene-d8	50	241.15	96		63.00	124.00
		4-Bromofluorobenzene	50	238.85	96		50.00	133.00

### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

					_		LIII	its
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
BSK0922S1	VLCS01	1,2-Dichloroethane-d4	50	54.99	110		54.00	142.00
		Dibromofluoromethane	50	55.14	110		54.00	141.00
		Toluene-d8	50	50.28	101		63.00	124.00
		4-Bromofluorobenzene	50	49.43	99		50.00	133.00
3SK0923S3	VLCS02	1,2-Dichloroethane-d4	50	43.78	88		54.00	142.00
		Dibromofluoromethane	50	49.17	98		54.00	141.00
		Toluene-d8	50	49.15	98		63.00	124.00
		4-Bromofluorobenzene	50	46.58	93		50.00	133.00
VBK0922S1	VBLK01	1,2-Dichloroethane-d4	50	46.14	92		54.00	142.00
		Dibromofluoromethane	50	52.76	106		54.00	141.00
		Toluene-d8	50	49.25	99		63.00	124.00
		4-Bromofluorobenzene	50	45.16	90		50.00	133.00
VBK0923S2	VBLK02	1,2-Dichloroethane-d4	50	48.65	97		54.00	142.00
		Dibromofluoromethane	50	52.14	104		54.00	141.00
		Toluene-d8	50	49.44	99		63.00	124.00
		4-Bromofluorobenzene	50	46.48	93		50.00	133.00
Z4619-02MS	Z4619-02MS	1,2-Dichloroethane-d4	50	47.23	94		54.00	142.00
		Dibromofluoromethane	50	48.5	97		54.00	141.00
		Toluene-d8	50	47.58	95		63.00	124.00
		4-Bromofluorobenzene	50	46.99	94		50.00	133.00
Z4619-02MSD	Z4619-02MSD	1,2-Dichloroethane-d4	50	44.5	89		54.00	142.00
		Dibromofluoromethane	50	49.27	99		54.00	141.00
		Toluene-d8	50	49.08	98		63.00	124.00
		4-Bromofluorobenzene	50	45.86	92		50.00	133.00
Z4621-01	SW-11	1,2-Dichloroethane-d4	50	41.83	84		54.00	142.00
		Dibromofluoromethane	50	48.53	97		54.00	141.00
		Toluene-d8	50	45.07	90		63.00	124.00
		4-Bromofluorobenzene	50	55.38	111		50.00	133.00
Z4621-02	SW-12	1,2-Dichloroethane-d4	50	42.18	84		54.00	142.00
		Dibromofluoromethane	50	53.24	106		54.00	141.00
		Toluene-d8	50	47.27	95		63.00	124.00
		4-Bromofluorobenzene	50	36.16	72		50.00	133.00
Z4621-02RE	SW-12RE	1,2-Dichloroethane-d4	50	82.27		*	54.00	142.00
		Dibromofluoromethane	50	62.99	126		54.00	141.00
		Toluene-d8	50	49.16	98		63.00	124.00
		4-Bromofluorobenzene	50	49.73	99		50.00	133.00
Z4621-16	SW-08	1,2-Dichloroethane-d4	50	41.01	82		54.00	142.00
••		Dibromofluoromethane	50	49.48	99		54.00	141.00
		Toluene-d8	50	47.02	94		63.00	124.00
		4-Bromofluorobenzene	50	40.9	82		50.00	133.00

### Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: Z4621

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID:	SW-19MS									
Z4621-20MS	Methyl tert-butyl Ether	40584	0.0	51000	126			74	149	
	Benzene	40584	0.0	42000	103			83	135	
	Toluene	40584	0.0	42000	103			79	140	
	Ethyl Benzene	40584	0.0	43000	106			82	139	
	m&p-Xylenes	81169	0.0	85000	105			81	143	
	o-Xylene	40584	0.0	42000	103			79	144	
	Isopropylbenzene	40584	0.0	45000	111			80	145	
	n-propylbenzene	40584	0.0	44000	108			74	160	
	1,3,5-Trimethylbenzene	40584	0.0	44000	108			78	151	
	tert-Butylbenzene	40584	0.0	36000	89			75	148	
	1,2,4-Trimethylbenzene	40584	0.0	47000	116			78	148	
	Sec-butylbenzene	40584	0.0	46000	113			81	147	
	p-Isopropyltoluene	40584	0.0	44000	108			75	151	
	n-Butylbenzene	40584	0.0	49000	121			81	154	
	Naphthalene	40584	0.0	31000	76			64	161	
Client Sample ID:	SW-19MSD									
Z4621-21MSD	Methyl tert-butyl Ether	40584	0.0	49000	121	4		74	149	20
	Benzene	40584	0.0	41000	101	2		83	135	21
	Toluene	40584	0.0	40000	99	4		79	140	21
	Ethyl Benzene	40584	0.0	40000	99	7		82	139	20
	m&p-Xylenes	81169	0.0	79000	97	8		81	143	21
	o-Xylene	40584	0.0	41000	101	2		79	144	21
	Isopropylbenzene	40584	0.0	42000	103	7		80	145	20
	n-propylbenzene	40584	0.0	44000	108	0		74	160	20
	1,3,5-Trimethylbenzene	40584	0.0	42000	103	5		78	151	20
	tert-Butylbenzene	40584	0.0	35000	86	3		75	148	20
	1,2,4-Trimethylbenzene	40584	0.0	44000	108	7		78	148	20
	Sec-butylbenzene	40584	0.0	45000	111	2		81	147	20
	p-Isopropyltoluene	40584	0.0	43000	106	2		75	151	20
	n-Butylbenzene	40584	0.0	47000	116	4		81	154	20
	Naphthalene	40584	0.0	36000	89	16		64	161	20

### Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: Z4621

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

Z4619-02MS Methyl tert Benzene Toluene Ethyl Benz m/p-Xylene o-Xylene Isopropylbe N-propylbe	<b>9-02MS</b> -butyl Ether	50					Low	High	
Z4619-02MS Methyl tert Benzene Toluene Ethyl Benz m/p-Xylene o-Xylene Isopropylbe N-propylbe		50							
Toluene Ethyl Benz m/p-Xylene o-Xylene Isopropylbe N-propylbe			0.0	51	102		74	149	
Ethyl Benz m/p-Xylend o-Xylene Isopropylbd N-propylbe		50	0.0	50	100		83	135	
m/p-Xylene o-Xylene Isopropylbe N-propylbe		50	0.0	48	96		79	140	
o-Xylene Isopropylbe N-propylbe	ene	50	0.0	52	104		82	139	
Isopropylbe N-propylbe	es	100	0.0	100	100		81	143	
N-propylbe		50	0.0	51	102		79	144	
	enzene	50	0.0	50	100		80	145	
1.3.5-Trime	enzene	50	0.0	48	96		74	160	
-,-,	ethylbenzene	50	0.0	49	98		78	151	
tert-Butylb	enzene	50	0.0	50	100		75	148	
1,2,4-Trim	ethylbenzene	50	0.0	49	98		78	148	
Sec-butylbe	enzene	50	0.0	49	98		81	147	
p-Isopropy	ltoluene	50	0.0	49	98		75	151	
n-Butylben	zene	50	0.0	48	96		81	154	
Naphthaler	ie	50	0.0	50	100		64	161	
Client Sample ID: Z4619	0-02MSD								
Z4619-02MSD Methyl tert	-butyl Ether	50	0.0	48	96	6	74	149	20
Benzene		50	0.0	51	102	2	83	135	21
Toluene		50	0.0	49	98	2	79	140	21
Ethyl Benz	ene	50	0.0	52	104	0	82	139	20
m/p-Xylene	es	100	0.0	100	100	0	81	143	20
o-Xylene		50	0.0	50	100	2	79	144	20
Isopropylbo	enzene	50	0.0	50	100	0	80	145	20
N-propylbe	enzene	50	0.0	49	98	2	74	160	20
1,3,5-Trim	ethylbenzene	50	0.0	49	98	0	78	151	20
tert-Butylb	enzene	50	0.0	50	100	0	75	148	20
1,2,4-Trime	ethylbenzene	50	0.0	50	100	2	78	148	20
Sec-butylbe	enzene	50	0.0	49	98	0	81	147	20
p-Isopropy	ltoluene	50	0.0	48	96	2	75	151	20
n-Butylben	zene	50	0.0	48	96	0	81	154	20
Naphthaler	ie	50	0.0	46	92	8	64	161	20

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	Limits High	RPD
BSK0922S1	Methyl tert-butyl Ether	20	22	110		74	145	
	Benzene	20	20	100		81	118	
	Toluene	20	20	100		81	115	
	Ethyl Benzene	20	20	100		80	113	
	m/p-Xylenes	40	38	95		80	115	
	o-Xylene	20	19	95		83	115	
	Isopropylbenzene	20	19	95		81	118	
	N-propylbenzene	20	20	100		81	116	
	1,3,5-Trimethylbenzene	20	19	95		81	116	
	tert-Butylbenzene	20	18	90		73	117	
	1,2,4-Trimethylbenzene	20	19	95		82	114	
	Sec-butylbenzene	20	19	95		80	115	
	p-Isopropyltoluene	20	19	95		78	112	
	n-Butylbenzene	20	19	95		75	116	
	Naphthalene	20	19	95		78	122	
BSK0923S3	Methyl tert-butyl Ether	20	20	100		74	145	
	Benzene	20	21	105		81	118	
	Toluene	20	21	105		81	115	
	Ethyl Benzene	20	22	110		80	113	
	m/p-Xylenes	40	44	110		80	115	
	o-Xylene	20	22	110		83	115	
	Isopropylbenzene	20	21	105		81	118	
	N-propylbenzene	20	21	105		81	116	
	1,3,5-Trimethylbenzene	20	21	105		81	116	
	tert-Butylbenzene	20	21	105		73	117	
	1,2,4-Trimethylbenzene	20	21	105		82	114	
	Sec-butylbenzene	20	21	105		80	115	
	p-Isopropyltoluene	20	22	110		78	112	
	n-Butylbenzene	20	22	110		75	116	
	Naphthalene	20	20	100		78	122	

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	Limits High RPD
BSH0923M1	Methyl tert-butyl Ether	2000	2000	100		74	145
	Benzene	2000	2000	100		81	118
	Toluene	2000	1900	95		81	115
	Ethyl Benzene	2000	2100	105		80	113
	m&p-Xylenes	4000	3900	98		80	115
	o-Xylene	2000	2100	105		83	115
	Isopropylbenzene	2000	2100	105		81	118
	n-propylbenzene	2000	2100	105		81	116
	1,3,5-Trimethylbenzene	2000	2000	100		81	116
	tert-Butylbenzene	2000	2100	105		73	117
	1,2,4-Trimethylbenzene	2000	2100	105		82	114
	Sec-butylbenzene	2000	2100	105		80	115
	p-Isopropyltoluene	2000	2000	100		78	112
	n-Butylbenzene	2000	2000	100		75	116
	Naphthalene	2000	1700	85		78	122
BSH0924M1	Methyl tert-butyl Ether	2000	1800	90		74	145
	Benzene	2000	1700	85		81	118
	Toluene	2000	1700	85		81	115
	Ethyl Benzene	2000	1800	90		80	113
	m&p-Xylenes	4000	3600	90		80	115
	o-Xylene	2000	1800	90		83	115
	Isopropylbenzene	2000	1800	90		81	118
	n-propylbenzene	2000	1900	95		81	116
	1,3,5-Trimethylbenzene	2000	1800	90		81	116
	tert-Butylbenzene	2000	1800	90		73	117
	1,2,4-Trimethylbenzene	2000	1800	90		82	114
	Sec-butylbenzene	2000	1800	90		80	115
	p-Isopropyltoluene	2000	1800	90		78	112
	n-Butylbenzene	2000	1800	90		75	116
	Naphthalene	2000	1500	75	*	78	122
BSH0925M1	Methyl tert-butyl Ether	2000	1900	95		74	145
	Benzene	2000	1700	85		81	118
	Toluene	2000	1700	85		81	115
	Ethyl Benzene	2000	1800	90		80	113
	m&p-Xylenes	4000	3600	90		80	115
	o-Xylene	2000	1800	90		83	115
	Isopropylbenzene	2000	1800	90		81	118
	n-propylbenzene	2000	1800	90		81	116
	1,3,5-Trimethylbenzene	2000	1800	90		81	116
	tert-Butylbenzene	2000	1700	85		73	117
	1,2,4-Trimethylbenzene	2000	1800	90		82	114

### Chemtech

## **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: **Z4621** 

**Client:** HRP Associates, Inc.

**Analytical Method:** EPA SW846 8260 - MED

							Limits
Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	High RPD
BSH0925M1	Sec-butylbenzene	2000	1700	85		80	115
	p-Isopropyltoluene	2000	1600	80		78	112
	n-Butylbenzene	2000	1700	85		75	116
	Naphthalene	2000	1400	70	*	78	122

## 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

Lab File ID: VH024051.D Lab Sample ID: VBH0923M1

Date Analyzed: 9/23/2008 Time Analyzed: 10:46

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSH0923M1	VH024052.D	11:24
SW-13	Z4621-03	VH024065.D	18:07
SW-14	Z4621-04	VH024066.D	18:36
SW-18	Z4621-06	VH024067.D	19:04
SW-19	Z4621-07	VH024068.D	19:33
DUPLICATE	Z4621-08	VH024069.D	20:02
SW-01	Z4621-09	VH024070.D	20:30
SW-02	Z4621-10	VH024071.D	20:58
SW-04	Z4621-12	VH024072.D	21:27

COMMENTS:	

Form IV VOA VOC-STARS

EPA SAMPLE NO.

v	BLK01	
•	DLICOL	

Contract: Lab Name: HRPA02 Chemtech Lab Code: SAS No.: Z4621 SDG No.: Z4621 CHEM Case No.: Z4621 Lab Sample ID: Matrix (soil/water): VBH0923M1 SOIL Lab File ID: Sample wt/vol: 5.0 (g/mL) g VH024051.D Level (low/med): Date Received: MED % Moisture: not dec. Date Analyzed: 9/23/08 0 GC Column: RTX-VMS ID: 0.18 Dilution Factor: (mm) 1.0 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	500	U
71-43-2	Benzene	500	υ
108-88-3	Toluene	500	Ū
100-41-4	Ethyl Benzene	500	Ū
126777-61-2	m&p-Xylenes	1000	ט
95-47-6	o-Xylene	500	υ
98-82-8	Isopropylbenzene	500	Ū
103-65-1	n-propylbenzene	500	υ
108-67-8	1,3,5-Trimethylbenzene	500	υ
98-06-6	tert-Butylbenzene	500	υ
95-63-6	1,2,4-Trimethylbenzene	500	Ū
135-98-8	Sec-butylbenzene	500	Ū
99-87-6	p-Isopropyltoluene	500	Ū
104-51-8	n-Butylbenzene	500	Ū
91-20-3	Naphthalene	500	υ

## 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

Lab File ID: VH024090.D Lab Sample ID: VBH0924M1

Date Analyzed: 9/24/2008 Time Analyzed: 12:13

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS02	BSH0924M1	VH024091.D	12:41
SW-17	Z4621-05	VH024100.D	16:59
SW-03	Z4621-11	VH024101.D	17:28
SW-05	Z4621-13	VH024102.D	17:56
SW-06	Z4621-14	VH024103.D	18:24
SW-07	Z4621-15	VH024104.D	18:53
SW-09	Z4621-17	VH024105.D	19:21
SW-19	Z4621-19	VH024107.D	20:18
SW-19MS	Z4621-20MS	VH024108.D	20:47
SW-19MSD	Z4621-21MSD	VH024109.D	21:15

COMMENTS:	

Form IV VOA VOC-STARS

EPA SAMPLE NO.

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	CHEM	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil	/water):	SOIL		Lab Sample ID:	VBH0924M1		_
Sample wt/vo	1: 5.0	(g/mL) g		Lab File ID:	VH024090.	.D	
Level (low/m	ed):	MED		Date Received:		_	
% Moisture:	not dec.	0		Date Analyzed:	9/24/08		
GC Column:	RTX-VMS	ID: 0.18	3 (mm)	Dilution Factor	: 1.	0	
Soil Extract	Volume:	10000		Soil Aliquot Vo	lume:	100 (	uL)

### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	500	Ū
71-43-2	Benzene	500	Ū
108-88-3	Toluene	500	Ū
100-41-4	Ethyl Benzene	500	Ū
126777-61-2	m&p-Xylenes	1000	Ū
95-47-6	o-Xylene	500	Ū
98-82-8	Isopropylbenzene	500	Ū
103-65-1	n-propylbenzene	500	Ū
108-67-8	1,3,5-Trimethylbenzene	500	Ū
98-06-6	tert-Butylbenzene	500	Ū
95-63-6	1,2,4-Trimethylbenzene	500	Ū
135-98-8	Sec-butylbenzene	500	Ū
99-87-6	p-Isopropyltoluene	500	Ū
104-51-8	n-Butylbenzene	500	Ū
91-20-3	Naphthalene	500	υ

## 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH0925M1

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

Lab File ID: VH024116.D Lab Sample ID:

Date Analyzed: 9/25/2008 Time Analyzed: 12:44

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS03	BSH0925M1	VH024118.D	13:41
SW-10	Z4621-18	VH024119.D	14:32

COMMENTS:	

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK03

Lab Name:	Chemtech			Contract:	HRPA0	2	
Lab Code:	СНЕМ	Case No.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/	/water):	SOIL		Lab Sample ID:	VBH0925	M1	
Sample wt/vol	L: 5.0	(g/mL) g	<u> </u>	Lab File ID:	VH02411	L6.D	
Level (low/me	ed):	MED		Date Received:			
% Moisture: n	not dec.	0		Date Analyzed:	9/25/08		
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	: :	1.0	
Soil Extract	Volume:	10000	uL)	Soil Aliquot Vo	lume:	100 (	uL)

### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	500	U
71-43-2	Benzene	500	U
108-88-3	Toluene	500	U
100-41-4	Ethyl Benzene	500	U
126777-61-2	m&p-Xylenes	1000	U
95-47-6	o-Xylene	500	U
98-82-8	Isopropylbenzene	500	U
103-65-1	n-propylbenzene	500	U
108-67-8	1,3,5-Trimethylbenzene	500	U
98-06-6	tert-Butylbenzene	500	U
95-63-6	1,2,4-Trimethylbenzene	500	U
135-98-8	Sec-butylbenzene	500	U
99-87-6	p-Isopropyltoluene	500	Ū
104-51-8	n-Butylbenzene	500	U
91-20-3	Naphthalene	500	υ

## 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01
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Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

Lab File ID: VK028459.D Lab Sample ID: VBK0922S1

Date Analyzed: 9/22/2008 Time Analyzed: 11:01

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSK0922S1	VK028461.D	11:53
Z4619-02MS	Z4619-02MS	VK028468.D	14:57
Z4619-02MSD	Z4619-02MSD	VK028469.D	15:23
SW-12	Z4621-02	VK028472.D	16:40
SW-12RE	Z4621-02RE	VK028474.D	17:32
SW-08	Z4621-16	VK028475.D	17:58

COMMENTS:	

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK01	

Lab Name:	Chemtech				Contract:	HRPA	02	
Lab Code:	СНЕМ	Case No	·.:	Z4621	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil	/water):	S	OIL		Lab Sample ID:	VBK092	2S1	-
Sample wt/vo	1: 5.0	(g/mL)	g	_	Lab File ID:	VK0284	159.D	
Level (low/m	ed):	LOW			Date Received:			
% Moisture:	not dec.	0			Date Analyzed:	9/22/08	3	
GC Column:	RTX-VMS	ID:	0.18	(mm)	Dilution Factor	:	1.0	
Soil Extract	Volume:		(u	L)	Soil Aliquot Vo	lume:	(	uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/K	(g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	5.0	U
71-43-2	Benzene	5.0	U
108-88-3	Toluene	5.0	U
100-41-4	Ethyl Benzene	5.0	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
103-65-1	N-propylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	Sec-butylbenzene	5.0	U
99-87-6	p-Isopropyltoluene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
91-20-3	Naphthalene	5.0	U

## 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

Lab File ID: VK028489.D Lab Sample ID: VBK0923S2

Date Analyzed: 9/23/2008 Time Analyzed: 11:47

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAK

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
SW-11	Z4621-01	VK028491.D	12:39
VLCs02	BSK0923S3	VK028495.D	16:17

COMMENTS:	

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK02

Lab Name:	Chemtech			_	Contract:	HRPA02		
Lab Code:	CHEM	Case No.	: <u>Z46</u>	521	SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil,	/water):	sc	)IL	<u></u>	Lab Sample ID:	<u>VBK0923S2</u>	2	
Sample wt/vol	1: 5.0	(g/mL)	g		Lab File ID:	VK028489	•D	
Level (low/me	ed):	LOW			Date Received:			
% Moisture: r	not dec.	0			Date Analyzed:	9/23/08	_	
GC Column:	RTX-VMS	ID:	0.18	(mm)	Dilution Factor	: 1.	0	
Soil Extract	Volume:		(uL)		Soil Aliquot Vo	lume:	(	uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/K	(g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	5.0	U
71-43-2	Benzene	5.0	U
108-88-3	Toluene	5.0	U
100-41-4	Ethyl Benzene	5.0	U
126777-61-2	m/p-Xylenes	10	U
95-47-6	o-Xylene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
103-65-1	N-propylbenzene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	Sec-butylbenzene	5.0	U
99-87-6	p-Isopropyltoluene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
91-20-3	Naphthalene	5.0	U

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VH024050.D Date Analyzed: 9/23/2008

Instrument ID: MSVOAH Time Analyzed: 10:08

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	586178	3.24	1114689	3.70	1020639	6.89
UPPER LIMIT	1172356	3.74	2229378	4.20	2041278	7.39
LOWER LIMIT	293089	2.74	557345	3.20	510320	6.39
SAMPLE NO.						
VBLK01	667130	3.23	1161414	3.70	1107306	6.89
VLCS01	588949	3.23	1055629	3.70	983038	6.89
SW-13	458056	3.23	871572	3.70	963101	6.89
SW-14	537718	3.23	1058719	3.70	1074426	6.89
SW-18	586106	3.23	1107811	3.70	1087611	6.89
SW-19	559466	3.23	1080763	3.70	1080780	6.89
DUPLICATE	678041	3.24	1272854	3.70	1197255	6.89
SW-01	512632	3.23	1051542	3.70	1125253	6.89
SW-02	516022	3.23	1027512	3.70	1067285	6.89
SW-04	521219	3.23	1043661	3.70	1083862	6.89

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VH024050.D Date Analyzed: 9/23/2008

Instrument ID: MSVOAH Time Analyzed: 10:08

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	479003	9.67		
UPPER LIMIT	958006	10.17		
LOWER LIMIT	239502	9.17		
SAMPLE NO.				
VBLK01	516570	9.67		
VLCS01	460940	9.67		
SW-13	457722	9.68		
SW-14	509970	9.68		
SW-18	525892	9.68		
SW-19	502462	9.68		
DUPLICATE	555843	9.68		
SW-01	496088	9.68		
SW-02	484065	9.68		
SW-04	492026	9.68		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VH024088.D Date Analyzed: 9/24/2008

Instrument ID: MSVOAH Time Analyzed: 11:07

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	630045	3.23	1267949	3.70	1139763	6.89
UPPER LIMIT	1260090	3.73	2535898	4.20	2279526	7.39
LOWER LIMIT	315023	2.73	633975	3.20	569882	6.39
SAMPLE NO.						
VBLK02	594710	3.23	1017711	3.70	1047514	6.89
VLCS02	623259	3.23	1124922	3.70	1037400	6.89
SW-17	790856	3.23	1619547	3.70	1625213	6.89
SW-03	902482	3.23	1828327	3.70	1919427	6.89
SW-05	489106	3.23	944427	3.70	1001048	6.89
SW-06	543868	3.23	1070116	3.70	1099775	6.89
SW-07	472690	3.23	935646	3.70	1018879	6.89
SW-09	484858	3.23	957861	3.69	1003562	6.89
SW-19_	533945	3.24	1046127	3.70	1087762	6.89
SW-19MS	534924	3.24	1074554	3.70	1004473	6.89
SW-19MSD	533950	3.23	1076321	3.70	1040408	6.89

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VH024088.D Date Analyzed: 9/24/2008

Instrument ID: MSVOAH Time Analyzed: 11:07

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	554639	9.67		
UPPER LIMIT	1109278	10.17		
LOWER LIMIT	277320	9.17		
SAMPLE NO.				
VBLK02	488842	9.67		
VLCS02	489299	9.67		
SW-17	807192	9.68		
SW-03	914585	9.68		
SW-05	478378	9.67		
SW-06	513433	9.67		
SW-07	466532	9.67		
SW-09	456299	9.68		
SW-19_	470608	9.68		
SW-19MS	463372	9.68		
SW-19MSD	470568	9.67		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

### 8A

#### VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VH024114.D Date Analyzed: 9/25/2008

Instrument ID: MSVOAH Time Analyzed: 11:41

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	682744	3.23	1336819	3.71	1229085	6.90
UPPER LIMIT	1365488	3.73	2673638	4.21	2458170	7.40
LOWER LIMIT	341372	2.73	668410	3.21	614543	6.40
SAMPLE NO.						
VBLK03	656506	3.24	1204630	3.70	1200719	6.89
VLCS03	659905	3.23	1270608	3.70	1161360	6.89
SW-10	887042	3.23	1463032	3.70	1161242	6.90

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VH024114.D Date Analyzed: 9/25/2008

Instrument ID: MSVOAH Time Analyzed: 11:41

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	572805	9.68		
UPPER LIMIT	1145610	10.18		
LOWER LIMIT	286403	9.18		
SAMPLE NO.				
VBLK03	550874	9.67		
VLCS03	564485	9.67		
sw-10	559002	9.68		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: <u>VK028458.D</u> Date Analyzed: 9/22/2008

Instrument ID: MSVOAK Time Analyzed: 10:23

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	235024	3.21	359239	3.60	430182	6.30
UPPER LIMIT	470048	3.71	718478	4.10	860364	6.80
LOWER LIMIT	117512	2.71	179620	3.10	215091	5.80
SAMPLE NO.						
VBLK01	248678	3.22	360495	3.60	423625	6.30
VLCS01	209404	3.22	317679	3.60	401634	6.30
Z4619-02MS	211466	3.21	304656	3.60	351546	6.30
Z4619-02MSD	238631	3.21	336281	3.60	390803	6.30
SW-12	161134	3.21	212953	3.60	215605	6.30
SW-12RE	74508 *	3.21	125147 *	3.60	163117 *	6.30
SW-08	203274	3.21	302622	3.60	310869	6.30

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VK028458.D Date Analyzed: 9/22/2008

Instrument ID: MSVOAK Time Analyzed: 10:23

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#		
12 HOUR STD	230709	8.63		
UPPER LIMIT	461418	9.13		
LOWER LIMIT	115355	8.13		
SAMPLE NO.				
VBLK01	227757	8.62		
VLCS01	210281	8.62		
Z4619-02MS	190230	8.62		
Z4619-02MSD	208128	8.62		
SW-12	104297 *	8.62		
SW-12RE	83259 *	8.62		
SW-08	117323	8.62		

IS4 = 1,4-Dichlorobenzene-d4

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

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

Contract HRPA02

Lab File ID: <u>VK028487.D</u> Date Analyzed: 9/23/2008

Instrument ID: MSVOAK Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	230422	3.21	329327	3.59	397563	6.30
UPPER LIMIT	460844	3.71	658654	4.09	795126	6.80
LOWER LIMIT	115211	2.71	164664	3.09	198782	5.80
SAMPLE NO.						
VBLK02	229384	3.21	335307	3.59	406655	6.30
SW-11	242673	3.21	362253	3.60	310000	6.30
VLCS02	256874	3.21	359532	3.60	420191	6.30

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Lab Name: Chemtech

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4621 SAS No.: Z4621 SDG No.: Z4621

Lab File ID: VK028487.D Date Analyzed: 9/23/2008

Instrument ID: MSVOAK Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#		
12 HOUR STD	208347	8.62		
UPPER LIMIT	416694	9.12		
LOWER LIMIT	104174	8.12		
SAMPLE NO.				
VBLK02	224641	8.62		
SW-11	116012	8.62		
VLCS02	228432	8.62		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

EPA SAMPLE NO.

Lab Code: CHEM	Lab Name: Chemtech Co	onsulting Group Contract	t: HRPA02
Sample wt/vol: 30.0 (g/mL) g	Lab Code: CHEM	Case No.: Z4621 SAS No.:	Z4621 SDG No.: Z4621
Date Received: 9/20/2008	Matrix (soil/water):	SOIL Lab Samp	ple ID: Z4621-01
* Moisture: 18	Sample wt/vol: 30.0	) (g/mL) g Lab File	BE051435.D
Concentrated Extract Volume: 1.0	Level: (low/med)	Date Rec	
Concentrated Extract Volume: 1.0	% Moisture: 18	Decanted: (Y/N) N Date Ext	 tracted: 9/23/2008
Trajection Volume:   1.0   Dilution Factor:   5.0   SOXH	<del></del>	<u> </u>	<del></del>
CAS NO.   COMPOUND			<u> </u>
CAS NO.   COMPOUND   (ug/L or ug/Kg)   ug/Kg   Q	-		<u> </u>
CAS NO.   COMPOUND   (ug/L or ug/Kg)   ug/Kg   Q	GPC Cleanup: (Y/N)	<del></del>	
108-95-2	CAC NO		
111-44-4   bis(2-Chloroethyl)ether   2000   U   95-57-8   2-Chlorophenol   2000   U   100-51-6   Benzyl Alcohol   2000   U   100-51-6   Benzyl Alcohol   2000   U   108-60-1   2,2-oxybis(1-Chloropropane)   2000   U   108-60-1   2,2-oxybis(1-Chloropropane)   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-60-1   Exachloroethane   2000   U   106-60-1   Exachloroethane   2000   U   106-60-1   Exachloroethane   2000   U   106-60-1   Exachloroethane   2000   U   106-60-1   Exachloroethane   2000   U   106-60-1   Exachloroethane   2000   U   105-67-9   2,4-Dimethylphenol   2000   U   105-67-9   2,4-Dimethylphenol   2000   U   110-91-1   bis(2-Chloroethoxy)methane   2000   U   120-83-2   2,4-Dichlorophenol   2000   U   106-47-8   4-Chloroaniline   2000   U   106-47-8   4-Chloroaniline   2000   U   106-47-8   4-Chloroaniline   2000   U   106-47-8   4-Chloroaniline   2000   U   106-47-4   Hexachlorobutadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Exachlorophenol   2000   U   107-47-4   Exachlorophenol   2000   U   107-47-4   Exachlorophenol   2000   U   107-47-4   Exachlorophenol   2000   U   107-47-4   Exachlorophenol   2000   U   107-47-4   Exachlorophenol   2000   U   107-47-4   Exachlorophenol   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chloronaphthalene   2000   U   107-47-4   2-Chl			
95-57-8   2-Chlorophenol   2000   U   100-51-6   Benzyl Alcohol   2000   U   95-48-7   2-Methylphenol   2000   U   106-60-1   2,2-oxybis(1-Chloropropane)   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-61-72-1   Hexachloroethane   2000   U   106-95-3   Nitrobenzene   2000   U   105-67-9   2,4-Dimethylphenol   2000   U   105-67-9   2,4-Dimethylphenol   2000   U   105-67-9   2,4-Dimethylphenol   2000   U   105-67-9   2,4-Dimethylphenol   2000   U   100-83-2   2,4-Dichloroethoxy)methane   2000   U   106-47-8   4-Chloroethoxylmethane   2000   U   106-47-8   4-Chloroethoxylmethane   2000   U   106-47-8   4-Chloroethoxylmethane   2000   U   106-47-8   4-Chloro-3-methylphenol   2000   U   106-47-6   2-Methylnaphthalene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-4   107-47-4   Hexachlorocyclopentadiene   2000   U   107-47-47-4   107-47-			
100-51-6   Benzyl Alcohol   2000   U   95-48-7   2-Methylphenol   2000   U   108-60-1   2,2-oxybis(1-Chloropropane)   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-44-5   3+4-Methylphenols   2000   U   106-44-5   M-Nitroso-di-n-propylamine   2000   U   106-7-2-1   Hexachloroethane   2000   U   106-7-2-1   Hexachloroethane   2000   U   106-7-2-1   Isophorone   2000   U   106-7-2-1   Isophorone   2000   U   106-67-9   2,4-Dimethylphenol   2000   U   105-67-9   2,4-Dimethylphenol   2000   U   111-91-1   bis(2-Chloroethoxy)methane   2000   U   111-91-1   bis(2-Chloroethoxy)methane   2000   U   106-83-2   2,4-Dichlorophenol   2000   U   106-85-0   Benzoic acid   2000   U   106-47-8   4-Chloroaniline   2000   U   106-47-8   4-Chloroaniline   2000   U   106-47-8   4-Chloroaniline   2000   U   106-47-8   4-Chloro-3-methylphenol   2000   U   106-47-4   Hexachlorobytadiene   2000   U   106-57-6   2-Methylnaphthalene   2000   U   106-			
95-48-7         2-Methylphenol         2000         U           108-60-1         2,2-oxybis(1-Chloropropane)         2000         U           106-44-5         3+4-Methylphenols         2000         U           621-64-7         N-Nitroso-di-n-propylamine         2000         U           67-72-1         Hexachloroethane         2000         U           98-95-3         Nitrobenzene         2000         U           88-75-5         2-Nitrophenol         2000         U           105-67-9         2,4-Dimethylphenol         2000         U           111-91-1         bis(2-Chloroethoxy)methane         2000         U           120-83-2         2,4-Dichlorophenol         2000         U           120-83-2         2,4-Dichlorophenol         2000         U           91-20-3         Naphthalene         2000         U           106-47-8         4-Chloroaniline         2000         U           87-68-3         Hexachlorobutadiene         2000         U           95-50-7         4-Chloro-3-methylphenol         2000         U           91-57-6         2-Methylnaphthalene         2000         U           88-06-2         2,4,6-Trichlorophenol         500			2000 U
108-60-1       2,2-oxybis(1-Chloropropane)       2000       U         106-44-5       3+4-Methylphenols       2000       U         621-64-7       N-Nitroso-di-n-propylamine       2000       U         67-72-1       Hexachloroethane       2000       U         98-95-3       Nitrobenzene       2000       U         78-59-1       Isophorone       2000       U         88-75-5       2-Nitrophenol       2000       U         105-67-9       2,4-Dimethylphenol       2000       U         1120-83-2       2,4-Dichloroethoxy)methane       2000       U         120-83-2       2,4-Dichlorophenol       2000       U         65-85-0       Benzoic acid       2000       U         91-20-3       Naphthalene       2000       U         87-68-3       Hexachlorobutadiene       2000       U         87-68-3       Hexachlorobutadiene       2000       U         91-57-6       2-Methylnaphthalene       2000       U         95-50-7       4-Chloro-3-methylphenol       2000       U         95-95-4       2,4,5-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U			2000 U
106-44-5	95-48-7	2-Methylphenol	2000 U
621-64-7         N-Nitroso-di-n-propylamine         2000         U           67-72-1         Hexachloroethane         2000         U           98-95-3         Nitrobenzene         2000         U           78-59-1         Isophorone         2000         U           88-75-5         2-Nitrophenol         2000         U           105-67-9         2,4-Dimethylphenol         2000         U           111-91-1         bis(2-Chloroethoxy)methane         2000         U           120-83-2         2,4-Dichlorophenol         2000         U           91-20-3         Naphthalene         2000         U           106-47-8         4-Chloroaniline         2000         U           87-68-3         Hexachlorobutadiene         2000         U           91-57-6         2-Methylnaphthalene         2000         U           91-57-6         2-Methylnaphthalene         2000         U           88-06-2         2,4,6-Trichlorophenol         2000         U           95-95-4         2,4,5-Trichlorophenol         5100         U           91-58-7         2-Chloronaphthalene         2000         U           88-74-4         2-Nitroaniline         5100         U	108-60-1	2,2-oxybis(1-Chloropropane)	2000 U
67-72-1 Hexachloroethane 2000 U 98-95-3 Nitrobenzene 2000 U 78-59-1 Isophorone 2000 U 88-75-5 2-Nitrophenol 2000 U 105-67-9 2,4-Dimethylphenol 2000 U 111-91-1 bis(2-Chloroethoxy)methane 2000 U 120-83-2 2,4-Dichlorophenol 2000 U 65-85-0 Benzoic acid 2000 U 91-20-3 Naphthalene 2000 U 106-47-8 4-Chloroaniline 2000 U 87-68-3 Hexachlorobutadiene 2000 U 91-57-6 2-Methylnaphthalene 2000 U 91-57-6 2-Methylnaphthalene 2000 U 91-57-6 2-Methylnaphthalene 2000 U 88-06-2 2,4,6-Trichlorophenol 2000 U 95-95-4 2,4,5-Trichlorophenol 5100 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 2000 U 91-58-7 2-Chloronaphthalene 310 U 91-58-7 2-Chloronaphthalene 310 J 91-58-96-8 Acenaphthylene 310 J 91-90-92 3-Nitroaniline 5100 U 91-90-92 3-Nitroaniline 5100 U 91-90-92 3-Nitroaniline 5100 U 91-90-92 3-Nitroaniline 5100 U	106-44-5	3+4-Methylphenols	2000 U
98-95-3         Nitrobenzene         2000         U           78-59-1         Isophorone         2000         U           88-75-5         2-Nitrophenol         2000         U           105-67-9         2,4-Dimethylphenol         2000         U           111-91-1         bis(2-Chloroethoxy)methane         2000         U           120-83-2         2,4-Dichlorophenol         2000         U           65-85-0         Benzoic acid         2000         U           91-20-3         Naphthalene         2000         U           106-47-8         4-Chloroaniline         2000         U           87-68-3         Hexachlorobutadiene         2000         U           91-57-6         2-Methylnaphthalene         2000         U           91-57-6         2-Methylnaphthalene         2000         U           88-06-2         2,4,6-Trichlorophenol         2000         U           95-95-4         2,4,5-Trichlorophenol         5100         U           91-58-7         2-Chloronaphthalene         2000         U           88-74-4         2-Nitroaniline         5100         U           131-11-3         Dimethylphthalate         2000         U	621-64-7	N-Nitroso-di-n-propylamine	2000 U
78-59-1         Isophorone         2000         U           88-75-5         2-Nitrophenol         2000         U           105-67-9         2,4-Dimethylphenol         2000         U           111-91-1         bis(2-Chloroethoxy)methane         2000         U           120-83-2         2,4-Dichlorophenol         2000         U           65-85-0         Benzoic acid         2000         U           91-20-3         Naphthalene         2000         U           106-47-8         4-Chloroaniline         2000         U           87-68-3         Hexachlorobutadiene         2000         U           87-50-7         4-Chloro-3-methylphenol         2000         U           91-57-6         2-Methylnaphthalene         2000         U           88-06-2         2,4,6-Trichlorophenol         2000         U           88-06-2         2,4,5-Trichlorophenol         5100         U           91-58-7         2-Chloronaphthalene         2000         U           88-74-4         2-Nitroaniline         5100         U           131-11-3         Dimethylphthalate         2000         U           208-96-8         Acenaphthylene         310         J <td>67-72-1</td> <td>Hexachloroethane</td> <td>2000 U</td>	67-72-1	Hexachloroethane	2000 U
88-75-5       2-Nitrophenol       2000       U         105-67-9       2,4-Dimethylphenol       2000       U         111-91-1       bis(2-Chloroethoxy)methane       2000       U         120-83-2       2,4-Dichlorophenol       2000       U         65-85-0       Benzoic acid       2000       U         91-20-3       Naphthalene       2000       U         106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U	98-95-3	Nitrobenzene	2000 U
105-67-9       2,4-Dimethylphenol       2000       U         111-91-1       bis(2-Chloroethoxy)methane       2000       U         120-83-2       2,4-Dichlorophenol       2000       U         65-85-0       Benzoic acid       2000       U         91-20-3       Naphthalene       2000       U         106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         88-06-2       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         83-32-9       Acenaphthene       940       J	78-59-1	Isophorone	2000 U
105-67-9       2,4-Dimethylphenol       2000       U         111-91-1       bis(2-Chloroethoxy)methane       2000       U         120-83-2       2,4-Dichlorophenol       2000       U         65-85-0       Benzoic acid       2000       U         91-20-3       Naphthalene       2000       U         106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         83-32-9       Acenaphthene       940       J <td>88-75-5</td> <td>2-Nitrophenol</td> <td>2000 U</td>	88-75-5	2-Nitrophenol	2000 U
111-91-1       bis(2-Chloroethoxy)methane       2000       U         120-83-2       2,4-Dichlorophenol       2000       U         65-85-0       Benzoic acid       2000       U         91-20-3       Naphthalene       2000       U         106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         83-32-9       Acenaphthene       940       J	105-67-9		2000 U
120-83-2       2,4-Dichlorophenol       2000       U         65-85-0       Benzoic acid       2000       U         91-20-3       Naphthalene       2000       U         106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         83-32-9       Acenaphthene       940       J			
65-85-0       Benzoic acid       2000       U         91-20-3       Naphthalene       2000       U         106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			<del></del>
91-20-3       Naphthalene       2000       U         106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			<del> </del>
106-47-8       4-Chloroaniline       2000       U         87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			
87-68-3       Hexachlorobutadiene       2000       U         59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			
59-50-7       4-Chloro-3-methylphenol       2000       U         91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			
91-57-6       2-Methylnaphthalene       2000       U         77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			
77-47-4       Hexachlorocyclopentadiene       2000       U         88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			<del>:</del>
88-06-2       2,4,6-Trichlorophenol       2000       U         95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			
95-95-4       2,4,5-Trichlorophenol       5100       U         91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			<del></del>
91-58-7       2-Chloronaphthalene       2000       U         88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			
88-74-4       2-Nitroaniline       5100       U         131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J		_	<del>-</del>
131-11-3       Dimethylphthalate       2000       U         208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			<del>-</del>
208-96-8       Acenaphthylene       310       J         606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J			
606-20-2       2,6-Dinitrotoluene       2000       U         99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J	131-11-3		2000 U
99-09-2       3-Nitroaniline       5100       U         83-32-9       Acenaphthene       940       J		Acenaphthylene	310 J
83-32-9 Acenaphthene 940 J	606-20-2	2,6-Dinitrotoluene	2000 U
	99-09-2	3-Nitroaniline	5100 U
51-28-5 2,4-Dinitrophenol 5100 U	83-32-9	Acenaphthene	940 J
	51-28-5	2,4-Dinitrophenol	5100 U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Conti	act: HRPA02		
Lab Code: CHEM	Case No.: Z4621 SAS No.	: Z4621	SDG No.:	Z4621
Matrix (soil/water):	SOIL Lab S	Sample ID: Z	4621-01	
Sample wt/vol: 30.0	) (g/mL) g Lab I	File ID: B	E051435.D	
Level: (low/med)	Date	Received:	9/20/2008	_
% Moisture: 18	Decanted: (Y/N) N Date	Extracted:	9/23/2008	
Concentrated Extract Vo	<del></del>	Analyzed:	9/25/2008	
		_		
Injection Volume:	1.0 Dilut	ion Factor:	5.0	_
GPC Cleanup: (Y/N)	<del></del>	action: (Type)		<u> </u>
GNG NO		ENTRATION UNI		•
CAS NO.	COMPOUND (ug	/L or ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol		5100	U
132-64-9	Dibenzofuran		680	J
121-14-2	2,4-Dinitrotoluene		2000	U
84-66-2	Diethylphthalate		2000	U
7005-72-3	4-Chlorophenyl-phenylether		2000	U
86-73-7	Fluorene		1600	J
100-01-6	4-Nitroaniline		5100	U
534-52-1	4,6-Dinitro-2-methylphenol		5100	U
86-30-6	N-Nitrosodiphenylamine		2000	U
103-33-3	Azobenzene		2000	U
101-55-3	4-Bromophenyl-phenylether		2000	U
118-74-1	Hexachlorobenzene		2000	U
87-86-5	Pentachlorophenol		5100	U
85-01-8	Phenanthrene		4600	
120-12-7	Anthracene		300	J
84-74-2	Di-n-butylphthalate		2000	U
206-44-0	Fluoranthene		1200	J
129-00-0	Pyrene		910	J
85-68-7	Butylbenzylphthalate		2000	U
91-94-1	3,3-Dichlorobenzidine		2000	U
56-55-3	Benzo(a)anthracene		340	J
218-01-9	Chrysene		390	J
117-81-7	bis(2-Ethylhexyl)phthalate		2000	U
117-84-0	Di-n-octyl phthalate		2000	U
205-99-2	Benzo(b)fluoranthene		480	J
207-08-9	Benzo(k)fluoranthene		2000	U
50-32-8	Benzo(a)pyrene		300	J
193-39-5	Indeno(1,2,3-cd)pyrene		240	J
53-70-3	Dibenz(a,h)anthracene		2000	U
191-24-2	Benzo(g,h,i)perylene		240	J

EPA SAMPLE NO.

b Code: CHEM	Case No.: Z4621 SAS No	.: Z4621	SDG No.	: Z4621
trix (soil/water):	- <u></u> SOIL Lab	Sample ID:	Z4621-02	-
mple wt/vol: 30.	1 (g/mL) g Lab	File ID:	BE051428.D	
vel: (low/med)	<u> </u>	e Received:	9/20/2008	_
Moisture: 22		e Extracted:		_
	<del></del>			_
ncentrated Extract Vo		e Analyzed:	9/24/2008	_
jection Volume:	1.0 Dil	ution Factor	1.0	_
C Cleanup: (Y/N)	N pH: N/A Ext	raction: (Ty	pe) SOXH	
		NCENTRATION		
CAS NO.	COMPOUND (u	g/L or ug/K	g) ug/Kg	Q
108-95-2	Phenol		420	Ŭ
111-44-4	bis(2-Chloroethyl)ether		420	U
95-57-8	2-Chlorophenol		420	U
100-51-6	Benzyl Alcohol		420	U
95-48-7	2-Methylphenol		420	U
108-60-1	2,2-oxybis(1-Chloropropane)		420	U
106-44-5	3+4-Methylphenols		420	U
621-64-7	N-Nitroso-di-n-propylamine		420	U
67-72-1	Hexachloroethane		420	U
98-95-3	Nitrobenzene		420	U
78-59-1	Isophorone		420	U
88-75-5	2-Nitrophenol		420	U
105-67-9	2,4-Dimethylphenol		420	U
111-91-1	bis(2-Chloroethoxy)methane		420	U
120-83-2	2,4-Dichlorophenol		420	U
65-85-0	Benzoic acid		420	U
91-20-3	Naphthalene		50	J
106-47-8	4-Chloroaniline		420	U
87-68-3	Hexachlorobutadiene		420	U
59-50-7	4-Chloro-3-methylphenol		420	U
91-57-6	2-Methylnaphthalene		53	J
77-47-4	Hexachlorocyclopentadiene		420	Ŭ
88-06-2	2,4,6-Trichlorophenol		420	U
95-95-4	2,4,5-Trichlorophenol		1100	Ū
91-58-7	2-Chloronaphthalene		420	Ū
88-74-4	2-Nitroaniline		1100	Ū
131-11-3	Dimethylphthalate		420	Ŭ
208-96-8	Acenaphthylene		420	U
606-20-2	2,6-Dinitrotoluene		420	υ
99-09-2	3-Nitroaniline		1100	Ŭ
83-32-9	Acenaphthene		420	U
51-28-5	2,4-Dinitrophenol		1100	υ

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Con	tract: HRPA02		
Lab Code: CHEM	Case No.: Z4621 SAS No.	o.: Z4621	SDG No.:	Z4621
Matrix (soil/water):	SOIL Lab	Sample ID: Z	4621-02	
Sample wt/vol: 30.1	L (g/mL) g Lab	File ID: B	E051428.D	
Level: (low/med)		e Received:	9/20/2008	_
% Moisture: 22	Decanted: (Y/N) N Dat	e Extracted:	9/23/2008	
Concentrated Extract Vo	<del>_</del>	e Analyzed:	9/24/2008	
Injection Volume:		ution Factor:	1.0	
-				_
GPC Cleanup: (Y/N)		raction: (Type)		_
CAS NO.		NCENTRATION UNI		0
	<u> </u>	ug/L or ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol		1100	U
132-64-9	Dibenzofuran		420	U
121-14-2	2,4-Dinitrotoluene		420	U
84-66-2	Diethylphthalate		420	U
7005-72-3	4-Chlorophenyl-phenylether		420	U
86-73-7	Fluorene		420	U
100-01-6	4-Nitroaniline		1100	U
534-52-1	4,6-Dinitro-2-methylphenol		1100	U
86-30-6	N-Nitrosodiphenylamine		420	U
103-33-3	Azobenzene		420	U
101-55-3	4-Bromophenyl-phenylether		420	U
118-74-1	Hexachlorobenzene		420	U
87-86-5	Pentachlorophenol		1100	U
85-01-8	Phenanthrene		110	J
120-12-7	Anthracene		420	U
84-74-2	Di-n-butylphthalate		420	U
206-44-0	Fluoranthene		130	J
129-00-0	Pyrene		120	J
85-68-7	Butylbenzylphthalate		420	U
91-94-1	3,3-Dichlorobenzidine		420	U
56-55-3	Benzo(a)anthracene		87	J
218-01-9	Chrysene		120	J
117-81-7	bis(2-Ethylhexyl)phthalate		420	U
117-84-0	Di-n-octyl phthalate		420	U
205-99-2	Benzo(b)fluoranthene		150	J
207-08-9	Benzo(k)fluoranthene		420	U
50-32-8	Benzo(a)pyrene		78	J
193-39-5	<pre>Indeno(1,2,3-cd)pyrene</pre>		73	J
53-70-3	Dibenz(a,h)anthracene		420	U
191-24-2	Benzo(g,h,i)perylene		67	J

EPA SAMPLE NO.

b Name: <u>Chemtech</u>	Consulting Group	Contract: HRPA	.02	
b Code: CHEM	Case No.: <u>Z4621</u> SF	AS No.: <u>Z4621</u>	SDG No	.: <u>Z4621</u>
trix (soil/water):	SOIL	Lab Sample ID:	Z4621-03	
mple wt/vol: 30	.1 (g/mL) g	Lab File ID:	BE051430.D	
vel: (low/med)	<del></del>	Date Received:	9/20/2008	<del></del>
Moisture: 22	Decanted: (Y/N) N	Date Extracted:	9/23/2008	_
<u></u>				
ncentrated Extract N	70lume: 1000 (uL)	Date Analyzed:	9/24/2008	<del>-</del>
jection Volume:	1.0	Dilution Factor	: 1.0	
C Cleanup: (Y/N)	N pH: N/A	Extraction: (Ty	pe) SOXH	
	<u> </u>	CONCENTRATION 1	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	n) ug/Kg	Q
108-95-2	Phenol		420	U
111-44-4	bis(2-Chloroethyl)ether		420	Ū
95-57-8	2-Chlorophenol		420	υ
100-51-6	Benzyl Alcohol		420	υ
95-48-7	2-Methylphenol		420	Ū
108-60-1	2,2-oxybis(1-Chloropropa	ne)	420	U
106-44-5	3+4-Methylphenols	·	420	Ū
621-64-7	N-Nitroso-di-n-propylamin	ne	420	Ū
67-72-1	Hexachloroethane		420	U
98-95-3	Nitrobenzene		420	Ū
78-59-1	Isophorone		420	Ū
88-75-5	2-Nitrophenol		420	Ū
105-67-9	2,4-Dimethylphenol		74	J
111-91-1	bis(2-Chloroethoxy)methan	ne	420	Ū
120-83-2	2,4-Dichlorophenol		420	Ū
65-85-0	Benzoic acid		420	Ū
91-20-3	Naphthalene		420	Ū
106-47-8	4-Chloroaniline		420	Ū
87-68-3	Hexachlorobutadiene		420	Ū
59-50-7	4-Chloro-3-methylphenol		420	υ
91-57-6	2-Methylnaphthalene	<u> </u>	420	Ū
77-47-4	Z-methyrnaphthalene   Hexachlorocyclopentadiene	<u> </u>	420	Ū
88-06-2	2,4,6-Trichlorophenol	=   	420	Ū
95-95-4 91-58-7	2,4,5-Trichlorophenol		1100	U
	2-Chloronaphthalene 2-Nitroaniline		420	U
88-74-4			1100	Ŭ
131-11-3	Dimethylphthalate		420	Ŭ -
208-96-8	Acenaphthylene		120	J
606-20-2	2,6-Dinitrotoluene		420	Ŭ
99-09-2	3-Nitroaniline		1100	<u>U</u>
83-32-9	Acenaphthene		130	J
51-28-5	2,4-Dinitrophenol		1100	U

EPA SAMPLE NO.

Lab Name: Chemtech Co	nsulting Group	Contract	: HRPA02		
Lab Code: CHEM	Case No.: <u>Z4621</u> S.	AS No.:	Z4621	SDG No.:	Z4621
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sampl	Le ID: <u>Z462</u>	1-03	
Sample wt/vol: 30.1	. (g/mL) g	Lab File	ID: BE05	1430.D	_
Level: (low/med)	<del>_</del>	Date Rec	eived: 9	/20/2008	_
% Moisture: 22	Decanted: (Y/N) N	Date Ext	racted: 9	/23/2008	
Concentrated Extract Vol	lume: 1000 (uL)	Date Ana	lyzed:	/24/2008	
Injection Volume:	1.0	Dilution	Factor:	1.0	_
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type)	SOXH	
	<del></del>	CONCENT	RATION UNITS:		_
CAS NO.	COMPOUND	(ug/L c	or ug/Kg) ug	r/Kg	Q
100-02-7	4-Nitrophenol			1100	U
132-64-9	Dibenzofuran			64	J
121-14-2	2,4-Dinitrotoluene			420	U
84-66-2	Diethylphthalate			420	U
7005-72-3	4-Chlorophenyl-phenyleth	er		420	U
86-73-7	Fluorene			160	J
100-01-6	4-Nitroaniline			1100	U
534-52-1	4,6-Dinitro-2-methylphen	ol		1100	U
86-30-6	N-Nitrosodiphenylamine			420	U
103-33-3	Azobenzene			420	U
101-55-3	4-Bromophenyl-phenylethe	r		420	U
118-74-1	Hexachlorobenzene			420	U
87-86-5	Pentachlorophenol			1100	U
85-01-8	Phenanthrene			210	J
120-12-7	Anthracene			110	J
84-74-2	Di-n-butylphthalate			420	U
206-44-0	Fluoranthene			1100	
129-00-0	Pyrene			1000	
85-68-7	Butylbenzylphthalate			420	U
91-94-1	3,3-Dichlorobenzidine			420	U
56-55-3	Benzo(a)anthracene			660	
218-01-9	Chrysene			750	
117-81-7	bis(2-Ethylhexyl)phthala	te		420	U
117-84-0	Di-n-octyl phthalate			420	U
205-99-2	Benzo(b)fluoranthene			940	
207-08-9	Benzo(k)fluoranthene			280	J
50-32-8	Benzo(a)pyrene			470	
193-39-5	Indeno(1,2,3-cd)pyrene			360	J
53-70-3	Dibenz(a,h)anthracene			120	J
191-24-2	Benzo(g,h,i)perylene			270	J

EPA SAMPLE NO.

Lab Name: Chemtech Consulting Group Contract: HRPA02						
Lab Code: CHEM	Case No.: Z4621 SAS No.	: Z4621	SDG No.:	Z4621		
Matrix (soil/water):	SOIL Lab	Sample ID:	Z4621-04			
Sample wt/vol: 30.1	L (g/mL) g Lab	File ID:	BE051418.D			
Level: (low/med)	Date	Received:	9/20/2008	_		
% Moisture: 14	Decanted: (Y/N) N Date	Extracted:	9/23/2008			
Concentrated Extract Vo	<u> </u>	Analyzed:	9/24/2008			
		_				
Injection Volume:		tion Factor:	1.0	_		
GPC Cleanup: (Y/N)	<del></del>	action: (Type				
CAC NO		CENTRATION U		0		
CAS NO.		/L or ug/Kg)	ug/Kg	Q 		
108-95-2	Phenol		380	Ū		
111-44-4	bis(2-Chloroethyl)ether		380	υ		
95-57-8	2-Chlorophenol		380	U		
100-51-6	Benzyl Alcohol		380	υ		
95-48-7	2-Methylphenol		380	υ		
108-60-1	2,2-oxybis(1-Chloropropane)		380	υ		
106-44-5	3+4-Methylphenols		380	υ		
621-64-7	N-Nitroso-di-n-propylamine		380	υ		
67-72-1	Hexachloroethane		380	U		
98-95-3	Nitrobenzene		380	U		
78-59-1	Isophorone		380	Ū		
88-75-5	2-Nitrophenol		380	Ū		
105-67-9	2,4-Dimethylphenol		380	Ū		
111-91-1	bis(2-Chloroethoxy)methane		380	U		
120-83-2	2,4-Dichlorophenol		380	Ū		
65-85-0	Benzoic acid		380	Ū		
			<del>-</del>			
91-20-3	Naphthalene		380	<u>U</u>		
106-47-8	4-Chloroaniline		380	Ŭ		
87-68-3	Hexachlorobutadiene		380	Ŭ		
59-50-7	4-Chloro-3-methylphenol		380	Ŭ		
91-57-6	2-Methylnaphthalene		380	Ŭ		
77-47-4	Hexachlorocyclopentadiene		380	U		
88-06-2	2,4,6-Trichlorophenol		380	Ū		
95-95-4	2,4,5-Trichlorophenol		960	U		
91-58-7	2-Chloronaphthalene		380	U		
88-74-4	2-Nitroaniline		960	U		
131-11-3	Dimethylphthalate		380	Ū		
208-96-8	Acenaphthylene		630			
606-20-2	2,6-Dinitrotoluene		380	U		
99-09-2	3-Nitroaniline		960	U		
83-32-9	Acenaphthene		1800			
51-28-5	2,4-Dinitrophenol	I I	960	U		

EPA SAMPLE NO.

Lab Name: Chemtech Consulting Group Contract: HRPA02							
Lab Code: CHEM	Case No.: Z4621 SAS	5 No.: <u>Z46</u>	21 SDG	No.: <u>Z4621</u>			
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sample I	D: <u>Z4621-04</u>				
Sample wt/vol: 30.1	(g/mL) g	Lab File ID:	BE051418.I	)			
Level: (low/med)	<del></del>	Date Receive	d: 9/20/20	008			
% Moisture: 14	Decanted: (Y/N) N	Date Extract	ed: 9/23/20	008			
Concentrated Extract Volume	<u> </u>	Date Analyze					
Injection Volume:		Dilution Fac					
-		_					
GPC Cleanup: (Y/N)	N pH: N/A	Extraction:					
CAS NO.	COMPOUND	CONCENTRATI		0			
	COMPOUND	(ug/L or ug		Q			
<u> </u>	4-Nitrophenol		960	Ŭ			
132-64-9 D	Dibenzofuran		1300				
121-14-2	2,4-Dinitrotoluene		380	U			
84-66-2 D	Diethylphthalate		380	U			
7005-72-3 4	4-Chlorophenyl-phenylethe	r	380	U			
86-73-7 F	Fluorene		3000	E			
100-01-6	4-Nitroaniline		960	Ū			
534-52-1 4	4,6-Dinitro-2-methylpheno	1	960	U			
	N-Nitrosodiphenylamine		380	Ū			
	Azobenzene		380	Ū			
	4-Bromophenyl-phenylether		380	Ū			
:	Hexachlorobenzene		380	Ū			
	Pentachlorophenol		960	T T			
	Phenanthrene		9100	E			
	Anthracene		800				
	Di-n-butylphthalate		380	U			
	Fluoranthene		650				
	Pyrene		790				
-	Butylbenzylphthalate		380	<u>U</u>			
	3,3-Dichlorobenzidine		380	Ŭ			
<u> </u>	Benzo(a)anthracene		95	J			
	Chrysene		120	J			
	bis(2-Ethylhexyl)phthalate	е	380	Ŭ			
117-84-0 D	Di-n-octyl phthalate		380	U			
	Benzo(b)fluoranthene		72	J			
207-08-9 E	Benzo(k)fluoranthene		380	Ŭ			
50-32-8 B	Benzo(a)pyrene		43	J			
193-39-5	Indeno(1,2,3-cd)pyrene		380	U			
53-70-3 E	Dibenz(a,h)anthracene		380	U			
191-24-2 B	Benzo(g,h,i)perylene		380	Ū			

EPA SAMPLE NO.

SW-14DL

	onsulting Group	Contract:	HRPAUZ	ı	
Code: CHEM	Case No.: <u>Z4621</u> SA	AS No.:	Z4621	SDG No	Z4621
rix (soil/water):	SOIL	Lab Sample	e ID: Z	4621-04DL	
ple wt/vol: 30.1	L (g/mL) g	Lab File	ID: E	E051447.D	
el: (low/med)	<del></del>	Date Rece	ived:	9/20/200	8
oisture: 14	Decanted: (Y/N) N	Date Extr	acted.	9/23/200	
<del> </del>					
centrated Extract Vo	lume: 1000 (uL)	Date Anal	yzed:	9/25/200	8
ection Volume:	1.0	Dilution :	Factor:	5.0	
Cleanup: (Y/N)	N pH: N/A	Extraction	n: (Type	) ѕохн	
	<del></del>	CONCENTR	ATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or	ug/Kg)	ug/Kg	Q
108-95-2	Phenol			1900	UD
111-44-4	bis(2-Chloroethyl)ether			1900	UD
95-57-8	2-Chlorophenol			1900	UD
100-51-6	Benzyl Alcohol			1900	UD
95-48-7	2-Methylphenol			1900	UD
108-60-1	2,2-oxybis(1-Chloropropa	ne)		1900	UD
106-44-5	3+4-Methylphenols			1900	UD
621-64-7	N-Nitroso-di-n-propylami	ne		1900	UD
67-72-1	Hexachloroethane			1900	UD
98-95-3	Nitrobenzene			1900	UD
78-59-1	Isophorone			1900	UD
88-75-5	2-Nitrophenol	+		1900	UD
105-67-9	2,4-Dimethylphenol	+		1900	UD
111-91-1	bis(2-Chloroethoxy)methan	ne		1900	UD
120-83-2	2,4-Dichlorophenol	+		1900	UD
65-85-0	Benzoic acid			1900	UD
91-20-3	Naphthalene			1900	UD
106-47-8	4-Chloroaniline			1900	UD
87-68-3	Hexachlorobutadiene			1900	UD
59-50-7	4-Chloro-3-methylphenol			1900	UD
91-57-6	2-Methylnaphthalene			1900	UD
77-47-4	Hexachlorocyclopentadiene			1900	UD
88-06-2	2,4,6-Trichlorophenol	<u> </u>		1900	UD
95-95-4	2,4,5-Trichlorophenol	<u> </u>		4800	UD
91-58-7	2-Chloronaphthalene			1900	עט
88-74-4	2-Nitroaniline	+		4800	
					UD
131-11-3	Dimethylphthalate	<u> </u>		1900	UD
208-96-8	Acenaphthylene			610	JD
606-20-2	2,6-Dinitrotoluene			1900	UD
99-09-2	3-Nitroaniline			4800	ŪD
83-32-9	Acenaphthene 2,4-Dinitrophenol			2000	D

EPA SAMPLE NO.

SW-14DL

Lab Name: Chemtech Consulting Group	Contract:	HRPA02	
Lab Code: CHEM Case No.: Z4621	SAS No.:	Z4621 SDG	No.: <u>Z4621</u>
Matrix (soil/water): SOIL	Lab Sampl	e ID: <u>Z4621-04D</u>	<u> </u>
Sample wt/vol: 30.1 (g/mL) g	Lab File	ID: BE051447.1	<u> </u>
Level: (low/med)	Date Rece	ived: 9/20/20	800
% Moisture: 14 Decanted: (Y/N)	N Date Extr	acted: 9/23/2	008
Concentrated Extract Volume: 1000	(uL) Date Anal	yzed: 9/25/2	008
Injection Volume: 1.0	Dilution	Factor: 5.0	<u> </u>
GPC Cleanup: (Y/N) N pH: N/.	A Extractio	n: (Type) SOXH	
<del></del>	CONCENTR	ATION UNITS:	
CAS NO. COMPOUND	(ug/L o	ug/Kg) ug/Kg	Q
100-02-7 4-Nitrophenol	1	4800	UD
132-64-9 Dibenzofuran		1300	JD
121-14-2 2,4-Dinitrotoluen	e .	1900	UD
84-66-2 Diethylphthalate		1900	UD
7005-72-3 4-Chlorophenyl-ph	envlether	1900	UD
86-73-7 Fluorene	•	3500	D
100-01-6 4-Nitroaniline		4800	UD
534-52-1 4,6-Dinitro-2-met	hylphenol	4800	UD
86-30-6 N-Nitrosodiphenyl		1900	UD
103-33-3 Azobenzene		1900	UD
101-55-3 4-Bromophenyl-phe	nylether	1900	UD
118-74-1 Hexachlorobenzene		1900	UD
87-86-5 Pentachlorophenol		4800	UD
85-01-8 Phenanthrene		8200	D
120-12-7 Anthracene		560	JD
84-74-2 Di-n-butylphthala	te	1900	UD
206-44-0 Fluoranthene		520	JD
129-00-0 Pyrene		700	JD
85-68-7 Butylbenzylphthal	ate	1900	UD
91-94-1 3,3-Dichlorobenzi	dine	1900	UD
56-55-3 Benzo(a)anthracen	е	1900	UD
218-01-9 Chrysene		1900	UD
117-81-7 bis(2-Ethylhexyl)	phthalate	1900	UD
117-84-0 Di-n-octyl phthal	ate	1900	UD
205-99-2 Benzo(b)fluoranth	ene	1900	UD
207-08-9 Benzo(k)fluoranth	ene	1900	UD
50-32-8 Benzo(a)pyrene		1900	UD
193-39-5 Indeno(1,2,3-cd)p	yrene	1900	UD
53-70-3 Dibenz(a,h)anthra	cene	1900	UD
191-24-2 Benzo(g,h,i)peryl	ene	1900	UD

EPA SAMPLE NO.

SW-17

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-05 Sample wt/vol: 30.0 (g/mL) Lab File ID: BE051419.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 21 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/24/2008 Injection Volume: 1.0 Dilution Factor: 1.0 GPC Cleanup: (Y/N) Extraction: (Type) SOXH N pH: N/A CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 420 U 111-44-4 bis(2-Chloroethyl)ether 420 U 95-57-8 2-Chlorophenol 420 U 100-51-6 Benzyl Alcohol 420 U 420 95-48-7 2-Methylphenol U 108-60-1 2,2-oxybis(1-Chloropropane) 420 TT 106-44-5 3+4-Methylphenols 420 U 621-64-7 420 U N-Nitroso-di-n-propylamine 67-72-1 420 Hexachloroethane U 98-95-3 Nitrobenzene 420 U 78-59-1 Isophorone 420 U 88-75-5 420 U 2-Nitrophenol 105-67-9 2,4-Dimethylphenol 420 TT 111-91-1 bis(2-Chloroethoxy)methane 420 U 120-83-2 420 U 2,4-Dichlorophenol 65-85-0 Benzoic acid 420 U 91-20-3 420 Naphthalene U 106-47-8 4-Chloroaniline 420 U 87-68-3 Hexachlorobutadiene 420 TT 59-50-7 420 U 4-Chloro-3-methylphenol 91-57-6 2-Methylnaphthalene 98 J 77-47-4 Hexachlorocyclopentadiene 420 U 88-06-2 2,4,6-Trichlorophenol 420 U 95-95-4 1000 U 2,4,5-Trichlorophenol 91-58-7 2-Chloronaphthalene 420 U 88-74-4 1000 U 2-Nitroaniline 131-11-3 420 U Dimethylphthalate 208-96-8 Acenaphthylene 54 J 606-20-2 2,6-Dinitrotoluene 420 U 99-09-2 3-Nitroaniline 1000 U 83-32-9 160 Acenaphthene J 51-28-5 2,4-Dinitrophenol 1000 U

EPA SAMPLE NO.

Lab Name: Chemtech Co	nsulting Group	Contract: H	IRPA02	
Lab Code: CHEM	Case No.: <u>Z4621</u> S2	AS No.: <u>Z46</u>	521 SDG	No.: <u>Z4621</u>
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sample I	D: <u>Z4621-05</u>	
Sample wt/vol: 30.0	(g/mL) g	Lab File ID:	BE051419.I	<u> </u>
Level: (low/med)	<u> </u>	Date Receive	ed: 9/20/20	008_
% Moisture: <u>21</u>	Decanted: (Y/N) N	Date Extract	ed: 9/23/20	008
Concentrated Extract Vol	Lume: 1000 (uL)	Date Analyze	ed: 9/24/20	008
Injection Volume:	1.0	Dilution Fac	tor: <u>1.0</u>	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction:	(Type) SOXH	
	<del></del>	CONCENTRATI	ON UNITS:	
CAS NO.	COMPOUND	(ug/L or u	g/Kg) ug/Kg	Q
100-02-7	4-Nitrophenol		1000	U
132-64-9	Dibenzofuran		110	J
121-14-2	2,4-Dinitrotoluene		420	Ū
84-66-2	Diethylphthalate	ĺ	420	Ū
7005-72-3	4-Chlorophenyl-phenyleth	er	420	Ū
86-73-7	Fluorene	i	250	J
100-01-6	4-Nitroaniline		1000	U
534-52-1	4,6-Dinitro-2-methylphen	ol	1000	Ū
86-30-6	N-Nitrosodiphenylamine		540	
103-33-3	Azobenzene	Ì	420	υ
101-55-3	4-Bromophenyl-phenylethe	r	420	υ
118-74-1	Hexachlorobenzene	i	420	Ū
87-86-5	Pentachlorophenol		1000	U
85-01-8	Phenanthrene		530	
120-12-7	Anthracene		46	J
84-74-2	Di-n-butylphthalate		420	Ū
206-44-0	Fluoranthene	Ì	420	υ
129-00-0	Pyrene		45	J
85-68-7	Butylbenzylphthalate		420	Ū
91-94-1	3,3-Dichlorobenzidine	Ì	420	υ
56-55-3	Benzo(a)anthracene	i	420	Ū
218-01-9	Chrysene	i	420	Ū
117-81-7	bis(2-Ethylhexyl)phthala	te	420	Ū
117-84-0	Di-n-octyl phthalate		420	U
205-99-2	Benzo(b)fluoranthene	İ	420	Ū
207-08-9	Benzo(k)fluoranthene	İ	420	Ū
50-32-8	Benzo(a)pyrene	i	420	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	i	420	Ū
53-70-3	Dibenz(a,h)anthracene	İ	420	Ū
191-24-2	Benzo(g,h,i)perylene		420	U

EPA SAMPLE NO.

Name: Chemtech Co	onsulting Group	Contract: HRP	AUZ	
CHEM CHEM	Case No.: <u>Z4621</u> SA	AS No.: <u>Z4621</u>	SDG No.	Z4621
crix (soil/water):	SOIL	Lab Sample ID:	Z4621-06	
nple wt/vol: 30.1	(g/mL) g	Lab File ID:	BE051433.D	
rel: (low/med)	<del></del>	Date Received:	9/20/2008	
	Decembed: (V/N)			_
<u></u>	Decanted: (Y/N) N	Date Extracted:	9/23/2008	_
ncentrated Extract Vol	lume: 1000 (uL)	Date Analyzed:	9/25/2008	_
jection Volume:	1.0	Dilution Factor	1.0	
C Cleanup: (Y/N)	N pH: N/A	Extraction: (Ty	pe) SOXH	
		CONCENTRATION	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/K	g) ug/Kg	Q
108-95-2	Phenol	<u> </u>	460	Ū
111-44-4	bis(2-Chloroethyl)ether		460	Ū
95-57-8	2-Chlorophenol		460	Ū
100-51-6	Benzyl Alcohol		460	Ū
95-48-7	2-Methylphenol		460	Ū
108-60-1	2,2-oxybis(1-Chloropropa	ne)	460	U
106-44-5	3+4-Methylphenols	,	460	Ū
621-64-7	N-Nitroso-di-n-propylamin	ne	460	U
67-72-1	Hexachloroethane		460	U
98-95-3	Nitrobenzene		460	U
78-59-1	Isophorone		460	U
88-75-5	2-Nitrophenol	İ	460	U
105-67-9	2,4-Dimethylphenol	İ	460	Ū
111-91-1	bis(2-Chloroethoxy)methan	ne	460	υ
120-83-2	2,4-Dichlorophenol		460	U
65-85-0	Benzoic acid		460	U
91-20-3	Naphthalene		460	U
106-47-8	4-Chloroaniline		460	U
87-68-3	Hexachlorobutadiene		460	U
59-50-7	4-Chloro-3-methylphenol		460	U
91-57-6	2-Methylnaphthalene		1700	
77-47-4	Hexachlorocyclopentadiene	e	460	Ū
88-06-2	2,4,6-Trichlorophenol		460	υ
95-95-4	2,4,5-Trichlorophenol		1200	υ
91-58-7	2-Chloronaphthalene		460	Ū
88-74-4	2-Nitroaniline		1200	Ū
131-11-3	Dimethylphthalate		460	Ū
208-96-8	Acenaphthylene		440	J
606-20-2	2,6-Dinitrotoluene		460	Ū
99-09-2	3-Nitroaniline		1200	υ
83-32-9	Acenaphthene		1700	
51-28-5	2,4-Dinitrophenol		1200	υ

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group C	Contract: HRPA	02	
Lab Code: CHEM	Case No.: <u>Z4621</u> SAS	No.: Z4621	SDG	No.: <u>Z4621</u>
<pre>Matrix (soil/water):</pre>	SOIL	ab Sample ID:	Z4621-06	
Sample wt/vol: 30.1	. (g/mL) g I	Lab File ID:	BE051433.I	<u> </u>
Level: (low/med)		Date Received:	9/20/20	08
% Moisture: 28	Decanted: (Y/N) N I	Date Extracted:	9/23/20	008
Concentrated Extract Vol	Lume: 1000 (uL) I	Date Analyzed:	9/25/20	008
Injection Volume:	1.0	Dilution Factor:	1.0	
GPC Cleanup: (Y/N)	N pH: N/A E	Extraction: (Typ	pe) SOXH	
	<del></del>	CONCENTRATION U	JNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg	) ug/Kg	Q
100-02-7	4-Nitrophenol		1200	U
132-64-9	Dibenzofuran		1200	
121-14-2	2,4-Dinitrotoluene		460	U
84-66-2	Diethylphthalate		460	Ū
7005-72-3	4-Chlorophenyl-phenylether	_	460	Ū
86-73-7	Fluorene	-	2800	
100-01-6	4-Nitroaniline		1200	Ū
534-52-1	4,6-Dinitro-2-methylphenol	1	1200	<u> </u>
86-30-6	N-Nitrosodiphenylamine	-	460	Ū
103-33-3	Azobenzene		460	<del>U</del>
101-55-3	4-Bromophenyl-phenylether		460	Ū
118-74-1	Hexachlorobenzene		460	<del>U</del>
87-86-5	Pentachlorophenol		1200	<del>U</del>
85-01-8	Phenanthrene		10000	E
120-12-7	Anthracene		1000	
84-74-2	Di-n-butylphthalate		460	Ū
206-44-0	Fluoranthene		1300	
129-00-0	Pyrene		1400	
85-68-7	Butylbenzylphthalate		460	Ū
91-94-1	3,3-Dichlorobenzidine		460	<del>U</del>
56-55-3	Benzo(a)anthracene		250	J
218-01-9	Chrysene		320	J
117-81-7	bis(2-Ethylhexyl)phthalate	<u> </u>	460	U
117-84-0	Di-n-octyl phthalate		460	Ū
205-99-2	Benzo(b)fluoranthene	+	220	J
207-08-9	Benzo(k)fluoranthene	+	79	J
50-32-8	Benzo(a)pyrene	<del> </del>	110	J
193-39-5	Indeno(1,2,3-cd)pyrene		93	J
53-70-3	Dibenz(a,h)anthracene	<del> </del>	460	U
191-24-2	Benzo(g,h,i)perylene		94	J

EPA SAMPLE NO.

SW-18DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-06DL Sample wt/vol: 30.1 (g/mL) Lab File ID: BE051456.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 28 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/25/2008 Injection Volume: 1.0 Dilution Factor: 10.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 4600 UD 111-44-4 bis(2-Chloroethyl)ether 4600 UD 95-57-8 2-Chlorophenol 4600 UD 100-51-6 Benzyl Alcohol 4600 UD 4600 95-48-7 2-Methylphenol UD 108-60-1 2,2-oxybis(1-Chloropropane) 4600 UD 106-44-5 3+4-Methylphenols 4600 UD 621-64-7 N-Nitroso-di-n-propylamine 4600 UD 67-72-1 Hexachloroethane 4600 UD 98-95-3 Nitrobenzene 4600 UD 78-59-1 Isophorone 4600 UD 88-75-5 4600 UD 2-Nitrophenol IJD 105-67-9 2,4-Dimethylphenol 4600 111-91-1 bis(2-Chloroethoxy)methane 4600 UD 120-83-2 4600 UD 2,4-Dichlorophenol 65-85-0 Benzoic acid 4600 UD 91-20-3 Naphthalene 4600 UD 106-47-8 4-Chloroaniline 4600 UD 87-68-3 Hexachlorobutadiene 4600 UD 59-50-7 4600 4-Chloro-3-methylphenol TID 91-57-6 2-Methylnaphthalene 1900 JD 77-47-4 Hexachlorocyclopentadiene 4600 UD 88-06-2 2,4,6-Trichlorophenol 4600 UD 95-95-4 12000 2,4,5-Trichlorophenol UD 91-58-7 2-Chloronaphthalene 4600 UD 88-74-4 12000 UD 2-Nitroaniline 131-11-3 UD Dimethylphthalate 4600 208-96-8 Acenaphthylene 1000 JD 606-20-2 2,6-Dinitrotoluene 4600 UD 99-09-2 3-Nitroaniline 12000 UD 83-32-9 3200 Acenaphthene JD 51-28-5 2,4-Dinitrophenol 12000 UD

EPA SAMPLE NO.

SW-18DL

Lab Name: Chemtech Consulting Group	Contract:	HRPA02			
Lab Code: CHEM Case No.: Z4621	SAS No.:	Z4621	SDG	No.: <u>Z462</u>	1
Matrix (soil/water): SOIL	Lab Sampl	le ID: Z4	1621-06DI		
Sample wt/vol: 30.1 (g/mL) g	Lab File	ID: BI	E051456.I	)	
Level: (low/med)	Date Rece	eived:	9/20/20	008	
% Moisture: 28 Decanted: (Y/N)	N Date Ext	racted:	9/23/20	008	
Concentrated Extract Volume: 1000 (uL)			9/25/20		
Injection Volume: 1.0	Dilution	Factor	10.0		
GPC Cleanup: (Y/N) N pH: N/A		on: (Type)	SOXH		
CAS NO. COMPOUND		RATION UNI		0	
	(ug/L 0	r ug/Kg)	ug/Kg	Q	
100-02-7 4-Nitrophenol			12000	UD	
132-64-9 Dibenzofuran			2000	JD	
121-14-2 2,4-Dinitrotoluene			4600	UD	
84-66-2 Diethylphthalate			4600	UD	
7005-72-3 4-Chlorophenyl-phenyle	ether		4600	ŪD	
86-73-7 Fluorene			5000	D	
100-01-6 4-Nitroaniline			12000	UD	
534-52-1 4,6-Dinitro-2-methylpl	henol		12000	UD	
86-30-6 N-Nitrosodiphenylamine			4600	UD	
103-33-3 Azobenzene			4600	UD	
101-55-3 4-Bromophenyl-phenyle	ther		4600	UD	
118-74-1 Hexachlorobenzene	CIICI		4600	UD	
87-86-5 Pentachlorophenol			12000	UD	
-				-	
			10000	D	
120-12-7 Anthracene			1100	JD 	
84-74-2 Di-n-butylphthalate			4600	ŪD	
206-44-0 Fluoranthene			1200	JD	
129-00-0 Pyrene			1500	JD	
85-68-7 Butylbenzylphthalate			4600	UD	
91-94-1 3,3-Dichlorobenzidine			4600	UD	
56-55-3 Benzo(a)anthracene			4600	UD	
218-01-9 Chrysene			4600	UD	
117-81-7 bis(2-Ethylhexyl)phtha	alate		4600	UD	
117-84-0 Di-n-octyl phthalate			4600	UD	
205-99-2 Benzo(b)fluoranthene			4600	UD	
207-08-9 Benzo(k)fluoranthene			4600	UD	
50-32-8 Benzo(a)pyrene			4600	UD	
193-39-5   Indeno(1,2,3-cd)pyrene	e		4600	UD	
53-70-3 Dibenz(a,h)anthracene			4600	UD	
191-24-2 Benzo(g,h,i)perylene			4600	UD	
Lot 21 2 Denzo(g)n,1/perytene			1000	שנ	

DUPLICATE

b Name: Chemtech Consu	lting Group Contract:	HRPA02	
b Code: <u>CHEM</u> Cas	se No.: Z4621 SAS No.:	Z4621 SDG No.:	Z4621
trix (soil/water): SO	OIL Lab Sampl	e ID: Z4621-08	
mple wt/vol: 30.1	(g/mL) g Lab File	ID: BE051420.D	
evel: (low/med)	Date Rece	eived: 9/20/2008	•
Moisture: 17	<pre>Decanted: (Y/N) N Date Extr</pre>		
oncentrated Extract Volume:	<u> </u>		
ijection Volume:	1.0 Dilution	Factor: 1.0	
PC Cleanup: (Y/N)	N pH: N/A Extraction	n: (Type) SOXH	
<b>41.4</b> 110		ATION UNITS:	
	MPOUND (ug/L o	r ug/Kg) <u>ug/Kg</u>	Q
	enol	400	U
	s(2-Chloroethyl)ether	400	U
	Chlorophenol	400	U
100-51-6 Ben	nzyl Alcohol	400	U
95-48-7 2-M	Methylphenol	400	U
108-60-1 2,2	2-oxybis(1-Chloropropane)	400	U
106-44-5 3+4	4-Methylphenols	400	U
	Nitroso-di-n-propylamine	400	Ū
	kachloroethane	400	U
98-95-3 Nit	robenzene	400	U
78-59-1 Iso	ophorone	400	U
	Nitrophenol		Ū
	4-Dimethylphenol		U
	s(2-Chloroethoxy)methane		U
	4-Dichlorophenol		U
	nzoic acid		U
			U
	phthalene		
-	Chloroaniline		Ŭ
	kachlorobutadiene		Ŭ 
-	Chloro-3-methylphenol		Ŭ
	Methylnaphthalene		Ŭ
	kachlorocyclopentadiene		Ū
	4,6-Trichlorophenol		U
	4,5-Trichlorophenol		υ
91-58-7 2-0	Chloronaphthalene	400	U
88-74-4 2-N	Nitroaniline	1000	U
131-11-3 Dim	methylphthalate	400	U
208-96-8 Ace	enaphthylene	430	
606-20-2 2,6	5-Dinitrotoluene	400	U
99-09-2 3-N	Nitroaniline	1000	U
83-32-9 Ace	enaphthene	1300	
	4-Dinitrophenol		U

DUPLICATE

Lab Name: Chemtech Co	onsulting Group C	Contract:	HRPA02		_
Lab Code: CHEM	Case No.: Z4621 SAS	No.: Z4	1621 si	OG No.: <u>Z4621</u>	
Matrix (soil/water):	SOIL	ab Sample	ID: <u>Z4621-08</u>	3	
Sample wt/vol: 30.1	L (g/mL) g I	ab File II	BE051420	).D	
Level: (low/med)	<u> </u>	Date Receiv	red: 9/20	/2008	
% Moisture: 17	Decanted: (Y/N) N D	Date Extra	ted: 9/23	/2008	
Concentrated Extract Vo	 lume: 1000 (uL) D	Date Analyz	zed: 9/24	/2008	
Injection Volume:	1.0	Dilution Fa	actor: 1.0		
GPC Cleanup: (Y/N)	N pH: N/A E	Extraction:	: (Type) SO	<del></del> KH	
	<del></del>	CONCENTRAT	TION UNITS:		
CAS NO.	COMPOUND	(ug/L or		Q	
100 02 7	A Nitrophonol	<u> </u>			
100-02-7	4-Nitrophenol		1000		
132-64-9	Dibenzofuran		820		
121-14-2	2,4-Dinitrotoluene		400		
84-66-2	Diethylphthalate		400		
7005-72-3	4-Chlorophenyl-phenylether	î e	400		
86-73-7	Fluorene		200	)	
100-01-6	4-Nitroaniline		1000	υ	
534-52-1	4,6-Dinitro-2-methylphenol	L	1000	υ	
86-30-6	N-Nitrosodiphenylamine		400	υ	
103-33-3	Azobenzene		400	υ	
101-55-3	4-Bromophenyl-phenylether	Ī	400	υ υ	
118-74-1	Hexachlorobenzene		400	υ	
87-86-5	Pentachlorophenol	i	1000	υ	
85-01-8	Phenanthrene		520	) E	
120-12-7	Anthracene		360	) ј	
84-74-2	Di-n-butylphthalate		400		
206-44-0	Fluoranthene	i	400		
129-00-0	Pyrene	i	470		
85-68-7	Butylbenzylphthalate		400		
91-94-1	3,3-Dichlorobenzidine		400		
56-55-3	Benzo(a)anthracene		50		
		<u> </u>			
218-01-9	Chrysene		60	_	
117-81-7	bis(2-Ethylhexyl)phthalate	2	400	-	
117-84-0	Di-n-octyl phthalate		400		
205-99-2	Benzo(b)fluoranthene		4:		
207-08-9	Benzo(k)fluoranthene		400		
50-32-8	Benzo(a)pyrene		400	υ	
193-39-5	Indeno(1,2,3-cd)pyrene		400	υ	
53-70-3	Dibenz(a,h)anthracene		400	ט ע	
191-24-2	Benzo(g,h,i)perylene		400	υ	

DUPLICATEDL

Lab Name: Chemtech Co	onsulting Group Contract	: HRPA02
Lab Code: CHEM	Case No.: Z4621 SAS No.:	Z4621 SDG No.: Z4621
Matrix (soil/water):	SOIL Lab Samp	ole ID: Z4621-08DL
Sample wt/vol: 30.1	(g/mL) g Lab File	BE051450.D
Level: (low/med)		Deived: 9/20/2008
% Moisture: 17	Decanted: (Y/N) N Date Ext	27acted: 9/23/2008
Concentrated Extract Vo		alyzed: 9/25/2008
Injection Volume:	1.0 Dilution	n Factor: 5.0
GPC Cleanup: (Y/N)		
GPC Cleanup: (1/N)		ion: (Type) <u>SOXH</u> TRATION UNITS:
CAS NO.		or ug/Kg) ug/Kg Q
108-95-2	Phenol	2000 UD
111-44-4	bis(2-Chloroethyl)ether	2000 UD
95-57-8	2-Chlorophenol	2000 UD
100-51-6	Benzyl Alcohol	2000 UD
95-48-7	2-Methylphenol	2000 UD
108-60-1	2,2-oxybis(1-Chloropropane)	2000 UD
106-44-5	3+4-Methylphenols	2000 UD
621-64-7	N-Nitroso-di-n-propylamine	2000 UD
67-72-1	Hexachloroethane	2000 UD
98-95-3	Nitrobenzene	2000 UD
78-59-1	Isophorone	2000 UD
88-75-5	2-Nitrophenol	2000 UD
105-67-9	2,4-Dimethylphenol	2000 UD
111-91-1	bis(2-Chloroethoxy)methane	2000 UD
120-83-2	2,4-Dichlorophenol	2000 UD
65-85-0	Benzoic acid	2000 UD
91-20-3	Naphthalene	2000 UD
106-47-8	4-Chloroaniline	2000 UD
87-68-3	Hexachlorobutadiene	2000 UD
59-50-7	4-Chloro-3-methylphenol	2000 UD
91-57-6	2-Methylnaphthalene	2000 UD
77-47-4	Hexachlorocyclopentadiene	2000 UD
88-06-2	2,4,6-Trichlorophenol	2000 UD
95-95-4	2,4,5-Trichlorophenol	5000 UD
91-58-7	2-Chloronaphthalene	2000 UD
	2-Nitroaniline	
88-74-4 131-11-3	Z-Nitroaniline   Dimethylphthalate	5000 UD
		2000 UD
208-96-8	Acenaphthylene	430 JD
606-20-2	2,6-Dinitrotoluene 3-Nitroaniline	2000 UD
99-09-2		5000 UD
83-32-9	Acenaphthene	1200 JD
51-28-5	2,4-Dinitrophenol	5000 UD

DUPLICATEDL

Lab Name: Chemtech Co	onsulting Group Co	ntract: <u>HRPA02</u>		
Lab Code: CHEM	Case No.: <u>Z4621</u> SAS I	No.: <u>Z4621</u>	SDG No	.: Z4621
<pre>Matrix (soil/water):</pre>	SOIL La	b Sample ID: Z	4621-08DL	
Sample wt/vol: 30.1	(g/mL) g La	b File ID: B	E051450.D	
Level: (low/med)		te Received:	9/20/2008	<del></del> 8
% Moisture: 17	 Decanted: (Y/N) N Da	te Extracted:	9/23/2008	<del></del> 8
Concentrated Extract Vol	 Lume: 1000 (uL) Da	te Analyzed:	9/25/2008	<del></del> 8
Injection Volume:	1.0 Di	lution Factor:	5.0	
GPC Cleanup: (Y/N)		traction: (Type)	-	
Gre creamap. (1/N)	<del></del>	ONCENTRATION UNI		<u> </u>
CAS NO.		(ug/L or ug/Kg)	ug/Kg	Q
		- I		
100-02-7	4-Nitrophenol		5000	UD TO
132-64-9	Dibenzofuran		770	JD 
121-14-2	2,4-Dinitrotoluene		2000	UD
84-66-2	Diethylphthalate		2000	UD
7005-72-3	4-Chlorophenyl-phenylether		2000	UD
86-73-7	Fluorene		2100	D
100-01-6	4-Nitroaniline		5000	UD
534-52-1	4,6-Dinitro-2-methylphenol		5000	UD
86-30-6	N-Nitrosodiphenylamine		2000	UD
103-33-3	Azobenzene		2000	UD
101-55-3	4-Bromophenyl-phenylether		2000	UD
118-74-1	Hexachlorobenzene		2000	UD
87-86-5	Pentachlorophenol		5000	UD
85-01-8	Phenanthrene		4800	D
120-12-7	Anthracene		370	JD
84-74-2	Di-n-butylphthalate		2000	UD
206-44-0	Fluoranthene		310	JD
129-00-0	Pyrene		410	JD
85-68-7	Butylbenzylphthalate		2000	UD
91-94-1	3,3-Dichlorobenzidine		2000	UD
56-55-3	Benzo(a)anthracene		2000	UD
218-01-9			2000	
117-81-7	Chrysene			UD
	bis(2-Ethylhexyl)phthalate		2000	UD 
117-84-0	Di-n-octyl phthalate		2000	UD
205-99-2	Benzo(b)fluoranthene		2000	UD
207-08-9	Benzo(k)fluoranthene		2000	UD
50-32-8	Benzo(a)pyrene		2000	UD
193-39-5	Indeno(1,2,3-cd)pyrene		2000	UD
53-70-3	Dibenz(a,h)anthracene		2000	UD
191-24-2	Benzo(g,h,i)perylene		2000	UD

EPA SAMPLE NO.

b Name: Chemtech Co	onsulting Group Contrac	t: HRPA02	
b Code: CHEM	Case No.: Z4621 SAS No.:	Z4621 SDG No	.: <u>Z4621</u>
trix (soil/water):	SOIL Lab Sam	ple ID: Z4621-09	
mple wt/vol: 30.1	L (g/mL) g Lab Fil	e ID: BE051432.D	
vel: (low/med)		ceived: 9/20/200	<del></del> 8
Moisture: 30	Decanted: (Y/N) N Date Ex	tracted: 9/23/200	
	<u> </u>		
ncentrated Extract Vo	lume: 1000 (uL) Date An	alyzed: 9/25/200	<u>8</u>
jection Volume:	1.0 Dilutio	n Factor: 1.0	
C Cleanup: (Y/N)	N pH: N/A Extract	ion: (Type) SOXH	
	CONCEN	TRATION UNITS:	<u> </u>
CAS NO.	COMPOUND (ug/L	or ug/Kg) ug/Kg	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
100-51-6	Benzyl Alcohol	470	U
95-48-7	2-Methylphenol	470	Ū
108-60-1	2,2-oxybis(1-Chloropropane)	470	Ū
106-44-5	3+4-Methylphenols	470	Ū
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	Ū
98-95-3	Nitrobenzene	470	Ū
78-59-1	Isophorone	470	Ū
88-75-5	2-Nitrophenol	470	Ū
105-67-9	2,4-Dimethylphenol	470	Ū
111-91-1	bis(2-Chloroethoxy)methane	470	Ū
120-83-2	2,4-Dichlorophenol	470	U
65-85-0	Benzoic acid	470	U
91-20-3	Naphthalene	240	J
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	520	
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	Ū
95-95-4	2,4,5-Trichlorophenol	1200	Ū
91-58-7	2-Chloronaphthalene	470	Ū
88-74-4	2-Nitroaniline	1200	Ū
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	110	J
606-20-2	2,6-Dinitrotoluene	470	υ
99-09-2	3-Nitroaniline	1200	Ū
83-32-9	Acenaphthene	470	υ
100 02 0		7,0	~

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Conti	ract: HRPA02		
Lab Code: CHEM	Case No.: Z4621 SAS No.	: Z4621	SDG No.:	Z4621
Matrix (soil/water):	SOIL Lab S	ample ID: Z	4621-09	
Sample wt/vol: 30.1	(g/mL) g Lab H	File ID: B	E051432.D	
Level: (low/med)	Date	Received:	9/20/2008	_
% Moisture: 30	Decanted: (Y/N) N Date	Extracted:	9/23/2008	
Concentrated Extract Vo		Analyzed:	9/25/2008	
Injection Volume:	 1.0 Dilut	ion Factor:	1.0	
GPC Cleanup: (Y/N)		action: (Type)		_
GFC Cleanup: (1/N)	<del></del>	ENTRATION UNI	-	
CAS NO.		/L or ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol		1200	U
132-64-9	Dibenzofuran		100	J
121-14-2	2,4-Dinitrotoluene		470	Ū
84-66-2	Diethylphthalate		470	Ū
7005-72-3	4-Chlorophenyl-phenylether		470	U
86-73-7	Fluorene		110	J
100-01-6	4-Nitroaniline		1200	Ū
534-52-1	4,6-Dinitro-2-methylphenol		1200	Ū
86-30-6	N-Nitrosodiphenylamine		470	U
103-33-3	Azobenzene		470	U
101-55-3	4-Bromophenyl-phenylether		470	U
118-74-1	Hexachlorobenzene		470	U
87-86-5	Pentachlorophenol		1200	U
85-01-8	Phenanthrene		230	J
120-12-7	Anthracene		68	J
84-74-2	Di-n-butylphthalate		470	U
206-44-0	Fluoranthene		120	J
129-00-0	Pyrene		110	J
85-68-7	Butylbenzylphthalate		470	U
91-94-1	3,3-Dichlorobenzidine		470	U
56-55-3	Benzo(a)anthracene		48	J
218-01-9	Chrysene		92	J
117-81-7	bis(2-Ethylhexyl)phthalate		470	U
117-84-0	Di-n-octyl phthalate		470	U
205-99-2	Benzo(b)fluoranthene		71	J
207-08-9	Benzo(k)fluoranthene		470	U
50-32-8	Benzo(a)pyrene		470	U
193-39-5	Indeno(1,2,3-cd)pyrene		470	U
53-70-3	Dibenz(a,h)anthracene		470	U
191-24-2	Benzo(g,h,i)perylene		470	U

EPA SAMPLE NO.

b Code: CHEM	Case No.: Z4621 SAS No.:	Z4621	SDG No.	: Z4621
trix (soil/water):	<del>-</del>	ample ID:	 Z4621-10	
mple wt/vol: 30.		ile ID:	BE051421.D	
	<u> </u>			
vel: (low/med)	Date	Received:	9/20/2008	_
Moisture: 23	Decanted: (Y/N) N Date	Extracted:	9/23/2008	_
ncentrated Extract Vo	olume: 1000 (uL) Date	Analyzed:	9/24/2008	
jection Volume:	1.0 Dilut	ion Factor:	1.0	_
C Cleanup: (Y/N)	N pH: N/A Extra	ction: (Typ	oe) SOXH	
C C_Canage (_/,		ENTRATION U		
CAS NO.		L or ug/Kg		Q
108-95-2	Phenol		430	U
111-44-4	bis(2-Chloroethyl)ether		430	Ū
95-57-8	2-Chlorophenol		430	Ū
100-51-6	Benzyl Alcohol		430	Ū
95-48-7	2-Methylphenol		430	Ū
108-60-1	2,2-oxybis(1-Chloropropane)		430	Ū
106-44-5	3+4-Methylphenols		430	Ū
621-64-7	N-Nitroso-di-n-propylamine		430	Ū
67-72-1	Hexachloroethane		430	U
98-95-3	Nitrobenzene		430	υ
78-59-1	Isophorone		430	Ū
88-75-5	2-Nitrophenol		430	Ū
105-67-9	2,4-Dimethylphenol		430	Ū
111-91-1	bis(2-Chloroethoxy)methane		430	U
120-83-2	2,4-Dichlorophenol		430	Ū
65-85-0	Benzoic acid		430	U
91-20-3	Naphthalene		430	U
106-47-8	4-Chloroaniline		430	Ū
87-68-3	Hexachlorobutadiene		430	U
59-50-7	4-Chloro-3-methylphenol		430	U
91-57-6	2-Methylnaphthalene		430	Ŭ
77-47-4	Hexachlorocyclopentadiene		430	Ŭ
88-06-2	2,4,6-Trichlorophenol		430	Ŭ
95-95-4	2,4,5-Trichlorophenol		1100	U
91-58-7	2-Chloronaphthalene		430	υ
88-74-4	2-Nitroaniline		1100	U
131-11-3	Dimethylphthalate		430	U
208-96-8	Acenaphthylene		430	U
606-20-2	2,6-Dinitrotoluene		430	U
99-09-2	3-Nitroaniline		1100	U
83-32-9	Acenaphthene		430	U
51-28-5	2,4-Dinitrophenol		1100	υ

EPA SAMPLE NO.

Lab Name: Chemtech Con	nsulting Group C	ontract: HRPA	)2	
Lab Code: CHEM	Case No.: Z4621 SAS	No.: Z4621	SDG No.:	Z4621
Matrix (soil/water):	SOIL	ab Sample ID:	Z4621-10	
Sample wt/vol: 30.0	(g/mL) g L	ab File ID:	BE051421.D	
Level: (low/med)		ate Received:	9/20/2008	_
% Moisture: 23	Decanted: (Y/N) N D	ate Extracted:	9/23/2008	
Concentrated Extract Volu		ate Analyzed:	9/24/2008	
Injection Volume:	1.0 D	ilution Factor:	1.0	
GPC Cleanup: (Y/N)	N pH: N/A E	xtraction: (Typ	e) SOXH	_
	<del></del>	CONCENTRATION U		<del>_</del>
CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol	1	1100	U
	Dibenzofuran		430	Ū
	2,4-Dinitrotoluene		430	Ū
	Diethylphthalate		430	Ū
L.	4-Chlorophenyl-phenylether		430	Ū
	Fluorene		49	J
100-01-6	4-Nitroaniline		1100	υ
534-52-1	4,6-Dinitro-2-methylphenol		1100	υ
86-30-6	N-Nitrosodiphenylamine		430	υ
103-33-3	Azobenzene		430	υ
101-55-3	4-Bromophenyl-phenylether		430	υ
118-74-1	Hexachlorobenzene		430	υ
87-86-5	Pentachlorophenol		1100	υ
85-01-8	Phenanthrene		170	J
120-12-7	Anthracene		430	υ
84-74-2	Di-n-butylphthalate		430	υ
206-44-0	Fluoranthene		230	J
129-00-0	Pyrene		180	J
85-68-7	Butylbenzylphthalate		430	υ
91-94-1	3,3-Dichlorobenzidine		430	υ
56-55-3	Benzo(a)anthracene		110	J
	Chrysene		110	J
117-81-7	bis(2-Ethylhexyl)phthalate		430	υ
117-84-0	Di-n-octyl phthalate		430	U
	Benzo(b)fluoranthene		110	J
	Benzo(k)fluoranthene		430	U
	Benzo(a)pyrene		77	J
193-39-5	Indeno(1,2,3-cd)pyrene		60	J
	Dibenz(a,h)anthracene		430	U
191-24-2	Benzo(g,h,i)perylene		54	J

EPA SAMPLE NO.

b Code: CHEM	Case No.: Z4621 SAS No	.: Z4621	SDG No.	: Z4621
trix (soil/water):	SOIL Lab	Sample ID:	 Z4621-11	-
mple wt/vol: 30.		File ID:	BE051422.D	
	<u> </u>			_
vel: (low/med)		Received:	9/20/2008	_
Moisture: 18	Decanted: (Y/N) N Date	Extracted:	9/23/2008	_
ncentrated Extract V	olume: 1000 (uL) Date	Analyzed:	9/24/2008	_
jection Volume:	1.0 Dila	tion Factor	: 1.0	
C Cleanup: (Y/N)	N pH: N/A Exti	action: (Ty	pe) SOXH	<u> </u>
		CENTRATION		
CAS NO.	COMPOUND (u	g/L or ug/Kg	g) ug/Kg	Q
108-95-2	Phenol		400	U
111-44-4	bis(2-Chloroethyl)ether		400	U
95-57-8	2-Chlorophenol		400	U
100-51-6	Benzyl Alcohol		400	U
95-48-7	2-Methylphenol		400	U
108-60-1	2,2-oxybis(1-Chloropropane)		400	U
106-44-5	3+4-Methylphenols		400	U
621-64-7	N-Nitroso-di-n-propylamine		400	U
67-72-1	Hexachloroethane		400	U
98-95-3	Nitrobenzene		400	U
78-59-1	Isophorone		400	U
88-75-5	2-Nitrophenol		400	U
105-67-9	2,4-Dimethylphenol		400	U
111-91-1	bis(2-Chloroethoxy)methane		400	U
120-83-2	2,4-Dichlorophenol		400	U
65-85-0	Benzoic acid		400	U
91-20-3	Naphthalene		400	U
106-47-8	4-Chloroaniline		400	Ŭ
87-68-3	Hexachlorobutadiene		400	Ŭ
59-50-7	4-Chloro-3-methylphenol		400	Ŭ
91-57-6	2-Methylnaphthalene		400	Ū
77-47-4	Hexachlorocyclopentadiene		400	Ŭ
88-06-2	2,4,6-Trichlorophenol		400	Ū
95-95-4	2,4,5-Trichlorophenol		1000	Ŭ
91-58-7	2-Chloronaphthalene		400	Ū
88-74-4	2-Nitroaniline		1000	Ŭ
131-11-3	Dimethylphthalate		400	Ŭ
208-96-8	Acenaphthylene		350	J
606-20-2	2,6-Dinitrotoluene		400	Ŭ
99-09-2	3-Nitroaniline		1000	Ŭ
83-32-9	Acenaphthene		990	
51-28-5	2,4-Dinitrophenol		1000	U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract: H	RPA02	
Lab Code: CHEM	Case No.: Z4621 SAS	No.: <u>Z46</u> 2	21 SDG	No.: <u>Z4621</u>
Matrix (soil/water):	SOIL	Lab Sample II	Z4621-11	
Sample wt/vol: 30.0	) (g/mL) g	Lab File ID:	BE051422.I	<u> </u>
Level: (low/med)	<del></del>	Date Received	9/20/20	008
% Moisture: 18	Decanted: (Y/N) N	Date Extracte	ed: 9/23/20	008
Concentrated Extract Vo	 lume: 1000 (uL)	Date Analyzed	9/24/20	008
Injection Volume:	1.0	Dilution Fact		
GPC Cleanup: (Y/N)	N pH: N/A	Extraction: (	(Type) SOXH	
		CONCENTRATIO		
CAS NO.	COMPOUND	(ug/L or ug		Q
		(437 = 42 43		
100-02-7	4-Nitrophenol		1000	Ŭ
132-64-9	Dibenzofuran		820	
121-14-2	2,4-Dinitrotoluene		400	Ŭ
84-66-2	Diethylphthalate		400	Ŭ
7005-72-3	4-Chlorophenyl-phenylethe	r	400	U
86-73-7	Fluorene		1600	
100-01-6	4-Nitroaniline		1000	Ū
534-52-1	4,6-Dinitro-2-methylpheno	1	1000	Ū
86-30-6	N-Nitrosodiphenylamine		400	U
103-33-3	Azobenzene		400	Ū
101-55-3	4-Bromophenyl-phenylether	i	400	Ū
118-74-1	Hexachlorobenzene		400	Ū
87-86-5	Pentachlorophenol		1000	U
85-01-8	Phenanthrene		4200	E
120-12-7	Anthracene	1	490	
84-74-2	Di-n-butylphthalate	+	400	Ŭ
206-44-0	Fluoranthene		310	J
129-00-0	Pyrene		400	J
85-68-7	Butylbenzylphthalate		400	Ŭ
91-94-1	3,3-Dichlorobenzidine		400	υ
56-55-3	Benzo(a)anthracene		44	J
	1	+		
218-01-9	Chrysene		69	J
117-81-7	bis(2-Ethylhexyl)phthalate	e l	400	Ŭ
117-84-0	Di-n-octyl phthalate		400	Ŭ
205-99-2	Benzo(b)fluoranthene	ļ	400	Ŭ
207-08-9	Benzo(k)fluoranthene	<u> </u>	400	ΰ
50-32-8	Benzo(a)pyrene	<u> </u>	400	Ū
193-39-5	Indeno(1,2,3-cd)pyrene		400	υ
53-70-3	Dibenz(a,h)anthracene		400	U
191-24-2	Benzo(g,h,i)perylene		400	Ū

EPA SAMPLE NO.

SW-03DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-11DL Sample wt/vol: 30.0 (g/mL) Lab File ID: BE051451.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 18 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/25/2008 Injection Volume: 1.0 Dilution Factor: 5.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 2000 UD 111-44-4 bis(2-Chloroethyl)ether 2000 UD 95-57-8 2-Chlorophenol 2000 UD 100-51-6 Benzyl Alcohol 2000 UD 2000 95-48-7 2-Methylphenol UD 108-60-1 2,2-oxybis(1-Chloropropane) 2000 UD 106-44-5 3+4-Methylphenols 2000 UD 621-64-7 N-Nitroso-di-n-propylamine 2000 UD 67-72-1 Hexachloroethane 2000 UD 98-95-3 Nitrobenzene 2000 UD 78-59-1 Isophorone 2000 UD 88-75-5 UD 2-Nitrophenol 2000 IJD 105-67-9 2,4-Dimethylphenol 2000 111-91-1 bis(2-Chloroethoxy)methane 2000 UD 120-83-2 2000 UD 2,4-Dichlorophenol 65-85-0 Benzoic acid 2000 UD 91-20-3 Naphthalene 2000 UD 106-47-8 4-Chloroaniline 2000 UD 87-68-3 Hexachlorobutadiene 2000 UD 59-50-7 2000 4-Chloro-3-methylphenol TID 91-57-6 2-Methylnaphthalene 2000 UD 77-47-4 Hexachlorocyclopentadiene 2000 UD 88-06-2 2,4,6-Trichlorophenol 2000 UD 95-95-4 5100 2,4,5-Trichlorophenol UD 91-58-7 2-Chloronaphthalene 2000 UD 88-74-4 5100 UD 2-Nitroaniline 131-11-3 2000 UD Dimethylphthalate 208-96-8 Acenaphthylene 330 JD 606-20-2 2,6-Dinitrotoluene 2000 UD 99-09-2 3-Nitroaniline 5100 UD 83-32-9 1000 Acenaphthene JD 51-28-5 2,4-Dinitrophenol 5100 UD

EPA SAMPLE NO.

SW-03DL

Lab Name: Chemtech Cor	nsulting Group	Contract:	HRPA02	
Lab Code: CHEM	Case No.: <u>Z4621</u> SA	s No.: <u>z4</u>	621 SDG	No.: <u>Z4621</u>
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sample	ID: <u>Z4621-11D</u>	<u> </u>
Sample wt/vol: 30.0	(g/mL) g	Lab File ID	BE051451.I	<u> </u>
Level: (low/med)	<del>_</del>	Date Receiv	ed: 9/20/20	008
% Moisture: 18	Decanted: (Y/N) N	Date Extrac	ted: 9/23/20	008
Concentrated Extract Volu	ume: 1000 (uL)	Date Analyz	ed: 9/25/20	008
Injection Volume:	1.0	Dilution Fa	ctor: 5.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction:	(Type) SOXH	
	<del></del>	CONCENTRAT	ION UNITS:	
CAS NO.	COMPOUND	(ug/L or u		Q
100-02-7	4-Nitrophonol	<u> </u>	5100	UD
	4-Nitrophenol Dibenzofuran		800	JD
	2,4-Dinitrotoluene		2000	UD UD
	Diethylphthalate		2000	UD UD
-	4-Chlorophenyl-phenylethe	<u> </u>	2000	UD
	Fluorene	:1	1900	JD
	4-Nitroaniline		5100	UD
	4,6-Dinitro-2-methylpheno	<u> </u>	5100	UD
	N-Nitrosodiphenylamine	, <u> </u>	2000	UD
	Azobenzene		2000	UD
	4-Bromophenyl-phenylether		2000	UD
-	Hexachlorobenzene		2000	UD
	Pentachlorophenol		5100	UD
	Phenanthrene		4400	D
	Anthracene		540	JD
	Di-n-butylphthalate		2000	UD
	Fluoranthene		260	JD
	Pyrene		400	JD
	Butylbenzylphthalate		2000	UD
	3,3-Dichlorobenzidine		2000	UD
	Benzo(a)anthracene		2000	UD
	Chrysene		2000	UD
	bis(2-Ethylhexyl)phthalat	:e	2000	UD
	Di-n-octyl phthalate		2000	UD
<u> </u>	Benzo(b)fluoranthene		2000	UD
<u> </u>	Benzo(k)fluoranthene		2000	UD
	Benzo(a)pyrene	i	2000	UD
	Indeno(1,2,3-cd)pyrene	i	2000	UD
	Dibenz(a,h)anthracene	İ	2000	UD
<u> </u>	Benzo(g,h,i)perylene	İ	2000	UD

EPA SAMPLE NO.

Lab Code: CHEM	Lab Name: Chemtech Co	onsulting Group Con	tract: HRPA02		
Lab File ID:   BE051423.D     Lab File ID:   BE051423.D	Lab Code: CHEM	Case No.: Z4621 SAS No.	o.: <u>Z4621</u>	SDG No.	: Z4621
Moisture:   28	Matrix (soil/water):	SOIL Lab	Sample ID: Z	4621-12	
* Moisture: 28	Sample wt/vol: 30.1	L (g/mL) g Lab	File ID: B	E051423.D	
Concentrated Extract Volume: 1.0	Level: (low/med)		e Received:	9/20/2008	<del></del>
Concentrated Extract Volume: 1.0	% Moisture: 28	Decanted: (Y/N) N Dat	e Extracted:	9/23/2008	_
Thjection Volume:   1.0   Dilution Factor:   1.0		<u> </u>			_
Cas No.   Compound			_		_
CAS NO.   COMPOUND   (ug/L or ug/Kg)   ug/Kg   Q	-				<del></del>
CAS NO.   COMPOUND   (ug/L or ug/Kg)   ug/Kg   Q	GPC Cleanup: (Y/N)			-	
108-95-2	CAC NO				0
111-44-4         bis(2-Chloroethyl)ether         460         U           95-57-8         2-Chlorophenol         460         U           100-51-6         Benzyl Alcohol         460         U           95-48-7         2-Methylphenol         460         U           108-60-1         2,2-oxybis(1-Chloropropane)         460         U           106-44-5         3+4-Methylphenols         460         U           621-64-7         N-Nitroso-di-n-propylamine         460         U           98-95-3         Nitrobenzene         460         U           98-95-3         Nitrobenzene         460         U           78-59-1         Isophorone         460         U           88-75-5         2-Nitrophenol         460         U           105-67-9         2,4-Dimethylphenol         460         U           111-91-1         bis(2-Chloroethoxy)methane         460         U           120-83-2         2,4-Dichlorophenol         460         U           91-20-3         Naphthalene         460         U           91-20-3         Naphthalene         460         U           106-47-8         4-Chloroa-3-methylphenol         460         U			ug/L or ug/kg)		
95-57-8         2-Chlorophenol         460         U           100-51-6         Benzyl Alcohol         460         U           95-48-7         2-Methylphenol         460         U           108-60-1         2,2-oxybis(1-Chloropropane)         460         U           106-44-5         3+4-Methylphenols         460         U           621-64-7         N-Nitroso-di-n-propylamine         460         U           67-72-1         Hexachloroethane         460         U           98-95-3         Nitrobenzene         460         U           78-59-1         Isophorone         460         U           88-75-5         2-Nitrophenol         460         U           105-67-9         2,4-Dimethylphenol         460         U           111-91-1         bis(2-Chloroethoxy)methane         460         U           120-83-2         2,4-Dichlorophenol         460         U           91-20-3         Naphthalene         460         U           91-20-3         Naphthalene         460         U           87-68-3         Hexachlorobutadiene         460         U           87-68-3         Hexachlorobutadiene         460         U           <					
100-51-6   Benzyl Alcohol   460   U   95-48-7   2-Methylphenol   460   U   108-60-1   2,2-oxybis(1-Chloropropane)   460   U   106-44-5   3+4-Methylphenols   460   U   106-44-5   3+4-Methylphenols   460   U   106-44-5   3+4-Methylphenols   460   U   106-47-2-1   Hexachloroethane   460   U   106-7-2-1   Hexachloroethane   460   U   106-7-2-1   Hexachloroethane   460   U   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2-1   106-7-2   106-7-2-1   106-7					Ŭ
95-48-7         2-Methylphenol         460         U           108-60-1         2,2-oxybis(1-Chloropropane)         460         U           106-44-5         3+4-Methylphenols         460         U           621-64-7         N-Nitroso-di-n-propylamine         460         U           67-72-1         Hexachloroethane         460         U           98-95-3         Nitrobenzene         460         U           78-59-1         Isophorone         460         U           88-75-5         2-Nitrophenol         460         U           105-67-9         2,4-Dimethylphenol         460         U           111-91-1         bis(2-Chloroethoxy)methane         460         U           120-83-2         2,4-Dichlorophenol         460         U           91-20-3         Naphthalene         460         U           106-47-8         4-Chloroaniline         460         U           87-68-3         Hexachlorobutadiene         460         U           91-57-6         2-Methylnaphthalene         460         U           91-57-6         2-Methylnaphthalene         460         U           95-95-4         2,4,5-Trichlorophenol         460         U				460	υ
108-60-1         2,2-oxybis(1-Chloropropane)         460         U           106-44-5         3+4-Methylphenols         460         U           621-64-7         N-Nitroso-di-n-propylamine         460         U           67-72-1         Hexachloroethane         460         U           98-95-3         Nitrobenzene         460         U           78-59-1         Isophorone         460         U           88-75-5         2-Nitrophenol         460         U           105-67-9         2,4-Dimethylphenol         460         U           111-91-1         bis(2-Chloroethoxy)methane         460         U           120-83-2         2,4-Dichlorophenol         460         U           45-85-0         Benzoic acid         460         U           91-20-3         Naphthalene         460         U           106-47-8         4-Chloroaniline         460         U           87-68-3         Hexachlorobutadiene         460         U           91-57-6         2-Methylnaphthalene         460         U           91-57-6         2-Methylnaphthalene         460         U           88-06-2         2,4,6-Trichlorophenol         460         U				460	υ
106-44-5   3+4-Methylphenols   460   U   621-64-7   N-Nitroso-di-n-propylamine   460   U   67-72-1   Hexachloroethane   460   U   98-95-3   Nitrobenzene   460   U   78-59-1   Isophorone   460   U   105-67-9   2,4-Dimethylphenol   460   U   111-91-1   bis(2-Chloroethoxy)methane   460   U   120-83-2   2,4-Dichlorophenol   460   U   120-83-2   Naphthalene   460   U   106-47-8   4-Chloroaniline   460   U   106-47-8   4-Chloroaniline   460   U   107-57-6   2-Methylnaphthalene   460   U   107-47-4   Hexachlorocyclopentadiene   460   U   107-47-4   Hexachlorocyclopentadiene   460   U   107-47-4   Hexachlorocyclopentadiene   460   U   107-47-4   Hexachlorocyclopentadiene   460   U   108-95-4   2,4,5-Trichlorophenol   460   U   100   1	95-48-7			460	U
621-64-7         N-Nitroso-di-n-propylamine         460         U           67-72-1         Hexachloroethane         460         U           98-95-3         Nitrobenzene         460         U           78-59-1         Isophorone         460         U           88-75-5         2-Nitrophenol         460         U           105-67-9         2,4-Dimethylphenol         460         U           111-91-1         bis (2-Chloroethoxy)methane         460         U           120-83-2         2,4-Dichlorophenol         460         U           65-85-0         Benzoic acid         460         U           91-20-3         Naphthalene         460         U           106-47-8         4-Chloroaniline         460         U           87-68-3         Hexachlorobutadiene         460         U           91-57-6         2-Methylnaphthalene         460         U           91-57-6         2-Methylnaphthalene         460         U           88-06-2         2,4,6-Trichlorophenol         460         U           95-95-4         2,4,5-Trichlorophenol         1100         U           91-58-7         2-Chloronaphthalene         460         U	108-60-1	2,2-oxybis(1-Chloropropane)		460	U
67-72-1       Hexachloroethane       460       U         98-95-3       Nitrobenzene       460       U         78-59-1       Isophorone       460       U         88-75-5       2-Nitrophenol       460       U         105-67-9       2,4-Dimethylphenol       460       U         111-91-1       bis(2-Chloroethoxy)methane       460       U         120-83-2       2,4-Dichlorophenol       460       U         65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         95-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8 <td>106-44-5</td> <td>3+4-Methylphenols</td> <td></td> <td>460</td> <td>υ</td>	106-44-5	3+4-Methylphenols		460	υ
98-95-3         Nitrobenzene         460         U           78-59-1         Isophorone         460         U           88-75-5         2-Nitrophenol         460         U           105-67-9         2,4-Dimethylphenol         460         U           111-91-1         bis(2-Chloroethoxy)methane         460         U           120-83-2         2,4-Dichlorophenol         460         U           65-85-0         Benzoic acid         460         U           91-20-3         Naphthalene         460         U           106-47-8         4-Chloroaniline         460         U           87-68-3         Hexachlorobutadiene         460         U           91-57-6         2-Methylnaphthalene         460         U           91-57-6         2-Methylnaphthalene         460         U           88-06-2         2,4,6-Trichlorophenol         460         U           95-95-4         2,4,5-Trichlorophenol         1100         U           91-58-7         2-Chloronaphthalene         460         U           88-74-4         2-Nitroaniline         1100         U           131-11-3         Dimethylphthalate         460         U <t< td=""><td>621-64-7</td><td>N-Nitroso-di-n-propylamine</td><td></td><td>460</td><td>U</td></t<>	621-64-7	N-Nitroso-di-n-propylamine		460	U
78-59-1       Isophorone       460       U         88-75-5       2-Nitrophenol       460       U         105-67-9       2,4-Dimethylphenol       460       U         111-91-1       bis(2-Chloroethoxy)methane       460       U         120-83-2       2,4-Dichlorophenol       460       U         65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         95-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         88-06-2       2,4,6-Trichlorophenol       1100       U         95-95-4       2,4,5-Trichlorophenol       1100       U         88-74-4       2-Nitroaniline       1100       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690	67-72-1	Hexachloroethane		460	U
88-75-5       2-Nitrophenol       460       U         105-67-9       2,4-Dimethylphenol       460       U         111-91-1       bis(2-Chloroethoxy)methane       460       U         120-83-2       2,4-Dichlorophenol       460       U         65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690	98-95-3	Nitrobenzene		460	υ
105-67-9       2,4-Dimethylphenol       460       U         111-91-1       bis(2-Chloroethoxy)methane       460       U         120-83-2       2,4-Dichlorophenol       460       U         65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       1100       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690	78-59-1	Isophorone		460	υ
105-67-9       2,4-Dimethylphenol       460       U         111-91-1       bis(2-Chloroethoxy)methane       460       U         120-83-2       2,4-Dichlorophenol       460       U         65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       1100       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690	88-75-5	2-Nitrophenol	Ì	460	υ
111-91-1       bis(2-Chloroethoxy)methane       460       U         120-83-2       2,4-Dichlorophenol       460       U         65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690	105-67-9	_		460	U
120-83-2       2,4-Dichlorophenol       460       U         65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690					U
65-85-0       Benzoic acid       460       U         91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690			1		
91-20-3       Naphthalene       460       U         106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690					
106-47-8       4-Chloroaniline       460       U         87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690					
87-68-3       Hexachlorobutadiene       460       U         59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690			+		
59-50-7       4-Chloro-3-methylphenol       460       U         91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690			+	-	
91-57-6       2-Methylnaphthalene       460       U         77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690			-		
77-47-4       Hexachlorocyclopentadiene       460       U         88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690					
88-06-2       2,4,6-Trichlorophenol       460       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690					
95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690					
91-58-7       2-Chloronaphthalene       460       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690				<u> </u>	
88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       460       U         208-96-8       Acenaphthylene       690		_			Ū
131-11-3         Dimethylphthalate         460         U           208-96-8         Acenaphthylene         690		_			Ŭ
208-96-8 Acenaphthylene 690		1		1100	U
	131-11-3	Dimethylphthalate		460	U
606-20-2 2,6-Dinitrotoluene 460 U	208-96-8	Acenaphthylene		690	
	606-20-2	2,6-Dinitrotoluene		460	U
99-09-2 3-Nitroaniline 1100 U	99-09-2	3-Nitroaniline		1100	Ū
83-32-9 Acenaphthene 2400	83-32-9	Acenaphthene		2400	
51-28-5 2,4-Dinitrophenol 1100 U	51-28-5	2,4-Dinitrophenol		1100	U

EPA SAMPLE NO.

SW-04

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-12 Sample wt/vol: 30.1 (g/mL) Lab File ID: BE051423.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 28 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/24/2008 Injection Volume: 1.0 Dilution Factor: 1.0 GPC Cleanup: (Y/N) Extraction: (Type) SOXH N pH: N/A CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 100-02-7 4-Nitrophenol 1100 U 1900 132-64-9 Dibenzofuran 121-14-2 2,4-Dinitrotoluene 460 U 84-66-2 Diethylphthalate 460 U 7005-72-3 460 4-Chlorophenyl-phenylether U 3700 86-73-7 Fluorene  $\mathbf{E}$ 100-01-6 4-Nitroaniline 1100 U 534-52-1 U 4,6-Dinitro-2-methylphenol 1100 460 86-30-6 N-Nitrosodiphenylamine U 103-33-3 Azobenzene 460 U 101-55-3 4-Bromophenyl-phenylether 460 U 118-74-1 460 U Hexachlorobenzene 87-86-5 Pentachlorophenol 1100 TT 85-01-8 Phenanthrene 11000 Е 120-12-7 1300 Anthracene 84-74-2 Di-n-butylphthalate 460 U 206-44-0 1200 Fluoranthene 129-00-0 Pyrene 1300 460 85-68-7 Butylbenzylphthalate U 91-94-1 3,3-Dichlorobenzidine 460 TT 56-55-3 Benzo(a)anthracene 210 J 218-01-9 200 Chrysene J 117-81-7 bis(2-Ethylhexyl)phthalate 460 U 117-84-0 460 U Di-n-octyl phthalate 205-99-2 Benzo(b)fluoranthene 190 J 207-08-9 Benzo(k)fluoranthene 52 J 50-32-8 110 J Benzo(a)pyrene 193-39-5 Indeno(1,2,3-cd)pyrene 62 J 53-70-3 Dibenz(a,h)anthracene 460 U 191-24-2 Benzo(g,h,i)perylene 52 J

EPA SAMPLE NO.

SW-04DL

Lab Name: Chemtech Co	onsulting Group Con	tract: HRPA02	
Lab Code: CHEM	Case No.: Z4621 SAS N	o.: Z4621	SDG No.: Z4621
Matrix (soil/water):	SOIL	Sample ID: Z4621-	·12DL
Sample wt/vol: 30.3	1 (g/mL) g Lal	File ID: BE0514	48.D
Level: (low/med)		e Received: 9/2	20/2008
% Moisture: 28	Decanted: (Y/N) N Date	e Extracted: 9/2	23/2008
Concentrated Extract Vo	lume: 1000 (uL) Dat	e Analyzed: 9/2	25/2008
Injection Volume:	1.0 Di	ution Factor: 5	.0
GPC Cleanup: (Y/N)	N pH: N/A Ext	raction: (Type)	OXH
	CC	NCENTRATION UNITS:	
CAS NO.	COMPOUND (	ug/L or ug/Kg) ug/K	(g Q
108-95-2	Phenol	23	300 UD
111-44-4	bis(2-Chloroethyl)ether	23	300 UD
95-57-8	2-Chlorophenol	23	300 UD
100-51-6	Benzyl Alcohol	23	300 UD
95-48-7	2-Methylphenol	23	300 UD
108-60-1	2,2-oxybis(1-Chloropropane)	23	300 UD
106-44-5	3+4-Methylphenols	23	300 UD
621-64-7	N-Nitroso-di-n-propylamine		300 UD
67-72-1	Hexachloroethane		300 UD
98-95-3	Nitrobenzene	<u></u>	300 UD
78-59-1	Isophorone	<u></u>	300 UD
88-75-5	2-Nitrophenol	<del></del>	300 UD
105-67-9	2,4-Dimethylphenol	<del></del>	300 UD
111-91-1	bis(2-Chloroethoxy)methane		300 UD
120-83-2	2,4-Dichlorophenol		300 UD
65-85-0	Benzoic acid	<u></u>	300 UD
91-20-3	Naphthalene	<u></u>	300 UD
106-47-8	4-Chloroaniline	<u></u>	300 UD
87-68-3	Hexachlorobutadiene		300 UD
59-50-7	4-Chloro-3-methylphenol		
91-57-6	2-Methylnaphthalene	<del></del>	000 UD
77-47-4	Z-Methylhaphthalene   Hexachlorocyclopentadiene		000 UD
			300 UD
88-06-2	2,4,6-Trichlorophenol		300 UD
95-95-4	2,4,5-Trichlorophenol		700 UD
91-58-7	2-Chloronaphthalene		300 UD
88-74-4	2-Nitroaniline		700 UD
131-11-3	Dimethylphthalate		300 UD
208-96-8	Acenaphthylene		310 JD
606-20-2	2,6-Dinitrotoluene		300 UD
99-09-2	3-Nitroaniline		00 UD
83-32-9	Acenaphthene		000 D
51-28-5	2,4-Dinitrophenol	57	'00 UD

EPA SAMPLE NO.

SW-04DL

Lab Name: Chemtech Consulting Group	Contract:	HRPA02	
Lab Code: CHEM Case No.: Z4621	SAS No.:	<b>Z4621</b> SDG	No.: <u>Z4621</u>
Matrix (soil/water): SOIL	Lab Sample	= ID: <u>Z4621-12D</u> I	<u> </u>
Sample wt/vol: 30.1 (g/mL) g	Lab File	ID: <u>BE051448.</u> I	<u> </u>
Level: (low/med)	Date Rece	ived: 9/20/20	008
% Moisture: 28 Decanted: (Y/N)	N Date Extra	acted: 9/23/20	008
Concentrated Extract Volume: 1000 (u	L) Date Anal	yzed: 9/25/20	<del></del> 008
Injection Volume: 1.0	Dilution 1	Factor: 5.0	
GPC Cleanup: (Y/N) N pH: N/A	Extraction	n: (Type) SOXH	
<u> </u>		ATION UNITS:	
CAS NO. COMPOUND	(ug/L or		Q
100-02-7 4-Nitrophenol		5700	UD TD
132-64-9 Dibenzofuran		1700	JD
121-14-2 2,4-Dinitrotoluene		2300	UD
84-66-2 Diethylphthalate	7	2300	UD
7005-72-3 4-Chlorophenyl-pheny	rietner	2300	UD
86-73-7 Fluorene		4100	D
100-01-6 4-Nitroaniline		5700	UD
534-52-1 4,6-Dinitro-2-methyl		5700	UD
86-30-6 N-Nitrosodiphenylami	.ne	2300	UD
103-33-3 Azobenzene		2300	UD
101-55-3 4-Bromophenyl-phenyl	ether	2300	UD
118-74-1 Hexachlorobenzene		2300	UD
87-86-5 Pentachlorophenol		5700	UD
85-01-8 Phenanthrene		10000	D
120-12-7 Anthracene		640	JD
84-74-2 Di-n-butylphthalate		2300	UD
206-44-0 Fluoranthene		920	JD
129-00-0 Pyrene		1200	JD
85-68-7 Butylbenzylphthalate	-	2300	UD
91-94-1 3,3-Dichlorobenzidir	ne	2300	UD
56-55-3 Benzo(a)anthracene		2300	UD
218-01-9 Chrysene		2300	UD
117-81-7 bis(2-Ethylhexyl)pht	chalate	2300	UD
117-84-0 Di-n-octyl phthalate		2300	UD
205-99-2 Benzo(b)fluoranthene		2300	UD
207-08-9 Benzo(k)fluoranthene		2300	UD
50-32-8 Benzo(a)pyrene		2300	UD
193-39-5 Indeno(1,2,3-cd)pyre	ene	2300	UD
53-70-3 Dibenz(a,h)anthracer	ne	2300	UD
191-24-2 Benzo(g,h,i)perylene	9	2300	UD

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Contrac	t: HRPA02
Lab Code: CHEM	Case No.: <u>Z4621</u> SAS No.:	Z4621 SDG No.: Z4621
Matrix (soil/water):	SOIL Lab Sam	ple ID: Z4621-13
Sample wt/vol: 30.1	L (g/mL) g Lab Fil	e ID: BE051424.D
Level: (low/med)	Date Re	ceived: 9/20/2008
% Moisture: 21	Decanted: (Y/N) N Date Ex	tracted: 9/23/2008
Concentrated Extract Vo		alyzed: 9/24/2008
Injection Volume:		on Factor: 1.0
-		<u></u>
GPC Cleanup: (Y/N)	<del></del>	ion: (Type) <u>SOXH</u> TRATION UNITS:
CAS NO.		or ug/Kg) ug/Kg Q
108-95-2	Phenol	420 U
111-44-4	bis(2-Chloroethyl)ether	420 U
95-57-8	2-Chlorophenol	420 U
100-51-6	Benzyl Alcohol	420 U
95-48-7	2-Methylphenol	420 U
108-60-1	2,2-oxybis(1-Chloropropane)	420 U
106-44-5	3+4-Methylphenols	420 U
621-64-7	N-Nitroso-di-n-propylamine	420 U
67-72-1	Hexachloroethane	420 U
98-95-3	Nitrobenzene	
		+
78-59-1	Isophorone	420 U
88-75-5	2-Nitrophenol	420 U
105-67-9	2,4-Dimethylphenol	420 U
111-91-1	bis(2-Chloroethoxy)methane	420 U
120-83-2	2,4-Dichlorophenol	420 U
65-85-0	Benzoic acid	420 U
91-20-3	Naphthalene	420 U
106-47-8	4-Chloroaniline	420 U
87-68-3	Hexachlorobutadiene	420 U
59-50-7	4-Chloro-3-methylphenol	420 U
91-57-6	2-Methylnaphthalene	2500 E
77-47-4	Hexachlorocyclopentadiene	420 U
88-06-2	2,4,6-Trichlorophenol	420 U
95-95-4	2,4,5-Trichlorophenol	1000 U
91-58-7	2-Chloronaphthalene	420 U
88-74-4	2-Nitroaniline	1000 U
131-11-3	Dimethylphthalate	420 U
208-96-8	Acenaphthylene	720
606-20-2	2,6-Dinitrotoluene	420 U
99-09-2	3-Nitroaniline	1000 U
83-32-9	Acenaphthene	2300
51-28-5	2,4-Dinitrophenol	1000 U
31 20-3	12/1 Sinitit Opnehor	1 1000   0

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Conf	tract: <u>HRPA02</u>		
Lab Code: CHEM	Case No.: Z4621 SAS No.	Z4621	SDG No	.: Z4621
<pre>Matrix (soil/water):</pre>	SOIL Lab	Sample ID: Z	4621-13	
Sample wt/vol: 30.1	(g/mL) g Lab	File ID: B	E051424.D	
Level: (low/med)	Date	e Received:	9/20/2008	8_
% Moisture: 21	Decanted: (Y/N) N Date	e Extracted:	9/23/200	8
Concentrated Extract Vol		e Analyzed:	9/24/200	<del></del> 8
Injection Volume:	1.0 Dil	ution Factor:	1.0	<del></del>
GPC Cleanup: (Y/N)	N pH: N/A Ext	raction: (Type)	SOXH	
_	CO	NCENTRATION UNI	TS:	
CAS NO.		g/L or ug/Kg)	ug/Kg	Q
100.02.7		1		
100-02-7	4-Nitrophenol		1000	Ŭ
132-64-9	Dibenzofuran		1800	
121-14-2	2,4-Dinitrotoluene		420	Ŭ
84-66-2	Diethylphthalate		420	Ŭ
7005-72-3	4-Chlorophenyl-phenylether		420	Ŭ
86-73-7	Fluorene		3600	E
100-01-6	4-Nitroaniline		1000	U
534-52-1	4,6-Dinitro-2-methylphenol		1000	Ŭ
86-30-6	N-Nitrosodiphenylamine		420	U
103-33-3	Azobenzene		420	U
101-55-3	4-Bromophenyl-phenylether		420	Ū
118-74-1	Hexachlorobenzene		420	Ū
87-86-5	Pentachlorophenol		1000	Ū
85-01-8	Phenanthrene		11000	E
120-12-7	Anthracene		530	
84-74-2	Di-n-butylphthalate		420	Ū
206-44-0	Fluoranthene		790	
129-00-0	Pyrene		1000	
85-68-7	Butylbenzylphthalate		420	U
91-94-1	3,3-Dichlorobenzidine		420	U
56-55-3	Benzo(a)anthracene		100	J
218-01-9	Chrysene		120	J
117-81-7	bis(2-Ethylhexyl)phthalate		420	Ŭ
117-84-0	Di-n-octyl phthalate		420	Ŭ
205-99-2	Benzo(b)fluoranthene		58	J
207-08-9	Benzo(k)fluoranthene		420	Ŭ
50-32-8	Benzo(a)pyrene		420	U
193-39-5	Indeno(1,2,3-cd)pyrene		420	U
53-70-3	Dibenz(a,h)anthracene		420	U
191-24-2	Benzo(g,h,i)perylene		420	U

EPA SAMPLE NO.

SW-05DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-13DL Sample wt/vol: 30.1 (g/mL) Lab File ID: BE051449.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 21 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/25/2008 Injection Volume: 1.0 Dilution Factor: 5.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 2100 UD 111-44-4 bis(2-Chloroethyl)ether 2100 UD 95-57-8 2-Chlorophenol 2100 UD 100-51-6 Benzyl Alcohol 2100 UD 2100 95-48-7 2-Methylphenol UD 108-60-1 2,2-oxybis(1-Chloropropane) 2100 UD 106-44-5 3+4-Methylphenols 2100 UD 621-64-7 N-Nitroso-di-n-propylamine 2100 UD 67-72-1 Hexachloroethane 2100 UD 98-95-3 Nitrobenzene 2100 UD 78-59-1 Isophorone 2100 UD 88-75-5 2100 UD 2-Nitrophenol IJD 105-67-9 2,4-Dimethylphenol 2100 111-91-1 bis(2-Chloroethoxy)methane 2100 UD 120-83-2 2100 UD 2,4-Dichlorophenol 65-85-0 Benzoic acid 2100 UD 91-20-3 Naphthalene 2100 UD 106-47-8 4-Chloroaniline 2100 UD 87-68-3 Hexachlorobutadiene 2100 UD 59-50-7 2100 4-Chloro-3-methylphenol TID 91-57-6 2-Methylnaphthalene 2300 D 77-47-4 Hexachlorocyclopentadiene 2100 UD 88-06-2 2,4,6-Trichlorophenol 2100 UD 95-95-4 5200 2,4,5-Trichlorophenol UD 91-58-7 2-Chloronaphthalene 2100 UD 88-74-4 5200 UD 2-Nitroaniline 131-11-3 2100 UD Dimethylphthalate 208-96-8 Acenaphthylene 800 JD 606-20-2 2,6-Dinitrotoluene 2100 UD 99-09-2 3-Nitroaniline 5200 UD 83-32-9 2400 Acenaphthene D 51-28-5 2,4-Dinitrophenol 5200 UD

EPA SAMPLE NO.

SW-05DL

Lab Name: Chemtech Consulting Group	Contract:	HRPA02	
Lab Code: CHEM Case No.: Z4621	SAS No.:	24621 SDG	No.: <u>Z4621</u>
Matrix (soil/water): SOIL	Lab Sample	z4621-13DI	<u> </u>
Sample wt/vol: 30.1 (g/mL) g	Lab File	ID: <u>BE051449.</u> I	<u> </u>
Level: (low/med)	Date Rece	ived: 9/20/20	008
% Moisture: 21 Decanted: (Y/N	) N Date Extra	acted: 9/23/20	008
Concentrated Extract Volume: 1000	(uL) Date Anal	yzed: 9/25/20	008
Injection Volume: 1.0	Dilution 1	Factor: 5.0	<del></del>
GPC Cleanup: (Y/N) N pH: N/	/A Extraction	n: (Type) SOXH	
<del></del>	CONCENTRA	ATION UNITS:	
CAS NO. COMPOUND	(ug/L or	ug/Kg) ug/Kg	Q
100-02-7 4-Nitrophenol		5200	ŪD
132-64-9 Dibenzofuran		1700	JD
121-14-2 2,4-Dinitrotoluer	ne l	2100	UD UD
84-66-2 Diethylphthalate		2100	UD UD
7005-72-3 4-Chlorophenyl-pl	nenvlether	2100	UD UD
86-73-7 Fluorene		4000	D
100-01-6 4-Nitroaniline		5200	UD
534-52-1 4,6-Dinitro-2-me	thylphenol	5200	UD
86-30-6 N-Nitrosodipheny		2100	UD
103-33-3 Azobenzene		2100	UD
101-55-3 4-Bromophenyl-pho	enylether	2100	UD
118-74-1 Hexachlorobenzene		2100	UD
87-86-5 Pentachloropheno		5200	UD
85-01-8 Phenanthrene		9800	D
120-12-7 Anthracene		540	JD
84-74-2 Di-n-butylphthala	ate	2100	UD
206-44-0 Fluoranthene		600	JD
129-00-0 Pyrene		870	JD
85-68-7 Butylbenzylphtha	late	2100	UD
91-94-1 3,3-Dichlorobenz	idine	2100	UD
56-55-3 Benzo(a)anthrace	ne	2100	UD
218-01-9 Chrysene		2100	UD
117-81-7 bis(2-Ethylhexyl	)phthalate	2100	UD
117-84-0 Di-n-octyl phtha:	late	2100	UD
205-99-2 Benzo(b)fluorantl	nene	2100	UD
207-08-9 Benzo(k)fluorantl	nene	2100	UD
50-32-8 Benzo(a)pyrene		2100	UD
193-39-5 Indeno(1,2,3-cd)	pyrene	2100	UD
53-70-3 Dibenz(a,h)anthra	acene	2100	UD
191-24-2 Benzo(g,h,i)pery	lene	2100	UD

EPA SAMPLE NO.

Lab Name: <u>Chemtech Co</u>	onsulting Group Contra	ct: HRPA0	2	
Lab Code: CHEM	Case No.: Z4621 SAS No.:	Z4621	SDG No.	Z4621
Matrix (soil/water):	SOIL Lab Sa	mple ID:	Z4621-14	
Sample wt/vol: 30.0	) (g/mL) g Lab Fi	le ID:	BE051425.D	
Level: (low/med)	Date F	eceived:	9/20/2008	_
Moisture: 13	Decanted: (Y/N) N Date F	xtracted:	9/23/2008	•
Concentrated Extract Vo				•
		nalyzed:	9/24/2008	
Injection Volume:	1.0 Diluti	on Factor:	1.0	_
GPC Cleanup: (Y/N)	N pH: N/A Extrac	tion: (Type	s) SOXH	
		NTRATION UN		
CAS NO.	COMPOUND (ug/	L or ug/Kg)	ug/Kg	Q
108-95-2	Phenol		380	Ŭ
111-44-4	bis(2-Chloroethyl)ether		380	U
95-57-8	2-Chlorophenol		380	U
100-51-6	Benzyl Alcohol		380	U
95-48-7	2-Methylphenol		380	U
108-60-1	2,2-oxybis(1-Chloropropane)		380	U
106-44-5	3+4-Methylphenols	i	380	U
621-64-7	N-Nitroso-di-n-propylamine		380	U
67-72-1	Hexachloroethane		380	Ū
98-95-3	Nitrobenzene		380	Ū
78-59-1	Isophorone		380	Ū
88-75-5	2-Nitrophenol		380	Ū
105-67-9	2,4-Dimethylphenol		380	Ū
111-91-1	bis(2-Chloroethoxy)methane		380	Ū
120-83-2	2,4-Dichlorophenol	1	380	<u>ט</u>
	Benzoic acid			
65-85-0			380	<u>U</u>
91-20-3	Naphthalene		380	<u>U</u>
106-47-8	4-Chloroaniline		380	Ŭ
87-68-3	Hexachlorobutadiene		380	Ŭ
59-50-7	4-Chloro-3-methylphenol		380	Ŭ
91-57-6	2-Methylnaphthalene		5600	E
77-47-4	Hexachlorocyclopentadiene		380	υ
88-06-2	2,4,6-Trichlorophenol		380	υ
95-95-4	2,4,5-Trichlorophenol		950	U
91-58-7	2-Chloronaphthalene		380	Ū
88-74-4	2-Nitroaniline		950	U
131-11-3	Dimethylphthalate		380	U
208-96-8	Acenaphthylene		410	
606-20-2	2,6-Dinitrotoluene		380	υ
99-09-2	3-Nitroaniline		950	υ
83-32-9	Acenaphthene		1200	
	·			

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract:	HRPA02	2	_
Lab Code: CHEM	Case No.: Z4621 SA	AS No.:	Z4621	SDG N	o.: Z4621
Matrix (soil/water):	SOIL	Lab Sampl	e ID: 2	Z4621-14	
Sample wt/vol: 30.0	) (g/mL) g	Lab File	ID: I	BE051425.D	
Level: (low/med)	<u> </u>	Date Rece	ived:	9/20/20	08_
% Moisture: 13	Decanted: (Y/N) N	Date Extr	acted:	9/23/20	08
Concentrated Extract Vo	lume: 1000 (uL)	Date Anal	yzed:	9/24/20	08
Injection Volume:	1.0	Dilution	Factor:	1.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extractio	n: (Type	) SOXH	
			ATION UN		
CAS NO.	COMPOUND		r ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol	Т		950	U
132-64-9	Dibenzofuran			1100	
121-14-2	2,4-Dinitrotoluene			380	U
84-66-2	Diethylphthalate	1		380	Ū
7005-72-3	4-Chlorophenyl-phenylethe	er		380	U
86-73-7	Fluorene	er		2100	
100-01-6	4-Nitroaniline			950	U
534-52-1	4,6-Dinitro-2-methylpheno	21		950	Ū
86-30-6	N-Nitrosodiphenylamine	51		380	U
103-33-3	Azobenzene			380	Ū
101-55-3	4-Bromophenyl-phenylether	r		380	Ū
118-74-1	Hexachlorobenzene	<u> </u>		380	Ū
87-86-5	Pentachlorophenol	<u> </u>		950	Ū
85-01-8	Phenanthrene			5600	E
120-12-7	Anthracene			340	J
84-74-2	Di-n-butylphthalate			380	Ū
206-44-0	Fluoranthene			350	J
129-00-0	Pyrene	1		420	
85-68-7	Butylbenzylphthalate	1		380	υ
91-94-1	3,3-Dichlorobenzidine	i		380	Ū
56-55-3	Benzo(a)anthracene	i		50	J
218-01-9	Chrysene	i		48	J
117-81-7	bis(2-Ethylhexyl)phthala	te		380	Ū
117-84-0	Di-n-octyl phthalate			380	Ū
205-99-2	Benzo(b)fluoranthene			380	Ū
207-08-9	Benzo(k)fluoranthene	Ī		380	Ū
50-32-8	Benzo(a)pyrene	<u>_</u>		380	Ū
193-39-5	Indeno(1,2,3-cd)pyrene	Ī		380	Ū
53-70-3	Dibenz(a,h)anthracene			380	Ū
191-24-2	Benzo(g,h,i)perylene			380	Ū
L	·				

EPA SAMPLE NO.

SW-06DL

Lab Name: Chemtech Co	onsulting Group Contract	: HRPA02
Lab Code: CHEM	Case No.: Z4621 SAS No.:	Z4621 SDG No.: Z4621
Matrix (soil/water):	SOIL Lab Samp	le ID: Z4621-14DL
Sample wt/vol: 30.0	) (g/mL) g Lab File	BE051452.D
Level: (low/med)		eived: 9/20/2008
Moisture: 13		<u> </u>
<u>==</u>		
Concentrated Extract Vo	lume: 1000 (uL) Date Ana	1yzed: 9/25/2008
Injection Volume:	1.0 Dilution	Factor: 5.0
GPC Cleanup: (Y/N)	N pH: N/A Extracti	on: (Type) SOXH
	CONCENT	RATION UNITS:
CAS NO.	COMPOUND (ug/L	or ug/Kg Q
108-95-2	Phenol	1900 UD
111-44-4	bis(2-Chloroethyl)ether	1900 UD
95-57-8	2-Chlorophenol	1900 UD
100-51-6	Benzyl Alcohol	1900 UD
95-48-7	2-Methylphenol	1900 UD
108-60-1	2,2-oxybis(1-Chloropropane)	1900 UD
106-44-5	3+4-Methylphenols	1900 UD
621-64-7	N-Nitroso-di-n-propylamine	1900 UD
67-72-1	Hexachloroethane	1900 UD
98-95-3	Nitrobenzene	1900 UD
78-59-1	Isophorone	1900 UD
88-75-5	2-Nitrophenol	1900 UD
105-67-9	2,4-Dimethylphenol	1900 UD
111-91-1	bis(2-Chloroethoxy)methane	1900 UD
120-83-2	2,4-Dichlorophenol	1900 UD
65-85-0	Benzoic acid	1900 UD
91-20-3	Naphthalene	1900 UD
106-47-8	4-Chloroaniline	1900 UD
87-68-3	Hexachlorobutadiene	1900 UD
59-50-7	4-Chloro-3-methylphenol	1900 UD
91-57-6	2-Methylnaphthalene	5500 D
77-47-4	Hexachlorocyclopentadiene	1900 UD
88-06-2	2,4,6-Trichlorophenol	1900 UD
95-95-4	2,4,5-Trichlorophenol	4800 UD
91-58-7	2-Chloronaphthalene	1900 UD
88-74-4	2-Nitroaniline	4800 UD
131-11-3	Dimethylphthalate	1900 UD
208-96-8	Acenaphthylene	450 JD
606-20-2	2,6-Dinitrotoluene	1900 UD
99-09-2	3-Nitroaniline	4800 UD
83-32-9	Acenaphthene	1300 JD
51-28-5	2,4-Dinitrophenol	4800 UD

EPA SAMPLE NO.

SW-06DL

Lab Name: Chemtech Co	onsulting Group	Contract:	HRPA02	1	
Lab Code: CHEM	Case No.: Z4621 SA	S No.:	Z4621	SDG 1	No.: Z4621
Matrix (soil/water):	SOIL	Lab Sampl	e ID: Z	4621-14DL	
Sample wt/vol: 30.0	) (g/mL) g	Lab File	ID: E	E051452.D	
Level: (low/med)	<u> </u>	Date Rece	ived:	9/20/20	08
% Moisture: 13	Decanted: (Y/N) N	Date Extr	acted:	9/23/20	08
Concentrated Extract Vol	lume: 1000 (uL)	Date Anal	yzed:	9/25/20	08
Injection Volume:	1.0	Dilution	Factor:	5.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extractio	n: (Type	) SOXH	
	<u> </u>		ATION UN		
CAS NO.	COMPOUND		r ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol			4800	UD
132-64-9	Dibenzofuran			1100	JD
121-14-2	2,4-Dinitrotoluene			1900	UD
84-66-2	Diethylphthalate			1900	UD
7005-72-3	4-Chlorophenyl-phenylethe	r		1900	UD
86-73-7	Fluorene			2400	D
100-01-6	4-Nitroaniline			4800	UD
534-52-1	4,6-Dinitro-2-methylpheno	\1		4800	UD
86-30-6	N-Nitrosodiphenylamine	, <u> </u>		1900	UD
103-33-3	Azobenzene			1900	UD
101-55-3	4-Bromophenyl-phenylether			1900	UD
118-74-1	Hexachlorobenzene			1900	UD
87-86-5	Pentachlorophenol			4800	UD
85-01-8	Phenanthrene			5800	D D
120-12-7	Anthracene			380	JD
84-74-2	Di-n-butylphthalate			1900	UD
206-44-0	Fluoranthene			290	JD
129-00-0	Pyrene			400	JD
85-68-7	Butylbenzylphthalate			1900	UD
91-94-1	3,3-Dichlorobenzidine			1900	UD
56-55-3	Benzo(a)anthracene			1900	UD
218-01-9	Chrysene			1900	UD
117-81-7	bis(2-Ethylhexyl)phthalat	· e		1900	UD
117-84-0	Di-n-octyl phthalate			1900	UD
205-99-2	Benzo(b)fluoranthene			1900	UD
207-08-9	Benzo(k)fluoranthene			1900	UD
50-32-8	Benzo(a)pyrene			1900	UD
193-39-5	Indeno(1,2,3-cd)pyrene			1900	UD
53-70-3	Dibenz(a,h)anthracene			1900	UD
191-24-2	Benzo(g,h,i)perylene			1900	UD
	(3,, - , For , 20110			_,,,,	

EPA SAMPLE NO.

b Code: CHEM	Case No.: Z4621 SAS N	o.: Z4621	SDG N	o.: Z4621
trix (soil/water):	SOIL Lak	Sample ID:	 Z4621-15	
mple wt/vol: 30.		File ID:	BE051431.D	
- · · · · · · · · · · · · · · · · · · ·	<u> </u>			
vel: (low/med)		te Received:	9/20/200	18
Moisture: 18	Decanted: (Y/N) N Date	te Extracted	9/23/200	8
ncentrated Extract Vo	olume: 1000 (uL) Dat	te Analyzed:	9/24/200	8
jection Volume:	1.0 Di	lution Facto	r: 1.0	
C Cleanup: (Y/N)	N pH: N/A Ext	traction: (T	ype) SOXH	
- , , ,		ONCENTRATION		
CAS NO.	COMPOUND (	ug/L or ug/E	Kg) ug/Kg	Q
108-95-2	Phenol		400	Ū
111-44-4	bis(2-Chloroethyl)ether	İ	400	Ū
95-57-8	2-Chlorophenol		400	U
100-51-6	Benzyl Alcohol		400	Ū
95-48-7	2-Methylphenol		400	Ū
108-60-1	2,2-oxybis(1-Chloropropane)		400	U
106-44-5	3+4-Methylphenols		400	U
621-64-7	N-Nitroso-di-n-propylamine		400	Ū
67-72-1	Hexachloroethane		400	U
98-95-3	Nitrobenzene		400	U
78-59-1	Isophorone		400	Ū
88-75-5	2-Nitrophenol		400	Ū
105-67-9	2,4-Dimethylphenol		400	U
111-91-1	bis(2-Chloroethoxy)methane		400	Ŭ
120-83-2	2,4-Dichlorophenol		400	Ŭ
65-85-0	Benzoic acid		400	<u>U</u>
91-20-3	Naphthalene		400	Ŭ 
106-47-8	4-Chloroaniline Hexachlorobutadiene		400	Ŭ
87-68-3			400	Ŭ
59-50-7 91-57-6	4-Chloro-3-methylphenol 2-Methylnaphthalene		14000	U E
77-47-4	Hexachlorocyclopentadiene		400	U
88-06-2	2,4,6-Trichlorophenol		400	Ū
95-95-4	2,4,5-Trichlorophenol		1000	Ū
91-58-7	2-Chloronaphthalene	<u> </u>	400	Ū
88-74-4	2-Nitroaniline		1000	Ū
131-11-3	Dimethylphthalate	<u> </u> 	400	Ū
208-96-8	Acenaphthylene		420	
606-20-2	2,6-Dinitrotoluene		400	Ū
99-09-2	3-Nitroaniline		1000	Ū
83-32-9	Acenaphthene		1300	
51-28-5	2,4-Dinitrophenol		1000	U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract:	HRPA02		
Lab Code: CHEM	Case No.: Z4621 SA	S No.:	Z4621	SDG 1	No.: Z4621
Matrix (soil/water):	SOIL	Lab Sampl	e ID: Z	4621-15	
Sample wt/vol: 30.1	L (g/mL) g	Lab File	ID: B	E051431.D	
Level: (low/med)	<del></del>	Date Rece	eived:	9/20/20	08
% Moisture: 18	Decanted: (Y/N) N	Date Extr	cacted:	9/23/20	08
Concentrated Extract Vo		Data Anal			
	lume: 1000 (uL)	Date Anal	ryzea:	9/24/20	<u> </u>
Injection Volume:	1.0	Dilution	Factor:	1.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type)	SOXH	
	<del></del>	CONCENTE	RATION UNI	TS:	
CAS NO.	COMPOUND	(ug/L o	r ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol			1000	Ū
132-64-9	Dibenzofuran			1100	
121-14-2	2,4-Dinitrotoluene			400	Ū
84-66-2	Diethylphthalate			400	U
7005-72-3	4-Chlorophenyl-phenylethe	r		400	U
86-73-7	Fluorene			2300	
100-01-6	4-Nitroaniline			1000	Ū
534-52-1	4,6-Dinitro-2-methylpheno	1		1000	Ū
86-30-6	N-Nitrosodiphenylamine			400	Ū
103-33-3	Azobenzene			400	υ
101-55-3	4-Bromophenyl-phenylether	•		400	U
118-74-1	Hexachlorobenzene			400	U
87-86-5	Pentachlorophenol			1000	U
85-01-8	Phenanthrene			5800	E
120-12-7	Anthracene			550	
84-74-2	Di-n-butylphthalate			400	U
206-44-0	Fluoranthene			600	
129-00-0	Pyrene			600	
85-68-7	Butylbenzylphthalate			400	Ŭ
91-94-1	3,3-Dichlorobenzidine			400	Ŭ
56-55-3	Benzo(a)anthracene			110	J
218-01-9	Chrysene			120	J
117-81-7	bis(2-Ethylhexyl)phthalat	e		400	Ū
117-84-0	Di-n-octyl phthalate			400	<u>U</u>
205-99-2	Benzo(b)fluoranthene			98	J
207-08-9	Benzo(k)fluoranthene			400	Ŭ
50-32-8	Benzo(a)pyrene			64	J
193-39-5	Indeno(1,2,3-cd)pyrene			400	Ŭ
53-70-3	Dibenz(a,h)anthracene			400	Ŭ
191-24-2	Benzo(g,h,i)perylene			400	Ŭ

EPA SAMPLE NO.

SW-07DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-15DL Sample wt/vol: 30.1 (g/mL) Lab File ID: BE051455.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 18 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/25/2008 Injection Volume: 1.0 Dilution Factor: 10.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 4000 UD 111-44-4 bis(2-Chloroethyl)ether 4000 UD 95-57-8 2-Chlorophenol 4000 UD 100-51-6 Benzyl Alcohol 4000 UD 4000 95-48-7 2-Methylphenol UD 108-60-1 2,2-oxybis(1-Chloropropane) 4000 UD 106-44-5 3+4-Methylphenols 4000 UD 621-64-7 N-Nitroso-di-n-propylamine 4000 UD 67-72-1 Hexachloroethane 4000 UD 98-95-3 Nitrobenzene 4000 UD 78-59-1 Isophorone 4000 UD 88-75-5 4000 UD 2-Nitrophenol IJD 105-67-9 2,4-Dimethylphenol 4000 111-91-1 bis(2-Chloroethoxy)methane 4000 UD 120-83-2 4000 UD 2,4-Dichlorophenol 65-85-0 Benzoic acid 4000 UD 91-20-3 Naphthalene 4000 UD 106-47-8 4-Chloroaniline 4000 UD 87-68-3 Hexachlorobutadiene 4000 UD 59-50-7 4000 4-Chloro-3-methylphenol TID 91-57-6 2-Methylnaphthalene 17000 D 77-47-4 Hexachlorocyclopentadiene 4000 UD 88-06-2 2,4,6-Trichlorophenol 4000 UD 95-95-4 10000 2,4,5-Trichlorophenol UD 91-58-7 2-Chloronaphthalene 4000 UD 88-74-4 10000 UD 2-Nitroaniline 131-11-3 4000 UD Dimethylphthalate 208-96-8 Acenaphthylene 500 JD 606-20-2 2,6-Dinitrotoluene 4000 UD 99-09-2 3-Nitroaniline 10000 UD 83-32-9 1500 Acenaphthene JD 51-28-5 2,4-Dinitrophenol 10000 UD

EPA SAMPLE NO.

SW-07DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-15DL Sample wt/vol: 30.1 (g/mL) Lab File ID: BE051455.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 18 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/25/2008 Injection Volume: 1.0 Dilution Factor: 10.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 10000 100-02-7 4-Nitrophenol UD 132-64-9 Dibenzofuran 1200 JD 121-14-2 2,4-Dinitrotoluene 4000 UD 84-66-2 Diethylphthalate 4000 UD 7005-72-3 4000 4-Chlorophenyl-phenylether UD 86-73-7 Fluorene 2800 JD 100-01-6 4-Nitroaniline 10000 UD 534-52-1 10000 UD 4,6-Dinitro-2-methylphenol 86-30-6 N-Nitrosodiphenylamine 4000 UD 103-33-3 Azobenzene 4000 UD 101-55-3 4-Bromophenyl-phenylether 4000 UD 118-74-1 UD Hexachlorobenzene 4000 87-86-5 IJD Pentachlorophenol 10000 85-01-8 Phenanthrene 6500 D 120-12-7 450 JD Anthracene 84-74-2 Di-n-butylphthalate 4000 UD 206-44-0 Fluoranthene 600 JD 129-00-0 Pyrene 690 JD 85-68-7 4000 Butylbenzylphthalate UD 91-94-1 3,3-Dichlorobenzidine 4000 UD 56-55-3 Benzo(a)anthracene 4000 UD 218-01-9 4000 UD Chrysene 117-81-7 bis(2-Ethylhexyl)phthalate 4000 UD 117-84-0 4000 Di-n-octyl phthalate UD 205-99-2 Benzo(b)fluoranthene 4000 UD 207-08-9 Benzo(k)fluoranthene 4000 UD 50-32-8 4000 UD Benzo(a)pyrene 193-39-5 Indeno(1,2,3-cd)pyrene 4000 UD 53-70-3 Dibenz(a,h)anthracene 4000 UD 191-24-2 Benzo(g,h,i)perylene 4000 UD

EPA SAMPLE NO.

Code: CHEM	Case No.: Z4621 SAS	S No.:	Z4621	SDG No	.: Z4621
rix (soil/water):	SOIL	Lab Samp	Le ID:	Z4621-16	<u> </u>
ple wt/vol: 30	.0 (g/mL) g	Lab File	ID:	BE051426.D	
el: (low/med)	<del></del>	Date Rec	eived:	9/20/2008	<del></del> 3
oisture: 40	Decanted: (Y/N) N	Date Ext	racted:	9/23/200	<u>—</u> В
centrated Extract V		Date Ana	lyzed:	9/24/200	<del></del> B
ection Volume:	1.0	Dilution	Factor:	1.0	_
Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Typ	e) SOXH	
Crounapt (1/11)	N PM N/A		RATION U		
CAS NO.	COMPOUND		r ug/Kg		Q
108-95-2	Phenol		1	550	U
111-44-4	bis(2-Chloroethyl)ether			550	Ū
95-57-8	2-Chlorophenol			550	U
100-51-6	Benzyl Alcohol			550	U
95-48-7	2-Methylphenol			550	U
108-60-1	2,2-oxybis(1-Chloropropan	e)		550	Ū
106-44-5	3+4-Methylphenols			550	U
621-64-7	N-Nitroso-di-n-propylamin	e		550	U
67-72-1	Hexachloroethane			550	Ū
98-95-3	Nitrobenzene			550	U
78-59-1	Isophorone			550	Ū
88-75-5	2-Nitrophenol			550	U
105-67-9	2,4-Dimethylphenol			550	U
111-91-1	bis(2-Chloroethoxy)methan	е		550	Ŭ
120-83-2	2,4-Dichlorophenol			550	Ŭ
65-85-0	Benzoic acid			550	Ū
91-20-3	Naphthalene			550	Ū
106-47-8	4-Chloroaniline			550	U
87-68-3	Hexachlorobutadiene			550	U
59-50-7	4-Chloro-3-methylphenol			550	U
91-57-6	2-Methylnaphthalene			820	
77-47-4	Hexachlorocyclopentadiene			550	U
88-06-2	2,4,6-Trichlorophenol			550	U
95-95-4	2,4,5-Trichlorophenol			1400	U
91-58-7	2-Chloronaphthalene			550	U
88-74-4	2-Nitroaniline			1400	U
131-11-3	Dimethylphthalate			550	U
208-96-8	Acenaphthylene			550	U
606-20-2	2,6-Dinitrotoluene			550	U
99-09-2	3-Nitroaniline			1400	U
83-32-9	Acenaphthene			110	J
51-28-5	2,4-Dinitrophenol			1400	U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract	: HRPA02		
Lab Code: CHEM	Case No.: <u>Z4621</u> S	AS No.:	Z4621	SDG No.:	Z4621
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sampl	le ID: <u>Z462</u>	1-16	
Sample wt/vol: 30.0	) (g/mL) <u>g</u>	Lab File	ID: BE05	1426.D	_
Level: (low/med)		Date Rec	eived: 9	/20/2008	
% Moisture: 40	Decanted: (Y/N) N	Date Ext	racted: 9	/23/2008	
Concentrated Extract Vo	lume: 1000 (uL)	Date Ana	lyzed: 9	/24/2008	
Injection Volume:	1.0	Dilution	Factor:	1.0	_
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type)	SOXH	
		CONCENT	RATION UNITS:		
CAS NO.	COMPOUND	(ug/L c	or ug/Kg) ug	/Kg	Q
100-02-7	4-Nitrophenol			1400	υ
132-64-9	Dibenzofuran			79	J
121-14-2	2,4-Dinitrotoluene			550	υ
84-66-2	Diethylphthalate			550	υ
7005-72-3	4-Chlorophenyl-phenyleth	er		550	υ
86-73-7	Fluorene			190	J
100-01-6	4-Nitroaniline			1400	Ū
534-52-1	4,6-Dinitro-2-methylphen	01		1400	Ū
86-30-6	N-Nitrosodiphenylamine			550	U
103-33-3	Azobenzene			550	U
101-55-3	4-Bromophenyl-phenylethe	r		550	U
118-74-1	Hexachlorobenzene	_		550	U
87-86-5	Pentachlorophenol			1400	U
85-01-8	Phenanthrene			370	
					J
120-12-7	Anthracene			550	Ŭ
84-74-2	Di-n-butylphthalate			550	Ŭ
206-44-0	Fluoranthene			550	Ŭ
129-00-0	Pyrene			550	Ŭ
85-68-7	Butylbenzylphthalate			550	υ
91-94-1	3,3-Dichlorobenzidine			550	υ
56-55-3	Benzo(a)anthracene			550	υ
218-01-9	Chrysene			550	υ
117-81-7	bis(2-Ethylhexyl)phthala	te		550	υ
117-84-0	Di-n-octyl phthalate			550	υ
205-99-2	Benzo(b)fluoranthene			550	υ
207-08-9	Benzo(k)fluoranthene			550	U
50-32-8	Benzo(a)pyrene			550	U
193-39-5	Indeno(1,2,3-cd)pyrene			550	υ
53-70-3	Dibenz(a,h)anthracene			550	Ū
191-24-2	Benzo(g,h,i)perylene			550	Ū
			I		

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Contra	ct: <u>HRPA02</u>		
Lab Code: CHEM	Case No.: Z4621 SAS No.:	Z4621	SDG No.:	Z4621
Matrix (soil/water):	SOIL Lab Sa	mple ID: Z46	521-17	
Sample wt/vol: 30.3	l (g/mL) g Lab Fi	le ID: BE(	)51436.D	
Level: (low/med)	Date R	eceived:	9/20/2008	_
% Moisture: 26	Decanted: (Y/N) N Date E	xtracted:	9/23/2008	
Concentrated Extract Vo	 lume: 1000 (uL) Date A	nalyzed:	9/25/2008	
Injection Volume:	1.0 Diluti	on Factor:	5.0	
GPC Cleanup: (Y/N)		tion: (Type)		_
GPC Cleanup: (1/N)		CION: (Type) NTRATION UNIT:	SOXH	_
CAS NO.			ıg/Kg	Q
108-95-2	Phenol		2200	υ
111-44-4	bis(2-Chloroethyl)ether		2200	Ū
95-57-8	2-Chlorophenol		2200	Ū
100-51-6	Benzyl Alcohol		2200	Ū
95-48-7	2-Methylphenol		2200	Ū
108-60-1	2,2-oxybis(1-Chloropropane)		2200	Ū
106-44-5	3+4-Methylphenols		2200	Ū
621-64-7	N-Nitroso-di-n-propylamine		2200	Ū
67-72-1	Hexachloroethane		2200	Ū
98-95-3	Nitrobenzene		2200	Ū
78-59-1	Isophorone		2200	Ū
88-75-5	2-Nitrophenol		2200	Ū
105-67-9	2,4-Dimethylphenol		300	J
111-91-1	bis(2-Chloroethoxy)methane		2200	Ū
120-83-2	2,4-Dichlorophenol		2200	Ū
65-85-0	Benzoic acid		2200	Ū
91-20-3	Naphthalene		2200	Ū
106-47-8	4-Chloroaniline		2200	ΰ
87-68-3	Hexachlorobutadiene		2200	ΰ
59-50-7	4-Chloro-3-methylphenol		2200	ΰ
91-57-6	2-Methylnaphthalene		2200	σ
77-47-4	Hexachlorocyclopentadiene		2200	σ
	2,4,6-Trichlorophenol			Ū
88-06-2			2200	
95-95-4	2,4,5-Trichlorophenol		5600	Ŭ
91-58-7	2-Chloronaphthalene	<u> </u>	2200	Ŭ
88-74-4	2-Nitroaniline		5600	Ŭ
131-11-3	Dimethylphthalate		2200	<u>U</u>
208-96-8	Acenaphthylene		550	J
606-20-2	2,6-Dinitrotoluene		2200	<u>U</u>
99-09-2	3-Nitroaniline		5600	Ŭ
83-32-9	Acenaphthene		2000	J
51-28-5	2,4-Dinitrophenol		5600	Ŭ

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract: HRF	PA02	
Lab Code: CHEM	Case No.: Z4621 SA	AS No.: Z4621	SDG No.	z4621
Matrix (soil/water):	SOIL	Lab Sample ID:	Z4621-17	
Sample wt/vol: 30.1	L (g/mL) g	Lab File ID:	BE051436.D	
Level: (low/med)	<del>_</del>	Date Received:	9/20/2008	<del></del>
% Moisture: 26	Decanted: (Y/N) N	Date Extracted	9/23/2008	_
Concentrated Extract Vo	lume: 1000 (uL)	Date Analyzed:	9/25/2008	-
Injection Volume:	1.0	Dilution Facto	r: 5.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction: (T	ype) SOXH	_
		CONCENTRATION	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/	(g) ug/Kg	Q
100-02-7	4-Nitrophenol		5600	U
132-64-9	Dibenzofuran		1200	J
121-14-2	2,4-Dinitrotoluene		2200	U
84-66-2	Diethylphthalate		2200	U
7005-72-3	4-Chlorophenyl-phenyletho	er	2200	U
86-73-7	Fluorene		3000	
100-01-6	4-Nitroaniline		5600	U
534-52-1	4,6-Dinitro-2-methylpheno	ol	5600	U
86-30-6	N-Nitrosodiphenylamine		2200	U
103-33-3	Azobenzene		2200	U
101-55-3	4-Bromophenyl-phenylether	r	2200	U
118-74-1	Hexachlorobenzene		2200	U
87-86-5	Pentachlorophenol		5600	U
85-01-8	Phenanthrene		9700	
120-12-7	Anthracene		1200	J
84-74-2	Di-n-butylphthalate		2200	U
206-44-0	Fluoranthene		5900	
129-00-0	Pyrene		4400	
85-68-7	Butylbenzylphthalate		2200	U
91-94-1	3,3-Dichlorobenzidine		2200	U
56-55-3	Benzo(a)anthracene		2000	J
218-01-9	Chrysene		2000	J
117-81-7	bis(2-Ethylhexyl)phthala	te	2200	U
117-84-0	Di-n-octyl phthalate		2200	υ
205-99-2	Benzo(b)fluoranthene		2200	J
207-08-9	Benzo(k)fluoranthene		670	J
50-32-8	Benzo(a)pyrene		1500	J
193-39-5	Indeno(1,2,3-cd)pyrene		1100	J
53-70-3	Dibenz(a,h)anthracene		250	J
191-24-2	Benzo(g,h,i)perylene		930	J

EPA SAMPLE NO.

Code: CHEM	Case No.: Z4621 SAS	S No.:	Z4621	SDG N	o.: Z4621
trix (soil/water):	SOIL	Lab Sampl	le ID:	Z4621-18	
mple wt/vol: 30	.0 (g/mL) g	Lab File	ID:	BE051427.D	
vel: (low/med)	<del></del>	Date Rec	eived:	9/20/200	 08
Moisture: 13	Decanted: (Y/N) N	Date Ext	racted.	9/23/20	
	<del>_</del>				
ncentrated Extract V	olume: 1000 (uL)	Date Ana	Lyzed:	9/24/20	08
jection Volume:	1.0	Dilution	Factor:	1.0	
C Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Typ	e) SOXH	
		CONCENT	RATION U	NITS:	
CAS NO.	COMPOUND	(ug/L c	or ug/Kg	ug/Kg	Q
108-95-2	Phenol			380	υ
111-44-4	bis(2-Chloroethyl)ether			380	υ
95-57-8	2-Chlorophenol			380	U
100-51-6	Benzyl Alcohol			380	υ
95-48-7	2-Methylphenol			380	υ
108-60-1	2,2-oxybis(1-Chloropropan	e)		380	υ
106-44-5	3+4-Methylphenols			380	υ
621-64-7	N-Nitroso-di-n-propylamin	е		380	υ
67-72-1	Hexachloroethane			380	υ
98-95-3	Nitrobenzene			380	υ
78-59-1	Isophorone			380	υ
88-75-5	2-Nitrophenol			380	υ
105-67-9	2,4-Dimethylphenol			380	υ
111-91-1	bis(2-Chloroethoxy)methan	е		380	υ
120-83-2	2,4-Dichlorophenol			380	υ
65-85-0	Benzoic acid			380	υ
91-20-3	Naphthalene			380	υ
106-47-8	4-Chloroaniline			380	υ
87-68-3	Hexachlorobutadiene			380	υ
59-50-7	4-Chloro-3-methylphenol			380	υ
91-57-6	2-Methylnaphthalene			380	υ
77-47-4	Hexachlorocyclopentadiene			380	Ŭ
88-06-2	2,4,6-Trichlorophenol			380	υ
95-95-4	2,4,5-Trichlorophenol			950	υ
91-58-7	2-Chloronaphthalene			380	υ
88-74-4	2-Nitroaniline			950	υ
131-11-3	Dimethylphthalate			380	υ
208-96-8	Acenaphthylene			270	J
606-20-2	2,6-Dinitrotoluene			380	υ
99-09-2	3-Nitroaniline			950	υ
83-32-9	Acenaphthene			650	
51-28-5	2,4-Dinitrophenol		ĺ	950	υ

EPA SAMPLE NO.

Lab Name: Chemtech Consulting	g Group Contract	HRPA02	
Lab Code: CHEM Case No	: <u>Z4621</u> SAS No.:	Z4621 SDG	No.: <u>Z4621</u>
Matrix (soil/water): SOIL	Lab Samp	Le ID: <u>Z4621-18</u>	
Sample wt/vol: 30.0 (g/	mL) g Lab File	ID: BE051427.	<u>D</u>
Level: (low/med)	Date Rece	eived: 9/20/2	008_
% Moisture: 13 Dec	anted: (Y/N) N Date Ext	racted: 9/23/2	008
Concentrated Extract Volume:		lyzed: 9/24/2	008
Injection Volume: 1.0	Dilution	Factor: 1.0	
GPC Cleanup: (Y/N) N	pH: N/A Extraction	on: (Type) SOXH	
	CONCENT	RATION UNITS:	
CAS NO. COMPOUN	D (ug/L c	r ug/Kg) ug/Kg	Q
100-02-7 4-Nitro	phenol	950	U
132-64-9 Dibenzo		430	
121-14-2 2,4-Din	itrotoluene	380	Ū
84-66-2 Diethyl	phthalate	380	Ū
7005-72-3 4-Chlor	ophenyl-phenylether	380	Ū
86-73-7 Fluoren	e	1100	
100-01-6 4-Nitro	aniline	950	Ū
534-52-1 4,6-Din	itro-2-methylphenol	950	Ū
	sodiphenylamine	380	Ū
103-33-3 Azobenz	ene	380	Ū
101-55-3 4-Bromo	phenyl-phenylether	380	Ū
118-74-1 Hexachl	orobenzene	380	Ŭ
87-86-5 Pentach	lorophenol	950	Ŭ
85-01-8 Phenant	hrene	2500	E
120-12-7 Anthrac	ene	180	J
84-74-2 Di-n-bu	tylphthalate	380	Ŭ
206-44-0 Fluoran	thene	190	J
129-00-0 Pyrene		260	J
85-68-7 Butylbe	nzylphthalate	380	U
91-94-1 3,3-Dic	hlorobenzidine	380	U
56-55-3 Benzo(a	)anthracene	380	U
218-01-9 Chrysen	e	380	υ
117-81-7 bis(2-E	thylhexyl)phthalate	380	Ū
117-84-0 Di-n-oc	tyl phthalate	380	U
205-99-2 Benzo(b	)fluoranthene	380	U
207-08-9 Benzo(k	)fluoranthene	380	U
50-32-8 Benzo(a	)pyrene	380	U
193-39-5 Indeno(	1,2,3-cd)pyrene	380	U
53-70-3 Dibenz(	a,h)anthracene	380	Ū
191-24-2 Benzo(g	,h,i)perylene	380	Ū

EPA SAMPLE NO.

SW-10DL

Code: CHEM	Case No.: Z4621 SAS	No.:	Z4621	SDG 1	No.: Z4621
trix (soil/water):	<del></del>	ab Sampi		 Z4621-18DL	
		ab File		-	
mple wt/vol: 30	.0 (g/mL) <u>g</u> I	ab File	10:	BE051454.D	<u> </u>
vel: (low/med)		ate Rec	eived:	9/20/20	80
Moisture: 13	Decanted: (Y/N) N N	ate Ext	racted:	9/23/20	800
ncentrated Extract V	volume: 1000 (uL) D	ate Ana	lyzed:	9/25/20	800
jection Volume:	1.0	ilution	Factor:	2.0	
C Cleanup: (Y/N)	N pH: N/A E	xtracti	on: (Typ	e) SOXH	
creamap. (1/11)	N Pii. N/A		RATION U		
CAS NO.	COMPOUND		or ug/Kg		Q
108-95-2	Phenol		1	760	UD
111-44-4	bis(2-Chloroethyl)ether		l I	760	UD
95-57-8	2-Chlorophenol			760	UD
100-51-6	Benzyl Alcohol			760	UD
95-48-7	2-Methylphenol		<u> </u>	760	UD
108-60-1	2,2-oxybis(1-Chloropropane	.)		760	UD
106-44-5	3+4-Methylphenols	•		760	UD
621-64-7	N-Nitroso-di-n-propylamine	l		760	UD
67-72-1	Hexachloroethane			760	UD
98-95-3	Nitrobenzene			760	UD
78-59-1	Isophorone			760	UD
88-75-5	2-Nitrophenol			760	UD
105-67-9	2,4-Dimethylphenol			760	UD
111-91-1	bis(2-Chloroethoxy)methane	1		760	UD
120-83-2	2,4-Dichlorophenol		Ì	760	UD
65-85-0	Benzoic acid			760	UD
91-20-3	Naphthalene			760	UD
106-47-8	4-Chloroaniline			760	UD
87-68-3	Hexachlorobutadiene			760	UD
59-50-7	4-Chloro-3-methylphenol			760	ŪD
91-57-6	2-Methylnaphthalene			760	UD
77-47-4	Hexachlorocyclopentadiene			760	UD
88-06-2	2,4,6-Trichlorophenol			760	UD
95-95-4	2,4,5-Trichlorophenol			1900	ŪD
91-58-7	2-Chloronaphthalene			760	UD
88-74-4	2-Nitroaniline			1900	ŪD
131-11-3	Dimethylphthalate			760	UD
208-96-8	Acenaphthylene			270	JD
606-20-2	2,6-Dinitrotoluene			760	UD
99-09-2	3-Nitroaniline			1900	UD
83-32-9	Acenaphthene			680	JD
51-28-5	2,4-Dinitrophenol			1900	UD

EPA SAMPLE NO.

SW-10DL

Lab Name: Chemtech Co	onsulting Group	Contract: ]	HRPA02	
Lab Code: CHEM	Case No.: <u>Z4621</u> SA	S No.: Z4	621 SDG	No.: <u>Z4621</u>
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sample 1	ID: <u>Z4621-18</u> DI	<u>.</u>
Sample wt/vol: 30.0	(g/mL) g	Lab File ID	BE051454.I	<u> </u>
Level: (low/med)		Date Receive	ed: 9/20/20	008
% Moisture: 13	Decanted: (Y/N) N	Date Extrac	ted: 9/23/20	008
Concentrated Extract Vol	Lume: 1000 (uL)	Date Analyz	ed: 9/25/20	008
Injection Volume:	1.0	Dilution Fac	ctor: 2.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction:	(Type) SOXH	
	<del></del>	CONCENTRAT	ION UNITS:	
CAS NO.	COMPOUND	(ug/L or u	ıg/Kg) ug/Kg	Q
100-02-7	4-Nitrophenol		1900	UD
132-64-9	Dibenzofuran		420	JD
121-14-2	2,4-Dinitrotoluene		760	UD
84-66-2	Diethylphthalate		760	UD
7005-72-3	4-Chlorophenyl-phenylethe	r	760	UD
86-73-7	Fluorene		1000	D
100-01-6	4-Nitroaniline		1900	UD
534-52-1	4,6-Dinitro-2-methylpheno	1	1900	UD
86-30-6	N-Nitrosodiphenylamine		760	UD
103-33-3	Azobenzene		760	UD
101-55-3	4-Bromophenyl-phenylether		760	UD
118-74-1	Hexachlorobenzene	+	760	UD
87-86-5	Pentachlorophenol	<u> </u>	1900	UD
85-01-8	Phenanthrene		2600	D
120-12-7	Anthracene		200	JD
84-74-2	Di-n-butylphthalate		760	UD
206-44-0	Fluoranthene		180	JD
129-00-0	Pyrene		260	JD
85-68-7	Butylbenzylphthalate		760	UD
91-94-1	3,3-Dichlorobenzidine		760	UD
56-55-3	Benzo(a)anthracene	+	760	UD
218-01-9	Chrysene		760	UD
117-81-7	bis(2-Ethylhexyl)phthalat	e	760	UD
117-84-0	Di-n-octyl phthalate		760	UD
205-99-2	Benzo(b)fluoranthene		760	UD
207-08-9	Benzo(k)fluoranthene		760	UD
50-32-8	Benzo(a)pyrene		760	UD
193-39-5	Indeno(1,2,3-cd)pyrene	<u> </u>	760	UD
53-70-3	Dibenz(a,h)anthracene		760	UD
191-24-2	Benzo(g,h,i)perylene		760	UD

EPA SAMPLE NO.

Matrix (soil/water):   SOIL	Lab Name: Chemtech Co	onsulting Group Contra	act: HRPA02
Sample wt/vol: 30.1 (g/mL) g	Lab Code: CHEM	Case No.: Z4621 SAS No.:	Z4621 SDG No.: Z4621
Date Received: 9/20/2008	Matrix (soil/water):	SOIL Lab Sa	mple ID: Z4621-19
* Moisture: 23	Sample wt/vol: 30.3	l (g/mL) g Lab Fi	lle ID: BE051434.D
Concentrated Extract Volume: 1.0	Level: (low/med)	Date R	Received: 9/20/2008
Concentrated Extract Volume: 1.0   Date Analyzed: 9/25/2008   Injection Volume: 1.0   Dilution Factor: 1.0	% Moisture: 23	Decanted: (Y/N) N Date F	
Thjection Volume:   1.0		<u> </u>	
CAS NO.   COMPOUND   COMPOUND   CONCENTRATION UNITS:   CAS NO.   COMPOUND   CUg/L or ug/Kg)   ug/Kg   Q			_ <del></del>
CAS NO.   COMPOUND   (ug/L or ug/Kg)   ug/Kg   Q	-		<u> </u>
CAS NO.   COMPOUND   (ug/L or ug/Kg)   ug/Kg   Q	GPC Cleanup: (Y/N)		
108-95-2	CAC NO		
111-44-4   bis(2-Chloroethyl)ether		, . <b>3</b> ,	33. 3
95-57-8			
100-51-6   Benzyl Alcohol   430   U   95-48-7   2-Methylphenol   430   U   108-60-1   2,2-oxybis(1-Chloropropane)   430   U   108-60-1   2,2-oxybis(1-Chloropropane)   430   U   106-44-5   3+4-Methylphenols   430   U   106-44-5   3+4-Methylphenols   430   U   108-67-72-1   Hexachloroethane   430   U   108-95-3   Nitrobenzene   430   U   108-95-3   Nitrobenzene   430   U   108-75-5   2-Nitrophenol   430   U   105-67-9   2,4-Dimethylphenol   430   U   105-67-9   2,4-Dimethylphenol   430   U   111-91-1   bis(2-Chloroethoxy)methane   430   U   112-83-2   2,4-Dichlorophenol   430   U   106-83-2   2,4-Dichlorophenol   430   U   106-47-8   4-Chloroaniline   430   U   106-47-8   4-Chloroaniline   430   U   106-47-8   4-Chloroaniline   430   U   106-47-8   4-Chloro-3-methylphenol   430   U   109-57-6   2-Methylnaphthalene   2400   77-47-4   Hexachlorocyclopentadiene   430   U   109-59-4   2,4,5-Trichlorophenol   430   U   109-59-4   2,4,5-Trichlorophenol   430   U   109-58-7   2-Chloronaphthalene   430   U   109-58-7   2-Chloronaphthalene   430   U   100			
95-48-7         2-Methylphenol         430         U           108-60-1         2,2-oxybis(1-Chloropropane)         430         U           106-44-5         3+4-Methylphenols         430         U           621-64-7         N-Nitroso-di-n-propylamine         430         U           67-72-1         Hexachloroethane         430         U           98-95-3         Nitrobenzene         430         U           78-59-1         Isophorone         430         U           88-75-5         2-Nitrophenol         430         U           105-67-9         2,4-Dimethylphenol         430         U           111-91-1         bis(2-Chloroethoxy)methane         430         U           120-83-2         2,4-Dichlorophenol         430         U           120-83-2         2,4-Dichlorophenol         430         U           91-20-3         Naphthalene         760         1           106-47-8         4-Chloroaniline         430         U           87-68-3         Hexachlorobutadiene         430         U           95-50-7         4-Chloro-3-methylphenol         430         U           95-95-4         2-Methylnaphthalene         430         U	95-57-8		430 U
108-60-1         2,2-oxybis(1-Chloropropane)         430         U           106-44-5         3+4-Methylphenols         430         U           621-64-7         N-Nitroso-di-n-propylamine         430         U           67-72-1         Hexachloroethane         430         U           98-95-3         Nitrobenzene         430         U           78-59-1         Isophorone         430         U           88-75-5         2-Nitrophenol         430         U           105-67-9         2,4-Dimethylphenol         430         U           111-91-1         bis(2-Chloroethoxy)methane         430         U           120-83-2         2,4-Dichlorophenol         430         U           65-85-0         Benzoic acid         430         U           91-20-3         Naphthalene         760           106-47-8         4-Chloroaniline         430         U           87-68-3         Hexachlorobutadiene         430         U           95-50-7         4-Chloro-3-methylphenol         430         U           95-50-7         4-Chloro-3-methylphenol         430         U           95-95-4         2,4,5-Trichlorophenol         430         U	100-51-6	Benzyl Alcohol	430 U
106-44-5	95-48-7	2-Methylphenol	430 U
621-64-7         N-Nitroso-di-n-propylamine         430         U           67-72-1         Hexachloroethane         430         U           98-95-3         Nitrobenzene         430         U           78-59-1         Isophorone         430         U           88-75-5         2-Nitrophenol         430         U           105-67-9         2,4-Dimethylphenol         430         U           111-91-1         bis(2-Chloroethoxy)methane         430         U           120-83-2         2,4-Dichlorophenol         430         U           91-20-3         Naphthalene         760         T           106-47-8         4-Chloroaniline         430         U           87-68-3         Hexachlorobutadiene         430         U           91-57-6         2-Methylnaphthalene         2400         T           77-47-4         Hexachlorocyclopentadiene         430         U           88-06-2         2,4,6-Trichlorophenol         430         U           95-95-4         2,4,5-Trichlorophenol         1100         U           91-58-7         2-Chloronaphthalene         430         U           88-74-4         2-Nitroaniline         1100         U	108-60-1	2,2-oxybis(1-Chloropropane)	430 U
67-72-1 Hexachloroethane 430 U 98-95-3 Nitrobenzene 430 U 78-59-1 Isophorone 430 U 105-67-9 2,4-Dimethylphenol 430 U 111-91-1 bis(2-Chloroethoxy)methane 430 U 120-83-2 2,4-Dimethylphenol 430 U 65-85-0 Benzoic acid 430 U 91-20-3 Naphthalene 760 1 106-47-8 4-Chloroaniline 430 U 87-68-3 Hexachlorobutadiene 430 U 91-57-6 2-Methylnaphthalene 2400 77-47-4 Hexachlorocyclopentadiene 430 U 88-06-2 2,4,6-Trichlorophenol 430 U 88-06-2 2,4,6-Trichlorophenol 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 2-Chloronaphthalene 430 U 91-58-7 3-Chloronaphthalene 430 U 91-58-7 3-Chloronaphthalene 430 U 91-58-7 3-Chloronaphthalene 430 U 91-58-7 3-Chloronaphthalene 430 U 91-58-7 3-Chloronaphthalene 430 U 91-58-7 3-Chloronaphthalene 430 U 91-58-7 3-Chloronaphthalene 560 C 91-91-91-91-91-91-91-91-91-91-91-91-91-9	106-44-5	3+4-Methylphenols	430 U
98-95-3         Nitrobenzene         430         U           78-59-1         Isophorone         430         U           88-75-5         2-Nitrophenol         430         U           105-67-9         2,4-Dimethylphenol         430         U           111-91-1         bis(2-Chloroethoxy)methane         430         U           120-83-2         2,4-Dichlorophenol         430         U           65-85-0         Benzoic acid         430         U           91-20-3         Naphthalene         760         106-47-8         4-Chloroaniline         430         U           87-68-3         Hexachlorobutadiene         430         U         107-10-10-10-10-10-10-10-10-10-10-10-10-10-	621-64-7	N-Nitroso-di-n-propylamine	430 U
78-59-1         Isophorone         430         U           88-75-5         2-Nitrophenol         430         U           105-67-9         2,4-Dimethylphenol         430         U           111-91-1         bis(2-Chloroethoxy)methane         430         U           120-83-2         2,4-Dichlorophenol         430         U           65-85-0         Benzoic acid         430         U           91-20-3         Naphthalene         760         106-47-8         4-Chloroaniline         430         U           87-68-3         Hexachlorobutadiene         430         U         91-57-6         2-Methylnaphthalene         2400         U         91-57-6         2-Methylnaphthalene         2400         U         91-57-6         2-Methylnaphthalene         430         U         95-95-4         4,46-Trichlorophenol         430         U         95-95-4         2,4,6-Trichlorophenol         1100         U         91-58-7         2-Chloronaphthalene         430         U         91-58-7         2-Chloronaphthalene         430         U         91-58-7         2-Chloronaphthalene         430         U         91-58-7         2-Chloronaphthalene         430         U         91-58-7         2-Chloronaphthalene         430         U	67-72-1	Hexachloroethane	430 U
88-75-5       2-Nitrophenol       430       U         105-67-9       2,4-Dimethylphenol       430       U         111-91-1       bis(2-Chloroethoxy)methane       430       U         120-83-2       2,4-Dichlorophenol       430       U         65-85-0       Benzoic acid       430       U         91-20-3       Naphthalene       760         106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         99-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         83-32-9       Acenaphthene	98-95-3	Nitrobenzene	430 U
88-75-5       2-Nitrophenol       430       U         105-67-9       2,4-Dimethylphenol       430       U         111-91-1       bis(2-Chloroethoxy)methane       430       U         120-83-2       2,4-Dichlorophenol       430       U         65-85-0       Benzoic acid       430       U         91-20-3       Naphthalene       760         106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         99-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         83-32-9       Acenaphthene	78-59-1	Isophorone	430 U
105-67-9       2,4-Dimethylphenol       430       U         111-91-1       bis(2-Chloroethoxy)methane       430       U         120-83-2       2,4-Dichlorophenol       430       U         65-85-0       Benzoic acid       430       U         91-20-3       Naphthalene       760         106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400       V         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         83-32-9       Acenaphthene       1500	88-75-5	-	430 U
111-91-1       bis(2-Chloroethoxy)methane       430       U         120-83-2       2,4-Dichlorophenol       430       U         65-85-0       Benzoic acid       430       U         91-20-3       Naphthalene       760         106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         83-32-9       Acenaphthene       1500			<del> </del>
120-83-2       2,4-Dichlorophenol       430       U         65-85-0       Benzoic acid       430       U         91-20-3       Naphthalene       760         106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         83-32-9       Acenaphthene       1500			
65-85-0       Benzoic acid       430       U         91-20-3       Naphthalene       760         106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
91-20-3       Naphthalene       760         106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
106-47-8       4-Chloroaniline       430       U         87-68-3       Hexachlorobutadiene       430       U         59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
87-68-3       Hexachlorobutadiene       430       U         59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500		-	
59-50-7       4-Chloro-3-methylphenol       430       U         91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
91-57-6       2-Methylnaphthalene       2400         77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
77-47-4       Hexachlorocyclopentadiene       430       U         88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			<del>:</del>
88-06-2       2,4,6-Trichlorophenol       430       U         95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
95-95-4       2,4,5-Trichlorophenol       1100       U         91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
91-58-7       2-Chloronaphthalene       430       U         88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
88-74-4       2-Nitroaniline       1100       U         131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500			
131-11-3       Dimethylphthalate       430       U         208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500		=	
208-96-8       Acenaphthylene       560         606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500	88-74-4		1100 U
606-20-2       2,6-Dinitrotoluene       430       U         99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500	131-11-3		
99-09-2       3-Nitroaniline       1100       U         83-32-9       Acenaphthene       1500	208-96-8	Acenaphthylene	560
83-32-9 Acenaphthene 1500	606-20-2	2,6-Dinitrotoluene	430 U
_	99-09-2	3-Nitroaniline	1100 U
E1 00 E	83-32-9	Acenaphthene	1500
51-28-5  2,4-Dinitrophenol   1100   U	51-28-5	2,4-Dinitrophenol	1100 U

EPA SAMPLE NO.

Lab Name: Chemtech Con	nsulting Group C	Contract: H	RPA02	
Lab Code: CHEM	Case No.: <u>Z4621</u> SAS	No.: <u>Z46</u>	21 SDG	No.: <u>Z4621</u>
Matrix (soil/water):	SOIL	ab Sample II	Z4621-19	
Sample wt/vol: 30.1	(g/mL) g I	ab File ID:	BE051434.I	<u> </u>
Level: (low/med)		ate Receive	d: 9/20/20	008
% Moisture: 23	Decanted: (Y/N) N D	ate Extract	ed: 9/23/20	008
Concentrated Extract Volu	 ume: 1000 (uL) I	ate Analyze	d: 9/25/20	008
Injection Volume:	1.0	oilution Fac	tor: 1.0	
GPC Cleanup: (Y/N)	N pH: N/A E	Extraction:	(Type) SOXH	
		CONCENTRATIO		
CAS NO.	COMPOUND	(ug/L or ug		Q
		(=5/= == ==		
	4-Nitrophenol		1100	Ü
	Dibenzofuran		1300	
	2,4-Dinitrotoluene		430	Ŭ
	Diethylphthalate		430	Ū
7005-72-3	4-Chlorophenyl-phenylether	•	430	U
86-73-7	Fluorene		2700	E
100-01-6	4-Nitroaniline		1100	U
534-52-1	4,6-Dinitro-2-methylphenol		1100	U
86-30-6	N-Nitrosodiphenylamine		430	Ū
103-33-3	Azobenzene	İ	430	Ū
101-55-3	4-Bromophenyl-phenylether		430	U
	Hexachlorobenzene		430	Ū
	Pentachlorophenol	i	1100	Ū
	Phenanthrene		6800	E
	Anthracene		490	
	Di-n-butylphthalate		430	U
-	Fluoranthene	1	530	
	Pyrene		680	
	Butylbenzylphthalate		430	<u>U</u>
	3,3-Dichlorobenzidine		430	Ŭ
	Benzo(a)anthracene		120	J
	Chrysene		160	J
	bis(2-Ethylhexyl)phthalate		430	Ū
117-84-0	Di-n-octyl phthalate		430	U
205-99-2	Benzo(b)fluoranthene		92	J
207-08-9	Benzo(k)fluoranthene		430	υ
50-32-8	Benzo(a)pyrene		46	J
193-39-5	Indeno(1,2,3-cd)pyrene		430	U
53-70-3	Dibenz(a,h)anthracene	Ì	430	U
191-24-2	Benzo(g,h,i)perylene		430	υ

EPA SAMPLE NO.

SW-19DL

Lab Name: Chemtech Consulti	ing Group Contract	: HRPA02
Lab Code: CHEM Case	No.: Z4621 SAS No.:	Z4621 SDG No.: Z4621
Matrix (soil/water): SOIL	Lab Samp	le ID: Z4621-19DL
Sample wt/vol: 30.1 (	g/mL) g Lab File	BE051457.D
Level: (low/med)	Date Rec	eived: 9/20/2008
% Moisture: 23 D	ecanted: (Y/N) N Date Ext	racted: 9/23/2008
Concentrated Extract Volume:	1000 (uL) Date Ana	lyzed: 9/25/2008
Injection Volume: 1.0	Dilution	Factor: 5.0
GPC Cleanup: (Y/N) N	pH: N/A Extracti	on: (Type) SOXH
<u> </u>		RATION UNITS:
CAS NO. COMPO	UND (ug/L	or ug/Kg) ug/Kg Q
108-95-2 Pheno	1	2100 UD
<u> </u>	-Chloroethyl)ether	2100 UD
<del>-</del>	orophenol	2100 UD
*	l Alcohol	2100 UD
· · · · · · · · · · · · · · · · · · ·	hylphenol	2100   UD
	xybis(1-Chloropropane)	2100   UD
	ethylphenols	2100   UD
	roso-di-n-propylamine	2100   UD
<u>.</u>	hloroethane	
	benzene	2100 UD 2100 UD
		2100 UD
	rophenol	2100 UD
<u> </u>	imethylphenol	2100 UD
	-Chloroethoxy)methane	2100 UD
	ichlorophenol	2100 UD
	ic acid	2100 UD
	halene	780 JD
	oroaniline	2100 UD
	hlorobutadiene	2100 UD
	oro-3-methylphenol	2100 UD
<u>.</u>	hylnaphthalene	2500 D
	hlorocyclopentadiene	2100 UD
	-Trichlorophenol	2100 UD
<u> </u>	-Trichlorophenol	5400 UD
<u> </u>	oronaphthalene	2100 UD
	roaniline	5400 UD
131-11-3 Dimet	hylphthalate	2100 UD
208-96-8 Acena	phthylene	1100 JD
606-20-2 2,6-D	initrotoluene	2100 UD
99-09-2 3-Nit	roaniline	5400 UD
83-32-9 Acena	phthene	2200 D

EPA SAMPLE NO.

SW-19DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: Z4621-19DL Sample wt/vol: 30.1 (g/mL) Lab File ID: BE051457.D g Level: (low/med) Date Received: 9/20/2008 % Moisture: 23 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/25/2008 Injection Volume: 1.0 Dilution Factor: 5.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 100-02-7 4-Nitrophenol 5400 UD 132-64-9 Dibenzofuran 1700 JD 121-14-2 2,4-Dinitrotoluene 2100 UD 84-66-2 Diethylphthalate 2100 UD 7005-72-3 2100 4-Chlorophenyl-phenylether UD 86-73-7 Fluorene 3500 D 100-01-6 4-Nitroaniline 5400 UD 534-52-1 UD 4,6-Dinitro-2-methylphenol 5400 86-30-6 N-Nitrosodiphenylamine 2100 UD 103-33-3 Azobenzene 2100 UD 101-55-3 4-Bromophenyl-phenylether 2100 UD 118-74-1 2100 UD Hexachlorobenzene 87-86-5 IJD Pentachlorophenol 5400 85-01-8 Phenanthrene 8200 D 120-12-7 640 JD Anthracene 84-74-2 Di-n-butylphthalate 2100 UD 206-44-0 Fluoranthene 550 JD 129-00-0 Pyrene 710 JD 85-68-7 2100 Butylbenzylphthalate UD 91-94-1 3,3-Dichlorobenzidine 2100 UD 56-55-3 Benzo(a)anthracene 2100 UD 218-01-9 UD Chrysene 2100 117-81-7 bis(2-Ethylhexyl)phthalate 2100 UD 117-84-0 2100 Di-n-octyl phthalate UD 205-99-2 Benzo(b)fluoranthene 2100 UD 207-08-9 Benzo(k)fluoranthene 2100 UD 50-32-8 2100 UD Benzo(a)pyrene 193-39-5 Indeno(1,2,3-cd)pyrene 2100 UD 53-70-3 Dibenz(a,h)anthracene 2100 UD 191-24-2 Benzo(g,h,i)perylene 2100 UD

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID Client ID:	Client ID DUPLICATE	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4621-08	DUPLICATE	SOIL	Acenaphthylene	430		400	5.8	ug/Kg
Z4621-08	DUPLICATE	SOIL	Acenaphthene	1300		400	8.6	ug/Kg
Z4621-08	DUPLICATE	SOIL	Dibenzofuran	820		400	12	ug/Kg
Z4621-08	DUPLICATE	SOIL	Fluorene	2000		400	11	ug/Kg
Z4621-08	DUPLICATE	SOIL	Anthracene	360	J	400	13	ug/Kg
Z4621-08	DUPLICATE	SOIL	Fluoranthene	400	J	400	9.6	ug/Kg
Z4621-08	DUPLICATE	SOIL	Pyrene	470		400	8.7	ug/Kg
Z4621-08	DUPLICATE	SOIL	Benzo(a)anthracene	56	J	400	9.6	ug/Kg
Z4621-08	DUPLICATE	SOIL	Chrysene	66	J	400	7.4	ug/Kg
Z4621-08	DUPLICATE	SOIL	Benzo(b)fluoranthene	42	J	400	29	ug/Kg
		Total S	VOC's:	5944.00				
		Total T	'IC's:	0.00				
		Total S	VOC's and TIC's:	5944.00				
Client ID:	DUPLICATEDL							
Z4621-08DL	DUPLICATEDL	SOIL	Acenaphthylene	430	JD	2000	29	ug/Kg
Z4621-08DL	DUPLICATEDL	SOIL	Acenaphthene	1200	JD	2000	43	ug/Kg
Z4621-08DL	DUPLICATEDL	SOIL	Dibenzofuran	770	JD	2000	62	ug/Kg
Z4621-08DL	DUPLICATEDL	SOIL	Fluorene	2100	D	2000	53	ug/Kg
Z4621-08DL	DUPLICATEDL	SOIL	Phenanthrene	4800	D	2000	62	ug/Kg
Z4621-08DL	DUPLICATEDL	SOIL	Anthracene	370	JD	2000	67	ug/Kg
Z4621-08DL	DUPLICATEDL	SOIL	Fluoranthene	310	JD	2000	48	ug/Kg
Z4621-08DL	DUPLICATEDL	SOIL	Pyrene	410	JD	2000	43	ug/Kg
		Total S	VOC's:	10390.00				
		Total T	IC's:	0.00				
		Total S	VOC's and TIC's:	10390.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-01							
Z4621-09	SW-01	SOIL	Naphthalene	240	J	470	11	ug/Kg
Z4621-09	SW-01	SOIL	2-Methylnaphthalene	520		470	13	ug/Kg
Z4621-09	SW-01	SOIL	Acenaphthylene	110	J	470	6.9	ug/Kg
Z4621-09	SW-01	SOIL	Dibenzofuran	100	J	470	15	ug/Kg
Z4621-09	SW-01	SOIL	Fluorene	110	J	470	13	ug/Kg
Z4621-09	SW-01	SOIL	Phenanthrene	230	J	470	15	ug/Kg
Z4621-09	SW-01	SOIL	Anthracene	68	J	470	16	ug/Kg
Z4621-09	SW-01	SOIL	Fluoranthene	120	J	470	11	ug/Kg
Z4621-09	SW-01	SOIL	Pyrene	110	J	470	10	ug/Kg
Z4621-09	SW-01	SOIL	Benzo(a)anthracene	48	J	470	11	ug/Kg
Z4621-09	SW-01	SOIL	Chrysene	92	J	470	8.8	ug/Kg
Z4621-09	SW-01	SOIL	Benzo(b)fluoranthene	71	J	470	34	ug/Kg
		Total S	VOC's:	1819.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	1819.00				
Client ID:	SW-02							
Z4621-10	SW-02	SOIL	Fluorene	49	J	430	12	ug/Kg
Z4621-10	SW-02	SOIL	Phenanthrene	170	J	430	13	ug/Kg
Z4621-10	SW-02	SOIL	Fluoranthene	230	J	430	10	ug/Kg
Z4621-10	SW-02	SOIL	Pyrene	180	J	430	9.4	ug/Kg
Z4621-10	SW-02	SOIL	Benzo(a)anthracene	110	J	430	10	ug/Kg
Z4621-10	SW-02	SOIL	Chrysene	110	J	430	8.0	ug/Kg
Z4621-10	SW-02	SOIL	Benzo(b)fluoranthene	110	J	430	31	ug/Kg
Z4621-10	SW-02	SOIL	Benzo(a)pyrene	77	J	430	13	ug/Kg
Z4621-10	SW-02	SOIL	Indeno(1,2,3-cd)pyrene	60	J	430	11	ug/Kg
Z4621-10	SW-02	SOIL	Benzo(g,h,i)perylene	54	J	430	31	ug/Kg
		Total S	VOC's:	1150.00				
		Total T	IC's:	0.00				

1150.00

Total SVOC's and TIC's:

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
<b>Client ID:</b> Z4621-11	<b>SW-03</b> SW-03	SOIL	Acenaphthylene	350	J	400	5.9	ug/Kg
Z4621-11	SW-03	SOIL	Acenaphthene	990	· ·	400	8.7	ug/Kg
Z4621-11	SW-03	SOIL	Dibenzofuran	820		400	12	ug/Kg
Z4621-11	SW-03	SOIL	Fluorene	1600		400	11	ug/Kg
Z4621-11	SW-03	SOIL	Anthracene	490		400	14	ug/Kg
Z4621-11	SW-03	SOIL	Fluoranthene	310	J	400	9.8	ug/Kg
Z4621-11	SW-03	SOIL	Pyrene	400	J	400	8.8	ug/Kg
Z4621-11	SW-03	SOIL	Benzo(a)anthracene	44	J	400	9.7	ug/Kg
Z4621-11	SW-03	SOIL	Chrysene	69	J	400	7.5	ug/Kg
		Total S	Total SVOC's: Total TIC's:					
				0.00				
		Total S	VOC's and TIC's:	5073.00				
Client ID:	SW-03DL							
Z4621-11DL	SW-03DL	SOIL	Acenaphthylene	330	JD	2000	29	ug/Kg
Z4621-11DL	SW-03DL	SOIL	Acenaphthene	1000	JD	2000	44	ug/Kg
Z4621-11DL	SW-03DL	SOIL	Dibenzofuran	800	JD	2000	62	ug/Kg
Z4621-11DL	SW-03DL	SOIL	Fluorene	1900	JD	2000	54	ug/Kg
Z4621-11DL	SW-03DL	SOIL	Phenanthrene	4400	D	2000	63	ug/Kg
Z4621-11DL	SW-03DL	SOIL	Anthracene	540	JD	2000	68	ug/Kg
Z4621-11DL	SW-03DL	SOIL	Fluoranthene	260	JD	2000	49	ug/Kg
Z4621-11DL	SW-03DL	SOIL	Pyrene	400	JD	2000	44	ug/Kg
		Total S	VOC's:	9630.00				
		Total T	IC's:	0.00				
		Total S	VOC's and TIC's:	9630.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID Client ID:	Client ID SW-04	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4621-12	SW-04	SOIL	Acenaphthylene	690		460	6.7	ug/Kg
Z4621-12	SW-04	SOIL	Acenaphthene	2400		460	9.9	ug/Kg
Z4621-12	SW-04	SOIL	Dibenzofuran	1900		460	14	ug/Kg
Z4621-12	SW-04	SOIL	Anthracene	1300		460	15	ug/Kg
Z4621-12	SW-04	SOIL	Fluoranthene	1200		460	11	ug/Kg
Z4621-12	SW-04	SOIL	Pyrene	1300		460	10	ug/Kg
Z4621-12	SW-04	SOIL	Benzo(a)anthracene	210	J	460	11	ug/Kg
Z4621-12	SW-04	SOIL	Chrysene	200	J	460	8.5	ug/Kg
Z4621-12	SW-04	SOIL	Benzo(b)fluoranthene	190	J	460	33	ug/Kg
Z4621-12	SW-04	SOIL	Benzo(k)fluoranthene	52	J	460	21	ug/Kg
Z4621-12	SW-04	SOIL	Benzo(a)pyrene	110	J	460	14	ug/Kg
Z4621-12	SW-04	SOIL	Indeno(1,2,3-cd)pyrene	62	J	460	12	ug/Kg
Z4621-12	SW-04	SOIL	Benzo(g,h,i)perylene	52	J	460	33	ug/Kg
		Total S Total T		9666.00 0.00 9666.00				
Client ID:	SW-04DL							
Z4621-12DL	SW-04DL	SOIL	Acenaphthylene	810	JD	2300	34	ug/Kg
Z4621-12DL	SW-04DL	SOIL	Acenaphthene	2500	D	2300	50	ug/Kg
Z4621-12DL	SW-04DL	SOIL	Dibenzofuran	1700	JD	2300	71	ug/Kg
Z4621-12DL	SW-04DL	SOIL	Fluorene	4100	D	2300	62	ug/Kg
Z4621-12DL	SW-04DL	SOIL	Phenanthrene	10000	D	2300	71	ug/Kg
Z4621-12DL	SW-04DL	SOIL	Anthracene	640	JD	2300	77	ug/Kg
Z4621-12DL	SW-04DL	SOIL	Fluoranthene	920	JD	2300	56	ug/Kg
Z4621-12DL	SW-04DL	SOIL	Pyrene	1200	JD	2300	50	ug/Kg
		Total S Total S Total S		21870.00 0.00 21870.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-05							
Z4621-13	SW-05	SOIL	Acenaphthylene	720		420	6.1	ug/Kg
Z4621-13	SW-05	SOIL	Acenaphthene	2300		420	9.0	ug/Kg
Z4621-13	SW-05	SOIL	Dibenzofuran	1800		420	13	ug/Kg
Z4621-13	SW-05	SOIL	Anthracene	530		420	14	ug/Kg
Z4621-13	SW-05	SOIL	Fluoranthene	790		420	10	ug/Kg
Z4621-13	SW-05	SOIL	Pyrene	1000		420	9.1	ug/Kg
Z4621-13	SW-05	SOIL	Benzo(a)anthracene	100	J	420	10	ug/Kg
Z4621-13	SW-05	SOIL	Chrysene	120	J	420	7.8	ug/Kg
Z4621-13	SW-05	SOIL	Benzo(b)fluoranthene	58	J	420	30	ug/Kg
		Total S	SVOC's:	7418.00				
		Total T		0.00				
		Total S	SVOC's and TIC's:	7418.00				
Client ID:	SW-05DL							
Z4621-13DL	SW-05DL	SOIL	2-Methylnaphthalene	2300	D	2100	59	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Acenaphthylene	800	JD	2100	31	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Acenaphthene	2400	D	2100	45	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Dibenzofuran	1700	JD	2100	65	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Fluorene	4000	D	2100	56	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Phenanthrene	9800	D	2100	65	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Anthracene	540	JD	2100	70	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Fluoranthene	600	JD	2100	51	ug/Kg
Z4621-13DL	SW-05DL	SOIL	Pyrene	870	JD	2100	46	ug/Kg
		Total S	SVOC's:	23010.00				
		Total I	TIC's:	0.00				
		Total S	SVOC's and TIC's:	23010.00				
Client ID:	SW-06							
Z4621-14	SW-06	SOIL	Acenaphthylene	410		380	5.6	ug/Kg
Z4621-14	SW-06	SOIL	Acenaphthene	1200		380	8.2	ug/Kg
Z4621-14	SW-06	SOIL	Dibenzofuran	1100		380	12	ug/Kg
Z4621-14	SW-06	SOIL	Fluorene	2100		380	10	ug/Kg
Z4621-14	SW-06	SOIL	Anthracene	340	J	380	13	ug/Kg
Z4621-14	SW-06	SOIL	Fluoranthene	350	J	380	9.2	ug/Kg
Z4621-14	SW-06	SOIL	Pyrene	420		380	8.3	ug/Kg
Z4621-14	SW-06	SOIL	Benzo(a)anthracene	50	J	380	9.1	ug/Kg
Z4621-14	SW-06	SOIL	Chrysene	48	J	380	7.1	ug/Kg
		Total S	SVOC's:	6018.00				
		Total T	TIC's:	0.00				
		m-+-1 c	SVOC's and TIC's:	6018.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID Client ID:	Client ID SW-06DL	Matrix	Parameter	Concentration	С	RDL	MDL	Units
Z4621-14DL	SW-06DL	SOIL	2-Methylnaphthalene	5500	D	1900	54	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Acenaphthylene	450	JD	1900	28	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Acenaphthene	1300	JD	1900	41	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Dibenzofuran	1100	JD	1900	59	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Fluorene	2400	D	1900	51	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Phenanthrene	5800	D	1900	59	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Anthracene	380	JD	1900	64	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Fluoranthene	290	JD	1900	46	ug/Kg
Z4621-14DL	SW-06DL	SOIL	Pyrene	400	JD	1900	41	ug/Kg
		Total S	VOC's:	17620.00				
		Total T	IC's:	0.00				
		Total S	VOC's and TIC's:	17620.00				
Client ID:	SW-07							
Z4621-15	SW-07	SOIL	Acenaphthylene	420		400	5.9	ug/Kg
Z4621-15	SW-07	SOIL	Acenaphthene	1300		400	8.7	ug/Kg
Z4621-15	SW-07	SOIL	Dibenzofuran	1100		400	12	ug/Kg
Z4621-15	SW-07	SOIL	Fluorene	2300		400	11	ug/Kg
Z4621-15	SW-07	SOIL	Anthracene	550		400	14	ug/Kg
Z4621-15	SW-07	SOIL	Fluoranthene	600		400	9.7	ug/Kg
Z4621-15	SW-07	SOIL	Pyrene	600		400	8.8	ug/Kg
Z4621-15	SW-07	SOIL	Benzo(a)anthracene	110	J	400	9.7	ug/Kg
Z4621-15	SW-07	SOIL	Chrysene	120	J	400	7.5	ug/Kg
Z4621-15	SW-07	SOIL	Benzo(b)fluoranthene	98	J	400	29	ug/Kg
Z4621-15	SW-07	SOIL	Benzo(a)pyrene	64	J	400	12	ug/Kg
		Total S	VOC's:	7262.00				
		Total T	IC's:	0.00				
		Total S	VOC's and TIC's:	7262.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID Client ID:	Client ID SW-07DL	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4621-15DL	SW-07DL	SOIL	2-Methylnaphthalene	17000	D	4000	110	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Acenaphthylene	500	JD	4000	59	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Acenaphthene	1500	JD	4000	87	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Dibenzofuran	1200	JD	4000	120	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Fluorene	2800	JD	4000	110	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Phenanthrene	6500	D	4000	130	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Anthracene	450	JD	4000	140	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Fluoranthene	600	JD	4000	97	ug/Kg
Z4621-15DL	SW-07DL	SOIL	Pyrene	690	JD	4000	88	ug/Kg
		Total S	SVOC's:	31240.00				
		Total T	TIC's:	0.00				
		Total S	SVOC's and TIC's:	31240.00				
Client ID:	SW-08							
Z4621-16	SW-08	SOIL	2-Methylnaphthalene	820		550	16	ug/Kg
Z4621-16	SW-08	SOIL	Acenaphthene	110	J	550	12	ug/Kg
Z4621-16	SW-08	SOIL	Dibenzofuran	79	J	550	17	ug/Kg
Z4621-16	SW-08	SOIL	Fluorene	190	J	550	15	ug/Kg
Z4621-16	SW-08	SOIL	Phenanthrene	370	J	550	17	ug/Kg
		Total S	SVOC's:	1569.00				
		Total 1		0.00				
		Total S	SVOC's and TIC's:	1569.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-09							
Z4621-17	SW-09	SOIL	2,4-Dimethylphenol	300	J	2200	67	ug/Kg
Z4621-17	SW-09	SOIL	Acenaphthylene	550	J	2200	33	ug/Kg
Z4621-17	SW-09	SOIL	Acenaphthene	2000	J	2200	48	ug/Kg
Z4621-17	SW-09	SOIL	Dibenzofuran	1200	J	2200	69	ug/Kg
Z4621-17	SW-09	SOIL	Fluorene	3000		2200	60	ug/Kg
Z4621-17	SW-09	SOIL	Phenanthrene	9700		2200	69	ug/Kg
Z4621-17	SW-09	SOIL	Anthracene	1200	J	2200	75	ug/Kg
Z4621-17	SW-09	SOIL	Fluoranthene	5900		2200	54	ug/Kg
Z4621-17	SW-09	SOIL	Pyrene	4400		2200	49	ug/Kg
Z4621-17	SW-09	SOIL	Benzo(a)anthracene	2000	J	2200	54	ug/Kg
Z4621-17	SW-09	SOIL	Chrysene	2000	J	2200	41	ug/Kg
Z4621-17	SW-09	SOIL	Benzo(b)fluoranthene	2200	J	2200	160	ug/Kg
Z4621-17	SW-09	SOIL	Benzo(k)fluoranthene	670	J	2200	100	ug/Kg
Z4621-17	SW-09	SOIL	Benzo(a)pyrene	1500	J	2200	66	ug/Kg
Z4621-17	SW-09	SOIL	Indeno(1,2,3-cd)pyrene	1100	J	2200	56	ug/Kg
Z4621-17	SW-09	SOIL	Dibenz(a,h)anthracene	250	J	2200	160	ug/Kg
Z4621-17	SW-09	SOIL	Benzo(g,h,i)perylene	930	J	2200	160	ug/Kg
		Total S	VOC's:	38900.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	38900.00				
Client ID:	SW-10							
Z4621-18	SW-10	SOIL	Acenaphthylene	270	J	380	5.6	ug/Kg
Z4621-18	SW-10	SOIL	Acenaphthene	650		380	8.2	ug/Kg
Z4621-18	SW-10	SOIL	Dibenzofuran	430		380	12	ug/Kg
Z4621-18	SW-10	SOIL	Fluorene	1100		380	10	ug/Kg
Z4621-18	SW-10	SOIL	Anthracene	180	J	380	13	ug/Kg
Z4621-18	SW-10	SOIL	Fluoranthene	190	J	380	9.2	ug/Kg
Z4621-18	SW-10	SOIL	Pyrene	260	J	380	8.3	ug/Kg
		Total S	VOC's:	3080.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	3080.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-10DL							
Z4621-18DL	SW-10DL	SOIL	Acenaphthylene	270	JD	760	11	ug/Kg
Z4621-18DL	SW-10DL	SOIL	Acenaphthene	680	JD	760	16	ug/Kg
Z4621-18DL	SW-10DL	SOIL	Dibenzofuran	420	JD	760	24	ug/Kg
Z4621-18DL	SW-10DL	SOIL	Fluorene	1000	D	760	20	ug/Kg
Z4621-18DL	SW-10DL	SOIL	Phenanthrene	2600	D	760	24	ug/Kg
Z4621-18DL	SW-10DL	SOIL	Anthracene	200	JD	760	26	ug/Kg
Z4621-18DL	SW-10DL	SOIL	Fluoranthene	180	JD	760	18	ug/Kg
Z4621-18DL	SW-10DL	SOIL	Pyrene	260	JD	760	17	ug/Kg
		Total S	VOC's:	5610.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	5610.00				
Client ID:	SW-11							
Z4621-01	SW-11	SOIL	Acenaphthylene	310	J	2000	29	ug/Kg
Z4621-01	SW-11	SOIL	Acenaphthene	940	J	2000	44	ug/Kg
Z4621-01	SW-11	SOIL	Dibenzofuran	680	J	2000	62	ug/Kg
Z4621-01	SW-11	SOIL	Fluorene	1600	J	2000	54	ug/Kg
Z4621-01	SW-11	SOIL	Phenanthrene	4600		2000	63	ug/Kg
Z4621-01	SW-11	SOIL	Anthracene	300	J	2000	68	ug/Kg
Z4621-01	SW-11	SOIL	Fluoranthene	1200	J	2000	49	ug/Kg
Z4621-01	SW-11	SOIL	Pyrene	910	J	2000	44	ug/Kg
Z4621-01	SW-11	SOIL	Benzo(a)anthracene	340	J	2000	48	ug/Kg
Z4621-01	SW-11	SOIL	Chrysene	390	J	2000	37	ug/Kg
Z4621-01	SW-11	SOIL	Benzo(b)fluoranthene	480	J	2000	150	ug/Kg
Z4621-01	SW-11	SOIL	Benzo(a)pyrene	300	J	2000	59	ug/Kg
Z4621-01	SW-11	SOIL	Indeno(1,2,3-cd)pyrene	240	J	2000	51	ug/Kg
Z4621-01	SW-11	SOIL	Benzo(g,h,i)perylene	240	J	2000	150	ug/Kg
		Total S	VOC's:	12530.00				
		Total T	IC's:	0.00				

12530.00

Total SVOC's and TIC's:

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID Client ID:	Client ID SW-12	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4621-02	SW-12	SOIL	Naphthalene	50	J	420	10	ug/Kg
Z4621-02	SW-12	SOIL	2-Methylnaphthalene	53	J	420	12	ug/Kg
Z4621-02	SW-12	SOIL	Phenanthrene	110	J	420	13	ug/Kg
Z4621-02	SW-12	SOIL	Fluoranthene	130	J	420	10	ug/Kg
Z4621-02	SW-12	SOIL	Pyrene	120	J	420	9.2	ug/Kg
Z4621-02	SW-12	SOIL	Benzo(a)anthracene	87	J	420	10	ug/Kg
Z4621-02	SW-12	SOIL	Chrysene	120	J	420	7.9	ug/Kg
Z4621-02	SW-12	SOIL	Benzo(b)fluoranthene	150	J	420	30	ug/Kg
Z4621-02	SW-12	SOIL	Benzo(a)pyrene	78	J	420	12	ug/Kg
Z4621-02	SW-12	SOIL	Indeno(1,2,3-cd)pyrene	73	J	420	11	ug/Kg
Z4621-02	SW-12	SOIL	Benzo(g,h,i)perylene	67	J	420	31	ug/Kg
		Total S Total T Total S		1038.00 0.00 1038.00				
Client ID:	SW-13							
Z4621-03	SW-13	SOIL	2,4-Dimethylphenol	74	J	420	13	ug/Kg
Z4621-03	SW-13	SOIL	Acenaphthylene	120	J	420	6.2	ug/Kg
Z4621-03	SW-13	SOIL	Acenaphthene	130	J	420	9.1	ug/Kg
Z4621-03	SW-13	SOIL	Dibenzofuran	64	J	420	13	ug/Kg
Z4621-03	SW-13	SOIL	Fluorene	160	J	420	11	ug/Kg
Z4621-03	SW-13	SOIL	Phenanthrene	210	J	420	13	ug/Kg
Z4621-03	SW-13	SOIL	Anthracene	110	J	420	14	ug/Kg
Z4621-03	SW-13	SOIL	Fluoranthene	1100		420	10	ug/Kg
Z4621-03	SW-13	SOIL	Pyrene	1000		420	9.2	ug/Kg
Z4621-03	SW-13	SOIL	Benzo(a)anthracene	660		420	10	ug/Kg
Z4621-03	SW-13	SOIL	Chrysene	750		420	7.9	ug/Kg
Z4621-03	SW-13	SOIL	Benzo(b)fluoranthene	940		420	30	ug/Kg
Z4621-03	SW-13	SOIL	Benzo(k)fluoranthene	280	J	420	19	ug/Kg
Z4621-03	SW-13	SOIL	Benzo(a)pyrene	470		420	12	ug/Kg
Z4621-03	SW-13	SOIL	Indeno(1,2,3-cd)pyrene	360	J	420	11	ug/Kg
Z4621-03	SW-13	SOIL	Dibenz(a,h)anthracene	120	J	420	31	ug/Kg
Z4621-03	SW-13	SOIL	Benzo(g,h,i)perylene	270	J	420	31	ug/Kg
		Total S Total T Total S		6818.00 0.00 6818.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-14	_						
Z4621-04	SW-14	SOIL	Acenaphthylene	630		380	5.6	ug/Kg
Z4621-04	SW-14	SOIL	Acenaphthene	1800		380	8.3	ug/Kg
Z4621-04	SW-14	SOIL	Dibenzofuran	1300		380	12	ug/Kg
Z4621-04	SW-14	SOIL	Anthracene	800		380	13	ug/Kg
Z4621-04	SW-14	SOIL	Fluoranthene	650		380	9.3	ug/Kg
Z4621-04	SW-14	SOIL	Pyrene	790		380	8.4	ug/Kg
Z4621-04	SW-14	SOIL	Benzo(a)anthracene	95	J	380	9.2	ug/Kg
Z4621-04	SW-14	SOIL	Chrysene	120	J	380	7.1	ug/Kg
Z4621-04	SW-14	SOIL	Benzo(b)fluoranthene	72	J	380	28	ug/Kg
Z4621-04	SW-14	SOIL	Benzo(a)pyrene	43	J	380	11	ug/Kg
		Total S	VOC's:	6300.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	6300.00				
Client ID:	SW-14DL							
Z4621-04DL	SW-14DL	SOIL	Acenaphthylene	610	JD	1900	28	ug/Kg
Z4621-04DL	SW-14DL	SOIL	Acenaphthene	2000	D	1900	41	ug/Kg
Z4621-04DL	SW-14DL	SOIL	Dibenzofuran	1300	JD	1900	59	ug/Kg
Z4621-04DL	SW-14DL	SOIL	Fluorene	3500	D	1900	52	ug/Kg
Z4621-04DL	SW-14DL	SOIL	Phenanthrene	8200	D	1900	60	ug/Kg
Z4621-04DL	SW-14DL	SOIL	Anthracene	560	JD	1900	64	ug/Kg
Z4621-04DL	SW-14DL	SOIL	Fluoranthene	520	JD	1900	46	ug/Kg
Z4621-04DL	SW-14DL	SOIL	Pyrene	700	JD	1900	42	ug/Kg
		Total S	VOC's:	17390.00				
		Total T	IC's:	0.00				
		Total S	VOC's and TIC's:	17390.00				
Client ID:	SW-17							
Z4621-05	SW-17	SOIL	2-Methylnaphthalene	98	J	420	12	ug/Kg
Z4621-05	SW-17	SOIL	Acenaphthylene	54	J	420	6.1	ug/Kg
Z4621-05	SW-17	SOIL	Acenaphthene	160	J	420	9.0	ug/Kg
Z4621-05	SW-17	SOIL	Dibenzofuran	110	J	420	13	ug/Kg
Z4621-05	SW-17	SOIL	Fluorene	250	J	420	11	ug/Kg
Z4621-05	SW-17	SOIL	N-Nitrosodiphenylamine	540		420	31	ug/Kg
Z4621-05	SW-17	SOIL	Phenanthrene	530		420	13	ug/Kg
Z4621-05	SW-17	SOIL	Anthracene	46	J	420	14	ug/Kg
Z4621-05	SW-17	SOIL	Pyrene	45	J	420	9.1	ug/Kg
		Total S	VOC's:	1833.00				
		Total T	IC's:	0.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-18	COIL	2 Mathada anhthalan	1700		460	12	/ <b>I</b> Z
Z4621-06	SW-18	SOIL	2-Methylnaphthalene	1700		460	13	ug/Kg
Z4621-06	SW-18	SOIL	Acenaphthylene	440	J	460	6.7	ug/Kg
Z4621-06	SW-18	SOIL	Acenaphthene	1700		460	9.9	ug/Kg
Z4621-06	SW-18	SOIL	Dibenzofuran	1200		460	14	ug/Kg
Z4621-06	SW-18	SOIL	Fluorene	2800		460	12	ug/Kg
Z4621-06	SW-18	SOIL	Anthracene	1000		460	15	ug/Kg
Z4621-06	SW-18	SOIL	Fluoranthene	1300		460	11	ug/Kg
Z4621-06	SW-18	SOIL	Pyrene	1400		460	10	ug/Kg
Z4621-06	SW-18	SOIL	Benzo(a)anthracene	250	J	460	11	ug/Kg
Z4621-06	SW-18	SOIL	Chrysene	320	J	460	8.5	ug/Kg
Z4621-06	SW-18	SOIL	Benzo(b)fluoranthene	220	J	460	33	ug/Kg
Z4621-06	SW-18	SOIL	Benzo(k)fluoranthene	79	J	460	21	ug/Kg
Z4621-06	SW-18	SOIL	Benzo(a)pyrene	110	J	460	14	ug/Kg
Z4621-06	SW-18	SOIL	Indeno(1,2,3-cd)pyrene	93	J	460	12	ug/Kg
Z4621-06	SW-18	SOIL	Benzo(g,h,i)perylene	94	J	460	33	ug/Kg
		Total S	Total SVOC's:					
		Total T		0.00				
		Total S	VOC's and TIC's:	12706.00				
Client ID:	SW-18DL							
Z4621-06DL	SW-18DL	SOIL	2-Methylnaphthalene	1900	JD	4600	130	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Acenaphthylene	1000	JD	4600	67	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Acenaphthene	3200	JD	4600	99	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Dibenzofuran	2000	JD	4600	140	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Fluorene	5000	D	4600	120	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Phenanthrene	10000	D	4600	140	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Anthracene	1100	JD	4600	150	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Fluoranthene	1200	JD	4600	110	ug/Kg
Z4621-06DL	SW-18DL	SOIL	Pyrene	1500	JD	4600	100	ug/Kg
		Total S	VOC's:	26900.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	26900.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-19							
Z4621-19	SW-19	SOIL	Naphthalene	760		430	10	ug/Kg
Z4621-19	SW-19	SOIL	2-Methylnaphthalene	2400		430	12	ug/Kg
Z4621-19	SW-19	SOIL	Acenaphthylene	560		430	6.3	ug/Kg
Z4621-19	SW-19	SOIL	Acenaphthene	1500		430	9.3	ug/Kg
Z4621-19	SW-19	SOIL	Dibenzofuran	1300		430	13	ug/Kg
Z4621-19	SW-19	SOIL	Anthracene	490		430	14	ug/Kg
Z4621-19	SW-19	SOIL	Fluoranthene	530		430	10	ug/Kg
Z4621-19	SW-19	SOIL	Pyrene	680		430	9.3	ug/Kg
Z4621-19	SW-19	SOIL	Benzo(a)anthracene	120	J	430	10	ug/Kg
Z4621-19	SW-19	SOIL	Chrysene	160	J	430	8.0	ug/Kg
Z4621-19	SW-19	SOIL	Benzo(b)fluoranthene	92	J	430	31	ug/Kg
Z4621-19	SW-19	SOIL	Benzo(a)pyrene	46	J	430	13	ug/Kg
		Total S	VOC's:	8638.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	8638.00				
Client ID:	SW-19							
Z4621-07	SW-19	SOIL	Acenaphthylene	610		430	6.3	ug/Kg
Z4621-07	SW-19	SOIL	Acenaphthene	1300		430	9.3	ug/Kg
Z4621-07	SW-19	SOIL	Dibenzofuran	1200		430	13	ug/Kg
Z4621-07	SW-19	SOIL	Fluorene	2300		430	12	ug/Kg
Z4621-07	SW-19	SOIL	Anthracene	470		430	14	ug/Kg
Z4621-07	SW-19	SOIL	Fluoranthene	470		430	10	ug/Kg
Z4621-07	SW-19	SOIL	Pyrene	560		430	9.4	ug/Kg
Z4621-07	SW-19	SOIL	Benzo(a)anthracene	93	J	430	10	ug/Kg
Z4621-07	SW-19	SOIL	Chrysene	130	J	430	8.0	ug/Kg
Z4621-07	SW-19	SOIL	Benzo(b)fluoranthene	75	J	430	31	ug/Kg
		Total S	VOC's:	7208.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	7208.00				

SDG No.: Z4621 Order ID: Z4621

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	SW-19DL							
Z4621-19DL	SW-19DL	SOIL	Naphthalene	780	JD	2100	52	ug/Kg
Z4621-19DL	SW-19DL	SOIL	2-Methylnaphthalene	2500	D	2100	60	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Acenaphthylene	1100	JD	2100	31	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Acenaphthene	2200	D	2100	46	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Dibenzofuran	1700	JD	2100	66	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Fluorene	3500	D	2100	58	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Phenanthrene	8200	D	2100	67	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Anthracene	640	JD	2100	72	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Fluoranthene	550	JD	2100	52	ug/Kg
Z4621-19DL	SW-19DL	SOIL	Pyrene	710	JD	2100	47	ug/Kg
		Total	SVOC's:	21880.00				
		Total	TIC's:	0.00				
		Total	SVOC's and TIC's:	21880.00				
Client ID:	SW-19DL							
Z4621-07DL	SW-19DL	SOIL	2-Methylnaphthalene	4000	D	2100	61	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Acenaphthylene	810	JD	2100	31	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Acenaphthene	1800	JD	2100	46	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Dibenzofuran	1400	JD	2100	66	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Fluorene	2800	D	2100	58	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Phenanthrene	7200	D	2100	67	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Anthracene	860	JD	2100	72	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Fluoranthene	500	JD	2100	52	ug/Kg
Z4621-07DL	SW-19DL	SOIL	Pyrene	670	JD	2100	47	ug/Kg
		Total	SVOC's:	20040.00				
		Total	TIC's:	0.00				
		Total	SVOC's and TIC's:	20040.00				

### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Lin Low	iits High
					·	Quai		
PB36696B	SBLK01	2-Fluorophenol	150	116.07	77		23.00	104.00
		Phenol-d5	150	121.74	81		29.00	104.00
		Nitrobenzene-d5	100	79.43	79		28.00	110.00
		2-Fluorobiphenyl	100	90.09	90		32.00	109.00
		2,4,6-Tribromophenol	150	151.05	101		24.00	112.00
	a. a.a.	Terphenyl-d14	100	91.39	91		30.00	150.00
PB36696BS	SLCS01	2-Fluorophenol	150	124.59	83		23.00	104.00
		Phenol-d5	150	126.35	84		29.00	104.00
		Nitrobenzene-d5	100	82.59	83		28.00	110.00
		2-Fluorobiphenyl	100	90.84	91		32.00	109.00
		2,4,6-Tribromophenol	150	149.84	100		24.00	112.00
		Terphenyl-d14	100	85.2	85		30.00	150.00
Z4621-01	SW-11	2-Fluorophenol	150	112.95	75		23.00	104.00
		Phenol-d5	150	116.95	78		29.00	104.00
		Nitrobenzene-d5	100	61.35	61		28.00	110.00
		2-Fluorobiphenyl	100	79.75	80		32.00	109.00
		2,4,6-Tribromophenol	150	95.8	64		24.00	112.00
		Terphenyl-d14	100	76.2	76		30.00	150.00
Z4621-02	SW-12	2-Fluorophenol	150	108.16	72		23.00	104.00
		Phenol-d5	150	106.92	71		29.00	104.00
		Nitrobenzene-d5	100	63.96	64		28.00	110.00
		2-Fluorobiphenyl	100	64.85	65		32.00	109.00
		2,4,6-Tribromophenol	150	125.56	84		24.00	112.00
		Terphenyl-d14	100	69.45	69		30.00	150.00
Z4621-03	SW-13	2-Fluorophenol	150	114.61	76		23.00	104.00
		Phenol-d5	150	108.86	73		29.00	104.00
		Nitrobenzene-d5	100	65.89	66		28.00	110.00
		2-Fluorobiphenyl	100	73.01	73		32.00	109.00
		2,4,6-Tribromophenol	150	135.81	91		24.00	112.00
		Terphenyl-d14	100	69.89	70		30.00	150.00
Z4621-04	SW-14	2-Fluorophenol	150	141.94	95		23.00	104.00
		Phenol-d5	150	137.18	91		29.00	104.00
		Nitrobenzene-d5	100	98.97	99		28.00	110.00
		2-Fluorobiphenyl	100	70.96	71		32.00	109.00
		2,4,6-Tribromophenol	150	154.21	103		24.00	112.00
		Terphenyl-d14	100	84.21	84		30.00	150.00
Z4621-04DL	SW-14DL	2-Fluorophenol	150	132.7	88		23.00	104.00
27021-07DL	SW ITDL	Phenol-d5	150	130.45	87		29.00	104.00
		Nitrobenzene-d5	100	75.75	76		28.00	110.00
			100	75.75 75.45			32.00	10.00
		2-Fluorobiphenyl 2,4,6-Tribromophenol	150	91.7	75 61		24.00	112.00
		2,4,0-111010HI0phell01	130	91./	01		∠ <del>4</del> .00	112.00

### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

							Lin	nits
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4621-04DL	SW-14DL	Terphenyl-d14	100	69.7	70		30.00	150.00
Z4621-05	SW-17	2-Fluorophenol	150	126.71	84		23.00	104.00
		Phenol-d5	150	125.38	84		29.00	104.00
		Nitrobenzene-d5	100	78.75	79		28.00	110.00
		2-Fluorobiphenyl	100	83.13	83		32.00	109.00
		2,4,6-Tribromophenol	150	136.91	91		24.00	112.00
		Terphenyl-d14	100	84.96	85		30.00	150.00
Z4621-06	SW-18	2-Fluorophenol	150	114.84	77		23.00	104.00
		Phenol-d5	150	118.15	79		29.00	104.00
		Nitrobenzene-d5	100	82.27	82		28.00	110.00
		2-Fluorobiphenyl	100	40.29	40		32.00	109.00
		2,4,6-Tribromophenol	150	98.44	66		24.00	112.00
		Terphenyl-d14	100	72.83	73		30.00	150.00
Z4621-06DL	SW-18DL	2-Fluorophenol	150	102.4	68		23.00	104.00
		Phenol-d5	150	103.6	69		29.00	104.00
		Nitrobenzene-d5	100	73.4	73		28.00	110.00
		2-Fluorobiphenyl	100	77	77		32.00	109.00
		2,4,6-Tribromophenol	150	50.7	34		24.00	112.00
		Terphenyl-d14	100	74.1	74		30.00	150.00
Z4621-07	SW-19	2-Fluorophenol	150	126.77	85		23.00	104.00
		Phenol-d5	150	125.49	84		29.00	104.00
		Nitrobenzene-d5	100	87.15	87		28.00	110.00
		2-Fluorobiphenyl	100	62.94	63		32.00	109.00
		2,4,6-Tribromophenol	150	141.93	95		24.00	112.00
		Terphenyl-d14	100	81.13	81		30.00	150.00
Z4621-07DL	SW-19DL	2-Fluorophenol	150	136	91		23.00	104.00
		Phenol-d5	150	140.5	94		29.00	104.00
		Nitrobenzene-d5	100	89.2	89		28.00	110.00
		2-Fluorobiphenyl	100	86.55	87		32.00	109.00
		2,4,6-Tribromophenol	150	104.3	70		24.00	112.00
		Terphenyl-d14	100	83.6	84		30.00	150.00
Z4621-08	DUPLICATE	2-Fluorophenol	150	129.88	87		23.00	104.00
		Phenol-d5	150	125.02	83		29.00	104.00
		Nitrobenzene-d5	100	88.71	89		28.00	110.00
		2-Fluorobiphenyl	100	82.57	83		32.00	109.00
		2,4,6-Tribromophenol	150	155.46	104		24.00	112.00
		Terphenyl-d14	100	81.81	82		30.00	150.00
Z4621-08DL	DUPLICATEDL	2-Fluorophenol	150	117.6	78		23.00	104.00
		Phenol-d5	150	119.85	80		29.00	104.00
		Nitrobenzene-d5	100	67.35	67		28.00	110.00
		2-Fluorobiphenyl	100	76.5	77		32.00	109.00

### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

							Lim	iits
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4621-08DL	DUPLICATEDL	2,4,6-Tribromophenol	150	74.95	50		24.00	112.00
		Terphenyl-d14	100	70.75	71		30.00	150.00
Z4621-09	SW-01	2-Fluorophenol	150	97.31	65		23.00	104.00
		Phenol-d5	150	100.81	67		29.00	104.00
		Nitrobenzene-d5	100	64.58	65		28.00	110.00
		2-Fluorobiphenyl	100	61.21	61		32.00	109.00
		2,4,6-Tribromophenol	150	111.06	74		24.00	112.00
		Terphenyl-d14	100	56.14	56		30.00	150.00
Z4621-10	SW-02	2-Fluorophenol	150	117.08	78		23.00	104.00
		Phenol-d5	150	118.18	79		29.00	104.00
		Nitrobenzene-d5	100	73.76	74		28.00	110.00
		2-Fluorobiphenyl	100	67.92	68		32.00	109.00
		2,4,6-Tribromophenol	150	132.17	88		24.00	112.00
		Terphenyl-d14	100	71.4	71		30.00	150.00
Z4621-11	SW-03	2-Fluorophenol	150	130.51	87		23.00	104.00
		Phenol-d5	150	129.52	86		29.00	104.00
		Nitrobenzene-d5	100	77.41	77		28.00	110.00
		2-Fluorobiphenyl	100	80.68	81		32.00	109.00
		2,4,6-Tribromophenol	150	152.17	101		24.00	112.00
		Terphenyl-d14	100	80.34	80		30.00	150.00
Z4621-11DL	SW-03DL	2-Fluorophenol	150	123.6	82		23.00	104.00
		Phenol-d5	150	125.8	84		29.00	104.00
		Nitrobenzene-d5	100	72.5	73		28.00	110.00
		2-Fluorobiphenyl	100	83.35	83		32.00	109.00
		2,4,6-Tribromophenol	150	74.95	50		24.00	112.00
		Terphenyl-d14	100	78.05	78		30.00	150.00
Z4621-12	SW-04	2-Fluorophenol	150	129.21	86		23.00	104.00
		Phenol-d5	150	127.33	85		29.00	104.00
		Nitrobenzene-d5	100	88.75	89		28.00	110.00
		2-Fluorobiphenyl	100	72.68	73		32.00	109.00
		2,4,6-Tribromophenol	150	148.96	99		24.00	112.00
		Terphenyl-d14	100	79.71	80		30.00	150.00
Z4621-12DL	SW-04DL	2-Fluorophenol	150	127.6	85		23.00	104.00
		Phenol-d5	150	127.4	85		29.00	104.00
		Nitrobenzene-d5	100	75.35	75		28.00	110.00
		2-Fluorobiphenyl	100	75.6	76		32.00	109.00
		2,4,6-Tribromophenol	150	80.3	54		24.00	112.00
		Terphenyl-d14	100	73.45	73		30.00	150.00
Z4621-13	SW-05	2-Fluorophenol	150	132.88	89		23.00	104.00
		Phenol-d5	150	130.46	87		29.00	104.00
		Nitrobenzene-d5	100	88.75	89		28.00	110.00

### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

							Lim	
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4621-13	SW-05	2-Fluorobiphenyl	100	68.43	68		32.00	109.00
		2,4,6-Tribromophenol	150	147.36	98		24.00	112.00
		Terphenyl-d14	100	75.05	75		30.00	150.00
Z4621-13DL	SW-05DL	2-Fluorophenol	150	119.6	80		23.00	104.00
		Phenol-d5	150	125.45	84		29.00	104.00
		Nitrobenzene-d5	100	75.10	75		28.00	110.00
		2-Fluorobiphenyl	100	71.75	72		32.00	109.00
		2,4,6-Tribromophenol	150	76.35	51		24.00	112.00
		Terphenyl-d14	100	68	68		30.00	150.00
Z4621-14	SW-06	2-Fluorophenol	150	125.22	83		23.00	104.00
		Phenol-d5	150	124.36	83		29.00	104.00
		Nitrobenzene-d5	100	80.67	81		28.00	110.00
		2-Fluorobiphenyl	100	77.08	77		32.00	109.00
		2,4,6-Tribromophenol	150	154.72	103		24.00	112.00
		Terphenyl-d14	100	78.17	78		30.00	150.00
Z4621-14DL	SW-06DL	2-Fluorophenol	150	120.15	80		23.00	104.00
		Phenol-d5	150	131.15	87		29.00	104.00
		Nitrobenzene-d5	100	73.9	74		28.00	110.00
		2-Fluorobiphenyl	100	80.2	80		32.00	109.00
		2,4,6-Tribromophenol	150	71.14	47		24.00	112.00
		Terphenyl-d14	100	76.7	77		30.00	150.00
Z4621-15	SW-07	2-Fluorophenol	150	128.41	86		23.00	104.00
		Phenol-d5	150	126.23	84		29.00	104.00
		Nitrobenzene-d5	100	86.09	86		28.00	110.00
		2-Fluorobiphenyl	100	77.94	78		32.00	109.00
		2,4,6-Tribromophenol	150	165.89	111		24.00	112.00
		Terphenyl-d14	100	80.67	81		30.00	150.00
Z4621-15DL	SW-07DL	2-Fluorophenol	150	128.8	86		23.00	104.00
		Phenol-d5	150	128.7	86		29.00	104.00
		Nitrobenzene-d5	100	78.9	79		28.00	110.00
		2-Fluorobiphenyl	100	87.39	87		32.00	109.00
		2,4,6-Tribromophenol	150	62.4	42		24.00	112.00
		Terphenyl-d14	100	92.60	93		30.00	150.00
Z4621-16	SW-08	2-Fluorophenol	150	88.46	59		23.00	104.00
		Phenol-d5	150	95.79	64		29.00	104.00
		Nitrobenzene-d5	100	57.27	57		28.00	110.00
		2-Fluorobiphenyl	100	53.04	53		32.00	109.00
		2,4,6-Tribromophenol	150	117.64	78		24.00	112.00
		Terphenyl-d14	100	55.79	56		30.00	150.00
Z4621-17	SW-09	2-Fluorophenol	150	117.75	79		23.00	104.00
		Phenol-d5	150	115.65	77		29.00	104.00

### Surrogate Summary SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

							Lim	
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4621-17	SW-09	Nitrobenzene-d5	100	70.9	71		28.00	110.00
		2-Fluorobiphenyl	100	85.3	85		32.00	109.00
		2,4,6-Tribromophenol	150	125.65	84		24.00	112.00
		Terphenyl-d14	100	73.25	73		30.00	150.00
Z4621-18	SW-10	2-Fluorophenol	150	121.7	81		23.00	104.00
		Phenol-d5	150	119.47	80		29.00	104.00
		Nitrobenzene-d5	100	73.09	73		28.00	110.00
		2-Fluorobiphenyl	100	82.88	83		32.00	109.00
		2,4,6-Tribromophenol	150	153.97	103		24.00	112.00
		Terphenyl-d14	100	79.89	80		30.00	150.00
Z4621-18DL	SW-10DL	2-Fluorophenol	150	127.12	85		23.00	104.00
		Phenol-d5	150	122	81		29.00	104.00
		Nitrobenzene-d5	100	74	74		28.00	110.00
		2-Fluorobiphenyl	100	82.32	82		32.00	109.00
		2,4,6-Tribromophenol	150	105.56	70		24.00	112.00
		Terphenyl-d14	100	81.1	81		30.00	150.00
Z4621-19	SW-19	2-Fluorophenol	150	66.99	45		23.00	104.00
		Phenol-d5	150	68.98	46		29.00	104.00
		Nitrobenzene-d5	100	56.54	57		28.00	110.00
		2-Fluorobiphenyl	100	50.72	51		32.00	109.00
		2,4,6-Tribromophenol	150	126.28	84		24.00	112.00
		Terphenyl-d14	100	76.49	76		30.00	150.00
Z4621-19DL	SW-19DL	2-Fluorophenol	150	67.05	45		23.00	104.00
		Phenol-d5	150	70.7	47		29.00	104.00
		Nitrobenzene-d5	100	67.3	67		28.00	110.00
		2-Fluorobiphenyl	100	74.85	75		32.00	109.00
		2,4,6-Tribromophenol	150	92.8	62		24.00	112.00
		Terphenyl-d14	100	78.4	78		30.00	150.00
Z4621-20MS	SW-19MS	2-Fluorophenol	150	145.82	97		23.00	104.00
		Phenol-d5	150	143.75	96		29.00	104.00
		Nitrobenzene-d5	100	88.56	89		28.00	110.00
		2-Fluorobiphenyl	100	60.22	60		32.00	109.00
		2,4,6-Tribromophenol	150	108.64	72		24.00	112.00
		Terphenyl-d14	100	82.27	82		30.00	150.00
Z4621-21MSD	SW-19MSD	2-Fluorophenol	150	125.28	84		23.00	104.00
		Phenol-d5	150	118.61	79		29.00	104.00
		Nitrobenzene-d5	100	76.78	77		28.00	110.00
		2-Fluorobiphenyl	100	60.77	61		32.00	109.00
		2,4,6-Tribromophenol	150	114.16	76		24.00	112.00
		Terphenyl-d14	100	68.59	69		30.00	150.00

### Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4621** 

Client: HRP Associates, Inc.

Parameter	Spike	Sample Result	Result	Rec	Rec Qual R	RPD	RPD Qual	Low	Limits High	RPD
ab Sample ID: Z4621-20MS	Client Sa	mple ID:	SW-19MS							
2-Chlorophenol	2200	0	2200	100				52	107	
Phenol	2200	0	2000	91				42	105	
bis(2-Chloroethyl)ether	2200	0	2000	91				37	114	
Benzyl Alcohol	2200	0	2100	95				43	97	
2,2-oxybis(1-Chloropropane)	2200	0	1100	50				44	102	
2-Methylphenol	2200	0	2000	91				50	100	
Hexachloroethane	2200	0	5500	250	*			43	101	
N-Nitroso-di-n-propylamine	2200	0	1800	82				63	97	
3+4-Methylphenols	2200	0	2000	91				30	106	
Nitrobenzene	2200	0	1900	86				50	109	
Isophorone	2200	0	2200	100				48	111	
2-Nitrophenol	2200	0	2600	118	*			52	116	
2,4-Dimethylphenol	2200	0	2100	95				47	109	
bis(2-Chloroethoxy)methane	2200	0	1800	82				51	111	
2,4-Dichlorophenol	2200	0	2600	118	*			55	109	
Naphthalene	2200	760	2300	70				34	120	
Benzoic acid	2200	0	1000	45				16	112	
4-Chloroaniline	2200	0	400	18				15	92	
Hexachlorobutadiene	2200	0	2100	95				20	150	
4-Chloro-3-methylphenol	2200	0	2400	109	*			60	100	
2-Methylnaphthalene	2200	2400	3400	45	*			49	115	
Hexachlorocyclopentadiene	4300	0	1800	42				20	107	
2,4,6-Trichlorophenol	2200	0	1500	68				50	112	
2,4,5-Trichlorophenol	2200	0	1700	77				55	105	
2-Chloronaphthalene	2200	0	1500	68				50	113	
2-Nitroaniline	2200	0	1300	59				52	110	
Acenaphthylene	2200	560	1600	47	*			52	107	
Dimethylphthalate	2200	0	1600	73				45	122	
2,6-Dinitrotoluene	2200	0	2100	95				49	116	
Acenaphthene	2200	1500	2600	50	*			65	100	
3-Nitroaniline	2200	0	930	42				27	88	
2,4-Dinitrophenol	4300	0	1500	35				26	131	
Dibenzofuran	2200	1300	2300	45	*			52	113	
4-Nitrophenol	4300	0	6100	142	*			45	95	
2,4-Dinitrotoluene	2200	0	2000	91				56	104	
Fluorene	2200	2700	3600	41	*			47	117	
Diethylphthalate	2200	0	1400	64				49	115	
4-Chlorophenyl-phenylether	2200	0	1500	68				37	127	
4-Nitroaniline	2200	0	1400	64				41	115	
Azobenzene	2200	0	870	40	*			51	114	

### Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4621** 

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Client: HRP Associates, Inc.

		Sample			Rec	RPD		Limits	
Parameter	Spike	Result	Result	Rec	Qual RPD	Qual	Low	High	RPD
Lab Sample ID: Z4621-20MS	Client Sa	mple ID:	SW-19MS						
4,6-Dinitro-2-methylphenol	2200	0	1200	55			40	105	
N-Nitrosodiphenylamine	2200	0	14000	636	*		55	120	
4-Bromophenyl-phenylether	2200	0	2200	100			53	113	
Hexachlorobenzene	2200	0	2200	100			48	118	
Pentachlorophenol	4300	0	4400	102			33	111	
Phenanthrene	2200	6800	8300	68			50	119	
Anthracene	2200	490	2200	78			54	108	
Di-n-butylphthalate	2200	0	1700	77			52	112	
Fluoranthene	2200	530	2300	80			55	105	
Pyrene	2200	680	2500	83			49	120	
Butylbenzylphthalate	2200	0	1900	86			55	120	
Benzo(a)anthracene	2200	120	2000	85			60	100	
3,3-Dichlorobenzidine	2200	0	1200	55			31	111	
Chrysene	2200	160	2000	84			51	115	
bis(2-Ethylhexyl)phthalate	2200	0	1800	82			54	124	
Di-n-octyl phthalate	2200	0	2200	100			53	122	
Indeno(1,2,3-cd)pyrene	2200	0	2300	105			42	124	
Benzo(b)fluoranthene	2200	92	2000	87			42	126	
Benzo(k)fluoranthene	2200	0	1800	82			43	125	
Benzo(a)pyrene	2200	46	1900	84			58	102	
Dibenz(a,h)anthracene	2200	0	2000	91			41	130	
Benzo(g,h,i)perylene	2200	0	2000	91			39	130	

### Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: Z4621

Client: HRP Associates, Inc.

		Sample			Rec		RPD		Limits	
Parameter	Spike	Result	Result	Rec	Qual	RPD	Qual	Low	High	RPD
ab Sample ID: Z4621-21MSD	Client Sa	mple ID:	SW-19MSD							
2-Chlorophenol	2200	0	1800	82		20		52	107	50
Phenol	2200	0	1700	77		17		42	105	50
bis(2-Chloroethyl)ether	2200	0	1700	77		17		37	114	50
Benzyl Alcohol	2200	0	1800	82		15		43	97	50
2,2-oxybis(1-Chloropropane)	2200	0	880	40	*	22		44	102	50
2-Methylphenol	2200	0	1700	77		17		50	100	50
Hexachloroethane	2200	0	4500	205	*	20		43	101	50
N-Nitroso-di-n-propylamine	2200	0	1600	73		12		63	97	50
3+4-Methylphenols	2200	0	1600	73		22		30	106	50
Nitrobenzene	2200	0	1700	77		11		50	109	50
Isophorone	2200	0	1900	86		15		48	111	50
2-Nitrophenol	2200	0	2300	105		12		52	116	50
2,4-Dimethylphenol	2200	0	1800	82		15		47	109	50
bis(2-Chloroethoxy)methane	2200	0	1500	68		19		51	111	50
2,4-Dichlorophenol	2200	0	2200	100		17		55	109	50
Naphthalene	2200	760	2100	61		14		34	120	50
Benzoic acid	2200	0	830	38		17		16	112	50
4-Chloroaniline	2200	0	350	16		12		15	92	50
Hexachlorobutadiene	2200	0	1800	82		15		20	150	50
4-Chloro-3-methylphenol	2200	0	2000	91		18		60	100	50
2-Methylnaphthalene	2200	2400	4100	77		52	*	49	115	50
Hexachlorocyclopentadiene	4300	0	1700	40		5		20	107	50
2,4,6-Trichlorophenol	2200	0	1600	73		7		50	112	50
2,4,5-Trichlorophenol	2200	0	1600	73		5		55	105	50
2-Chloronaphthalene	2200	0	1500	68		0		50	113	50
2-Nitroaniline	2200	0	1100	50	*	17		52	110	50
Acenaphthylene	2200	560	1700	52		10		52	107	50
Dimethylphthalate	2200	0	1600	73		0		45	122	50
2,6-Dinitrotoluene	2200	0	2300	105		10		49	116	50
Acenaphthene	2200	1500	2300	36	*	33		65	100	50
3-Nitroaniline	2200	0	1200	55		27		27	88	50
2,4-Dinitrophenol	4300	0	1500	35		0		26	131	50
Dibenzofuran	2200	1300	2200	41	*	9		52	113	50
4-Nitrophenol	4300	0	6500	151	*	6		45	95	50
2,4-Dinitrotoluene	2200	0	2800	127	*	33		56	104	50
Fluorene	2200	2700	3300	27	*	41		47	117	50
Diethylphthalate	2200	0	1400	64		0		49	115	50
4-Chlorophenyl-phenylether	2200	0	1600	73		7		37	127	50
4-Nitroaniline	2200	0	1300	59		8		41	115	50
Azobenzene	2200	0	910	41	*	2		51	114	50

### Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4621** 

Client: HRP Associates, Inc.

Parameter	Spike	Sample Result	Result	Rec	Rec Oual	RPD	RPD Qual	Low	Limits High	RPD
Turumeter	Брікс	Result	Kesuit	Tee	Quui	M D	Quui	1011	mgn	M D
Lab Sample ID: Z4621-21MSD	Client Sa	-	SW-19MSD							
4,6-Dinitro-2-methylphenol	2200	0	980	45		20		40	105	50
N-Nitrosodiphenylamine	2200	0	8900	405	*	44		55	120	50
4-Bromophenyl-phenylether	2200	0	1900	86		15		53	113	50
Hexachlorobenzene	2200	0	1900	86		15		48	118	50
Pentachlorophenol	4300	0	3400	79		25		33	111	50
Phenanthrene	2200	6800	6600	-9	*	261	*	50	119	50
Anthracene	2200	490	1700	55		35		54	108	50
Di-n-butylphthalate	2200	0	1500	68		12		52	112	50
Fluoranthene	2200	530	2000	67		18		55	105	50
Pyrene	2200	680	2200	69		18		49	120	50
Butylbenzylphthalate	2200	0	1500	68		23		55	120	50
Benzo(a)anthracene	2200	120	1700	72		17		60	100	50
3,3-Dichlorobenzidine	2200	0	930	42		27		31	111	50
Chrysene	2200	160	1700	70		18		51	115	50
bis(2-Ethylhexyl)phthalate	2200	0	1500	68		19		54	124	50
Di-n-octyl phthalate	2200	0	1900	86		15		53	122	50
Indeno(1,2,3-cd)pyrene	2200	0	1900	86		20		42	124	50
Benzo(b)fluoranthene	2200	92	1600	69		23		42	126	50
Benzo(k)fluoranthene	2200	0	1500	68		19		43	125	50
Benzo(a)pyrene	2200	46	1600	71		17		58	102	50
Dibenz(a,h)anthracene	2200	0	1700	77		17		41	130	50
Benzo(g,h,i)perylene	2200	0	1600	73		22		39	130	50
Benzo(g,h,i)perylene	2200	0	1600	73		22		39	130	50

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	Limits High RPD
PB36696BS	2-Chlorophenol	1700	1400	82		54	92
	Phenol	1700	1300	76		48	96
	bis(2-Chloroethyl)ether	1700	1400	82		49	96
	Benzyl Alcohol	1700	1300	76		53	90
	2,2-oxybis(1-Chloropropane)	1700	1200	71		47	97
	2-Methylphenol	1700	1300	76		55	91
	Hexachloroethane	1700	1400	82		50	91
	N-Nitroso-di-n-propylamine	1700	1300	76		49	99
	3+4-Methylphenols	1700	1300	76		57	92
	Nitrobenzene	1700	1300	76		53	92
	Isophorone	1700	1300	76		55	89
	2-Nitrophenol	1700	1400	82		58	89
	2,4-Dimethylphenol	1700	1300	76		58	88
	bis(2-Chloroethoxy)methane	1700	1300	76		57	88
	2,4-Dichlorophenol	1700	1400	82		55	109
	Naphthalene	1700	1400	82		34	120
	Benzoic acid	1700	470	28		27	106
	4-Chloroaniline	1700	710	42		7	68
	Hexachlorobutadiene	1700	1500	88		53	98
	4-Chloro-3-methylphenol	1700	1300	76		57	92
	2-Methylnaphthalene	1700	1300	76		59	91
	Hexachlorocyclopentadiene	3300	3100	94	*	17	73
	2,4,6-Trichlorophenol	1700	1500	88		60	99
	2,4,5-Trichlorophenol	1700	1500	88		56	98
	2-Chloronaphthalene	1700	1500	88		59	97
	2-Nitroaniline	1700	1300	76		53	96
	Acenaphthylene	1700	1400	82		51	98
	Dimethylphthalate	1700	1400	82		54	102
	2,6-Dinitrotoluene	1700	1400	82		58	97
	Acenaphthene	1700	1400	82		52	97
	3-Nitroaniline	1700	940	55		10	91
	2,4-Dinitrophenol	3300	2000	61		37	93
	Dibenzofuran	1700	1400	82		56	91
	4-Nitrophenol	3300	2600	79		24	120
	2,4-Dinitrotoluene	1700	1500	88		61	101
	Fluorene	1700	1400	82		52	97
	Diethylphthalate	1700	1400	82		55	101
	4-Chlorophenyl-phenylether	1700	1500	88		60	99
	4-Nitroaniline	1700	1300	76		47	102
	Azobenzene	1700	1300	76		54	98
	4,6-Dinitro-2-methylphenol	1700	1400	82		58	107

## **Chemtech Consulting Group**

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4621</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW-846 8270

							Limits	
Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	High	RPD
PB36696BS	N-Nitrosodiphenylamine	1700	1400	82		60	101	
	4-Bromophenyl-phenylether	1700	1500	88		62	101	
	Hexachlorobenzene	1700	1600	94		59	101	
	Pentachlorophenol	3300	3000	91		32	102	
	Phenanthrene	1700	1400	82		55	106	
	Anthracene	1700	1400	82		55	103	
	Di-n-butylphthalate	1700	1400	82		60	106	
	Fluoranthene	1700	1400	82		54	104	
	Pyrene	1700	1400	82		53	103	
	Butylbenzylphthalate	1700	1400	82		56	103	
	Benzo(a)anthracene	1700	1400	82		58	100	
	3,3-Dichlorobenzidine	1700	920	54		28	101	
	Chrysene	1700	1400	82		53	103	
	bis(2-Ethylhexyl)phthalate	1700	1300	76		51	115	
	Di-n-octyl phthalate	1700	1400	82		54	106	
	Indeno(1,2,3-cd)pyrene	1700	1700	100		35	112	
	Benzo(b)fluoranthene	1700	1400	82		49	104	
	Benzo(k)fluoranthene	1700	1400	82		47	119	
	Benzo(a)pyrene	1700	1400	82		53	103	
	Dibenz(a,h)anthracene	1700	1600	94		44	108	
	Benzo(g,h,i)perylene	1700	1500	88		40	106	

#### SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

Lab File ID: BE051416.D Lab Sample ID: PB36696B

Instrument ID: BNAE Date Extracted: 9/23/2008

Matrix: (soil/water) SOIL Date Analyzed: 9/24/2008

Level: (low/med) LOW Time Analyzed: 16:04

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

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	SLCS01	PB36696BS	BE051417.D	9/24/2008
02	SW-14	Z4621-04	BE051418.D	9/24/2008
03	SW-17	Z4621-05	BE051419.D	9/24/2008
04	DUPLICATE	Z4621-08	BE051420.D	9/24/2008
05	SW-02	Z4621-10	BE051421.D	9/24/2008
06	SW-03	Z4621-11	BE051422.D	9/24/2008
07	SW-04	Z4621-12	BE051423.D	9/24/2008
80	SW-05	Z4621-13	BE051424.D	9/24/2008
09	SW-06	Z4621-14	BE051425.D	9/24/2008
10	SW-08	Z4621-16	BE051426.D	9/24/2008
11	SW-10	Z4621-18	BE051427.D	9/24/2008
12	SW-12	Z4621-02	BE051428.D	9/24/2008
13	SW-19	Z4621-07	BE051429.D	9/24/2008
14	SW-13	Z4621-03	BE051430.D	9/24/2008
15	SW-07	Z4621-15	BE051431.D	9/24/2008
16	SW-01	Z4621-09	BE051432.D	9/25/2008
17	SW-18	Z4621-06	BE051433.D	9/25/2008
18	SW-19	Z4621-19	BE051434.D	9/25/2008
19	SW-11	Z4621-01	BE051435.D	9/25/2008
20	sw-09	Z4621-17	BE051436.D	9/25/2008
21	SW-14DL	Z4621-04DL	BE051447.D	9/25/2008
22	SW-04DL	Z4621-12DL	BE051448.D	9/25/2008
23	SW-05DL	Z4621-13DL	BE051449.D	9/25/2008
24	DUPLICATEDL	Z4621-08DL	BE051450.D	9/25/2008
25	SW-03DL	Z4621-11DL	BE051451.D	9/25/2008
26	SW-06DL	Z4621-14DL	BE051452.D	9/25/2008
27	SW-19DL	Z4621-07DL	BE051453.D	9/25/2008

COMMENTS:

#### SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

Lab File ID: BE051416.D Lab Sample ID: PB36696B

Instrument ID: BNAE Date Extracted: 9/23/2008

Matrix: (soil/water) SOIL Date Analyzed: 9/24/2008

Level: (low/med) LOW Time Analyzed: 16:04

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
28	SW-10DL	Z4621-18DL	BE051454.D	9/25/2008
29	SW-07DL	Z4621-15DL	BE051455.D	9/25/2008
30	SW-18DL	Z4621-06DL	BE051456.D	9/25/2008
31	SW-19DL	Z4621-19DL	BE051457.D	9/25/2008
32	SW-19MS	Z4621-20MS	BE051458.D	9/25/2008
33	SW-19MSD	Z4621-21MSD	BE051459.D	9/25/2008

COMMENTS:			

EPA SAMPLE NO.

SBLK01

Lab Name: Chemtech Co	onsulting Group Contract	: HRPA02
Lab Code: CHEM	Case No.: Z4621 SAS No.:	Z4621 SDG No.: Z4621
Matrix (soil/water):	SOIL Lab Samp	PB36696B
Sample wt/vol: 30.0	) (g/mL) g Lab File	BE051416.D
Level: (low/med)	Date Rec	eived:
% Moisture: 0	Decanted: (Y/N) N Date Ext	
Concentrated Extract Vo.	<del>_</del>	
Injection Volume:		<u> </u>
_		<u></u>
GPC Cleanup: (Y/N)	<del></del>	Lon: (Type) SOXH
CAS NO.		RATION UNITS: or ug/Kg) ug/Kg Q
	, , , , , , , , , , , , , , , , , , ,	<u> </u>
108-95-2	Phenol	330 U
111-44-4	bis(2-Chloroethyl)ether	330 U
95-57-8	2-Chlorophenol	330 U
100-51-6	Benzyl Alcohol	330 U
95-48-7	2-Methylphenol	330 U
108-60-1	2,2-oxybis(1-Chloropropane)	330 U
106-44-5	3+4-Methylphenols	330 U
621-64-7	N-Nitroso-di-n-propylamine	330 U
67-72-1	Hexachloroethane	330 U
98-95-3	Nitrobenzene	330 U
78-59-1	Isophorone	330 U
88-75-5	2-Nitrophenol	330 U
105-67-9	2,4-Dimethylphenol	330 U
111-91-1	bis(2-Chloroethoxy)methane	330 U
120-83-2	2,4-Dichlorophenol	330 U
65-85-0	Benzoic acid	330 U
91-20-3	Naphthalene	330 U
106-47-8		<del>-</del>
	4-Chloroaniline	330 U
87-68-3	Hexachlorobutadiene	330 U
59-50-7	4-Chloro-3-methylphenol	330 U
91-57-6	2-Methylnaphthalene	330 U
77-47-4	Hexachlorocyclopentadiene	330 U
88-06-2	2,4,6-Trichlorophenol	330 U
95-95-4	2,4,5-Trichlorophenol	830 U
91-58-7	2-Chloronaphthalene	330 U
88-74-4	2-Nitroaniline	830 U
131-11-3	Dimethylphthalate	330 U
208-96-8	Acenaphthylene	330 U
606-20-2	2,6-Dinitrotoluene	330 U
99-09-2	3-Nitroaniline	830 U
83-32-9	Acenaphthene	330 U
51-28-5	2,4-Dinitrophenol	830 U
-	<u> </u>	<u> </u>

EPA SAMPLE NO.

SBLK01

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4621 SAS No.: Z4621 SDG No.: Z4621 Matrix (soil/water): SOIL Lab Sample ID: PB36696B Sample wt/vol: 30.0 (g/mL) Lab File ID: BE051416.D g Level: (low/med) Date Received: % Moisture: 0 Decanted: (Y/N) N Date Extracted: 9/23/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 9/24/2008 Injection Volume: 1.0 Dilution Factor: 1.0 GPC Cleanup: (Y/N) Extraction: (Type) SOXH N pH: CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 100-02-7 4-Nitrophenol 830 U 132-64-9 Dibenzofuran 330 U 121-14-2 2,4-Dinitrotoluene 330 U 84-66-2 Diethylphthalate 330 U 7005-72-3 4-Chlorophenyl-phenylether 330 U 86-73-7 Fluorene 330 TT 100-01-6 4-Nitroaniline 830 U 534-52-1 U 4,6-Dinitro-2-methylphenol 830 330 86-30-6 N-Nitrosodiphenylamine U 103-33-3 Azobenzene 330 U 101-55-3 4-Bromophenyl-phenylether 330 U 118-74-1 330 U Hexachlorobenzene Pentachlorophenol 87-86-5 830 TT 85-01-8 Phenanthrene 330 U 120-12-7 330 U Anthracene 84-74-2 Di-n-butylphthalate 330 U 206-44-0 Fluoranthene 330 U 129-00-0 Pyrene 330 U 330 85-68-7 Butylbenzylphthalate TT 91-94-1 3,3-Dichlorobenzidine 330 U 56-55-3 Benzo(a)anthracene 330 U 218-01-9 330 Chrysene U 117-81-7 bis(2-Ethylhexyl)phthalate 330 U 117-84-0 330 U Di-n-octyl phthalate 205-99-2 Benzo(b)fluoranthene 330 U 207-08-9 Benzo(k)fluoranthene 330 U 50-32-8 330 U Benzo(a)pyrene 193-39-5 Indeno(1,2,3-cd)pyrene 330 U 53-70-3 Dibenz(a,h)anthracene 330 U 191-24-2 Benzo(g,h,i)perylene 330 U

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

EPA Sample No.: SSTD040 Date Analyzed: 9/25/2008

Lab File ID: BE051446.D Time Analyzed: 16:00

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	122586	5.25	423334	6.71	219284	8.85
	UPPER LIMIT	245172	5.75	846668	7.21	438568	9.35
	LOWER LIMIT	61293	4.75	211667	6.21	109642	8.35
	EPA SAMPLE NO.						
01	SW-14DL	111973	5.25	389396	6.71	212987	8.86
02	SW-04DL	110484	5.25	380326	6.71	218907	8.86
03	SW-05DL	108064	5.25	368196	6.72	208915	8.86
04	DUPLICATEDL	116945	5.25	390801	6.71	215900	8.86
05	SW-03DL	108823	5.25	355257	6.71	190866	8.85
06	SW-06DL	105029	5.25	347342	6.71	185871	8.85
07	SW-19DL_	98078	5.25	317128	6.72	177120	8.86
80	SW-10DL	98540	5.25	325816	6.71	170355	8.86
09	SW-07DL	102324	5.25	341933	6.71	188004	8.85
10	SW-18DL	96776	5.25	319893	6.71	171671	8.85
11	SW-19DL	96731	5.25	317043	6.72	172585	8.86
12	SW-19MS	78116	5.25	248718	6.73	199142	8.88
13	SW-19MSD	86313	5.25	271375	6.73	187464	8.88

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

EPA Sample No.: SSTD040 Date Analyzed: 9/25/2008

Lab File ID: BE051446.D Time Analyzed: 16:00

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	354849	10.68	350351	13.94	302599	16.12
	UPPER LIMIT	709698	11.18	700702	14.44	605198	16.62
	LOWER LIMIT	177425	10.18	175176	13.44	151300	15.62
	EPA SAMPLE NO.						
01	SW-14DL	342414	10.69	374171	13.94	341284	16.12
02	SW-04DL	343740	10.69	370333	13.94	337023	16.12
03	SW-05DL	338735	10.69	356732	13.94	320963	16.12
04	DUPLICATEDL	352154	10.69	382083	13.94	337617	16.12
05	SW-03DL	306237	10.68	330181	13.94	290739	16.12
06	SW-06DL	295311	10.68	314032	13.94	280129	16.12
07	SW-19DL_	271201	10.69	309024	13.95	284868	16.12
80	SW-10DL	283096	10.69	303221	13.94	267985	16.12
09	SW-07DL	294031	10.68	298367	13.94	267759	16.12
10	SW-18DL	279659	10.69	298451	13.94	272883	16.12
11	SW-19DL	278093	10.70	314128	13.95	296329	16.12
12	SW-19MS	255890	10.74	294551	13.96	264750	16.14
13	SW-19MSD	288558	10.73	331925	13.96	309788	16.14

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG NO.: Z4621

EPA Sample No.: SSTD060 Date Analyzed: 9/24/2008

Lab File ID: BE051415.D Time Analyzed: 15:29

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	75558	5.27	249486	6.73	142123	8.87
	UPPER LIMIT	151116	5.77	498972	7.23	284246	9.37
	LOWER LIMIT	37779	4.77	124743	6.23	71062	8.37
	EPA SAMPLE NO.						
01	SBLK01	76343	5.27	257148	6.73	144874	8.87
02	SLCS01	74419	5.27	254286	6.74	140738	8.87
03	SW-14	66469	5.27	204420	6.74	147583	8.90
04	SW-17	82980	5.27	265314	6.74	152055	8.87
05	DUPLICATE	78508	5.27	246917	6.74	145188	8.89
06	SW-02	91285	5.27	301707	6.73	170142	8.87
07	SW-03	80458	5.27	267275	6.74	147575	8.89
80	SW-04	79919	5.27	239786	6.74	165593	8.90
09	sw-05	79238	5.27	241395	6.75	170891	8.90
10	SW-06	84607	5.27	258552	6.74	156291	8.89
11	SW-08	101041	5.27	337935	6.73	188836	8.87
12	SW-10	90181	5.27	278220	6.73	154697	8.88
13	SW-12	102897	5.27	347223	6.73	184446	8.87
14	sw-19_	84174	5.27	245578	6.74	194289	8.90
15	SW-13	100927	5.27	312046	6.74	181152	8.88
16	SW-07	84665	5.27	265033	6.74	160563	8.89
17	SW-01	94491	5.27	305612	6.74	172992	8.88
18	SW-18	76591	5.27	225659	6.75	259998	8.92
19	SW-19	83399	5.27	257221	6.74	210313	8.92
20	SW-11	100003	5.27	330936	6.74	194409	8.87
21	sw-09	104897	5.27	341317	6.74	186174	8.87

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

#### 8C

#### SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4621 SAS No.: Z4621 SDG No.: Z4621

EPA Sample No.: SSTD060 Date Analyzed: 9/24/2008

Lab File ID: BE051415.D Time Analyzed: 15:29

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

I		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	254776	10.70	315884	13.97	270206	16.16
	UPPER LIMIT	509552	11.20	631768	14.47	540412	16.66
	LOWER LIMIT	127388	10.20	157942	13.47	135103	15.66
	EPA SAMPLE NO.						
01	SBLK01	260806	10.70	288869	13.96	257125	16.16
02	SLCS01	247682	10.70	283524	13.97	252358	16.15
03	SW-14	236142	10.74	301101	13.97	272964	16.16
04	SW-17	258415	10.71	288819	13.96	275619	16.16
05	DUPLICATE	259399	10.73	328831	13.97	307619	16.16
06	SW-02	280193	10.70	331534	13.96	313344	16.16
07	SW-03	251165	10.72	329536	13.97	307722	16.16
80	SW-04	272652	10.74	345498	13.97	325465	16.16
09	sw-05	270868	10.74	348410	13.97	322222	16.17
10	SW-06	264242	10.73	326701	13.97	311684	16.16
11	SW-08	304873	10.70	341616	13.96	331352	16.16
12	SW-10	276276	10.72	339396	13.97	329275	16.16
13	SW-12	296817	10.70	336920	13.96	323767	16.15
14	sw-19_	293029	10.77	362984	13.99	356459	16.18
15	SW-13	298523	10.71	358957	13.97	354363	16.17
16	SW-07	279130	10.73	355521	13.97	344544	16.18
17	SW-01	279217	10.72	355972	13.97	348951	16.18
18	SW-18	289448	10.77	356515	13.98	339091	16.19
19	SW-19	338979	10.78	393537	13.99	387699	16.20
20	SW-11	314293	10.71	380124	13.97	364402	16.17
21	sw-09	322721	10.71	399263	13.97	385552	16.17

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

for all compounds using Linear Regression when the %RSD value for a compound is >
15% for the Initial Calibration curve for SW-846 analysis.

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

Signature			
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## **CASE NARRATIVE**

HRP Associates, Inc.

**Project Name: Mechanicville ERP site** 

Project # N/A

Chemtech Project # Z4726

## A. Number of Samples and Date of Receipt:

9 Solid samples were received on 9/27/08.

#### **B.** Parameters

According to the Chain of Custody document, the following analyses were requested: 8260 Stars List Volatiles soil, and Semivolatiles Chemtech 8270 List. This data package contains results for Semivolatiles Chemtech 8270 List.

## C. Analytical Techniques:

The samples were analyzed on instrument BNA F using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704. The method of analysis was 8270 and extraction method is 3541.

### D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for B-22, B-23, B-24, B-24MS, B-24MSD and B-25.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for bis(2-

Chloroethyl)ether, Benzyl Alcohol, N-Nitroso-di-n-propylamine, Hexachloroethane,

Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-

Chloroethoxy)methane, 2,4-Dichlorophenol, 4-Chloro-3-methylphenol, 2,4,6-

Trichlorophenol, 2,4,5-Trichlorophenol, 2,6-Dinitrotoluene, 3-Nitroaniline, 4-

Nitrophenol, Dibenzofuran, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, N-

Nitrosodiphenylamine, Azobenzene, Fluoranthene and Benzo(a)anthracene.

The MSD recoveries met the acceptable requirements except for bis(2-Chloroethyl)ether,

Benzyl Alcohol, Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-

Chloroethoxy)methane, 2,4-Dichlorophenol, 4-Chloro-3-methylphenol, 2,4,6-

Trichlorophenol, 2,4,5-Trichlorophenol, 2-Nitroaniline, Acenaphthylene, 2,6-

Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, 2,4-

Dinitrotoluene, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine, Azobenzene and Fluoranthene.

The RPD recoveries met criteria except for Benzoic acid.

The Blank Spike met requirements for all samples except for 2-Chlorophenol, Benzyl

Alcohol, 2-Methylphenol, 3+4-Methylphenols, Nitrobenzene, Isophorone, 2-Nitrophenol,

2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 4-Chloro-3-methylphenol, 2-

Methylnaphthalene, Hexachlorocyclopentadiene, 2,4,5-Trichlorophenol, 2-Nitroaniline,

Acenaphthylene, 2,6-Dinitrotoluene, Dibenzofuran, 2,4-Dinitrotoluene, 4-Chlorophenylphenylether, Fluorene and Azobenzene.

The Blank analysis indicated presence of 2-Methylnaphthalene (71 ug/Kg), Acenaphthylene (78 ug/Kg), Fluorene (72 ug/kg), Phenanthrene (230ug/Kg), Anthracene (64 ug/Kg), Fluoranthene (69 ug/kg), Pyrene (120 ug/kg), Benzo (a) anthracene (41 ug/kg) and Chrysene (37 ug/kg) due to possible lab contamination.

The Calibration File ID BF023277.D met the requirements except for 4-Nitrophenol. The Tuning criteria met requirements.

### **E. Additional Comments:**

Samples SW-16, B-23 and B-25 were diluted due to bad matrices. Samples SW-16, B-22 and B-24 were diluted due to high concentrations.

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

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

Signature		
- 6	 	 

EPA SAMPLE NO.

sw-15	

Lab Name: Chemtech					Contract:	HRPA0		
Lab Code:	СНЕМ	Case No	.:	Z4726	SAS No.:	Z4726	SDG No.:	<u>z4726</u>
Matrix (soil/	water):	S	OIL		Lab Sample ID:	<u> 24726-0</u>	1	-
Sample wt/vol	5.0	(g/mL)	g	_	Lab File ID:	VI02190	07.D	
Level (low/me	ed):	LOW			Date Received:	9/27/08		
% Moisture: n	ot dec.	17			Date Analyzed:	10/1/08	<u> </u>	
GC Column:	RTX-VMS	ID:	0.25	(mm)	Dilution Factor	:	1.0	
Soil Extract	Volume:		(1	7 <u>r</u> )	Soil Aliquot Vo	lume:	(	uL)

CAS No.	Compound (ug/L or ug/Kg	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.0	U
71-43-2	Benzene	6.0	υ
108-88-3	Toluene	6.0	U
100-41-4	Ethyl Benzene	6.0	υ
126777-61-2	m/p-Xylenes	12	υ
95-47-6	o-Xylene	6.0	υ
98-82-8	Isopropylbenzene	5.0	J
103-65-1	N-propylbenzene	8.1	
108-67-8	1,3,5-Trimethylbenzene	6.0	υ
98-06-6	tert-Butylbenzene	2.7	J
95-63-6	1,2,4-Trimethylbenzene	6.0	υ
135-98-8	Sec-butylbenzene	16	
99-87-6	p-Isopropyltoluene	6.0	U
104-51-8	n-Butylbenzene	18	
91-20-3	Naphthalene	6.0	υ

EPA SAMPLE NO.

SW-16

Lab Name: Chemtech		ech		Contract:	HRPA02				
Lab Code:	CHEM	Case No.	:	Z4726	SAS No.:	Z4726	SDG No.:	Z4726	
Matrix (soil/	water):	sc	OIL		Lab Sample ID:	Z4726-02	2		
Sample wt/vol	5.0	(g/mL)	g		Lab File ID:	VI02190	9.D		
Level (low/me	ed):	LOW			Date Received:	9/27/08			
% Moisture: n	not dec.	18			Date Analyzed:	10/1/08	<u>_</u>		
GC Column:	RTX-VMS	ID:	0.25	(mm)	Dilution Factor	: 1	0		
Soil Extract	Volume:		(ul	7)	Soil Aliquot Vo	lume:	(	uL)	

CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.1	U
71-43-2	Benzene	6.1	U
108-88-3	Toluene	6.1	U
100-41-4	Ethyl Benzene	6.1	U
126777-61-2	m/p-Xylenes	12	U
95-47-6	o-Xylene	6.1	U
98-82-8	Isopropylbenzene	83	
103-65-1	N-propylbenzene	98	
108-67-8	1,3,5-Trimethylbenzene	6.1	U
98-06-6	tert-Butylbenzene	6.1	U
95-63-6	1,2,4-Trimethylbenzene	350	E
135-98-8	Sec-butylbenzene	110	
99-87-6	p-Isopropyltoluene	6.1	Ū
104-51-8	n-Butylbenzene	6.1	U
91-20-3	Naphthalene	6.1	U

EPA SAMPLE NO.

SW-16DL

Lab Name:	Name: Chemtech		Chemtech Contract:		Contract:	HRPA02		
Lab Code:	СНЕМ	Case No.:	Z4726	SAS No.:	Z4726	SDG No.:	Z4726	
Matrix (soil	/water):	SOIL		Lab Sample ID:	<u>z4726-02</u> 1	DL		
Sample wt/vo	1: 4.0	(g/mL) g	<u>_</u>	Lab File ID:	VH024267	.D		
Level (low/me	ed):	MED		Date Received:	9/27/08	_		
% Moisture:	not dec.	18		Date Analyzed:	10/2/08	_		
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	:	. 0		
Soil Extract	Volume:	10000	uL)	Soil Aliquot Vo	lume:	100 (	uL)	

CAS No.	Compound (ug/L or ug/K	(g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	760	U
71-43-2	Benzene	760	U
108-88-3	Toluene	760	U
100-41-4	Ethyl Benzene	760	U
126777-61-2	m&p-Xylenes	1500	U
95-47-6	o-Xylene	760	υ
98-82-8	Isopropylbenzene	760	U
103-65-1	n-propylbenzene	490	JD
108-67-8	1,3,5-Trimethylbenzene	760	U
98-06-6	tert-Butylbenzene	760	U
95-63-6	1,2,4-Trimethylbenzene	2800	D
135-98-8	Sec-butylbenzene	1600	D
99-87-6	p-Isopropyltoluene	760	U
104-51-8	n-Butylbenzene	760	υ
91-20-3	Naphthalene	760	U

EPA SAMPLE NO.

B-21

Lab Name: Chemtech					Contract:	HRPA02	HRPA02		
Lab Code:	СНЕМ	Case No	.:	Z4726	SAS No.:	Z4726	SDG No.:	<u>z4726</u>	
Matrix (soil/v	water):	S	OIL		Lab Sample ID:	<u>z4726-03</u>			
Sample wt/vol	: 5.0	(g/mL)	g	_	Lab File ID:	VI021932	2.D		
Level (low/med	d):	LOW			Date Received:	9/27/08			
% Moisture: no	ot dec.	26			Date Analyzed:	10/2/08	_		
GC Column:	RTX-VMS	ID:	0.25	(mm)	Dilution Factor	: 1	.0		
Soil Extract	Volume:		(1	л <b>Г</b> )	Soil Aliquot Vol	lume:	(	uL)	

CAS No.	Compound (ug/L or ug/K	g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.7	Ū
71-43-2	Benzene	6.7	Ū
108-88-3	Toluene	6.7	Ū
100-41-4	Ethyl Benzene	6.7	Ū
126777-61-2	m/p-Xylenes	13	Ū
95-47-6	o-Xylene	6.7	Ū
98-82-8	Isopropylbenzene	100	
103-65-1	N-propylbenzene	140	
108-67-8	1,3,5-Trimethylbenzene	6.7	Ū
98-06-6	tert-Butylbenzene	35	
95-63-6	1,2,4-Trimethylbenzene	50	
135-98-8	Sec-butylbenzene	200	E
99-87-6	p-Isopropyltoluene	6.7	υ
104-51-8	n-Butylbenzene	200	
91-20-3	Naphthalene	6.7	ŭ

EPA SAMPLE NO.

B-21DL

Lab Name: Chemtech				Contract:			HRPA02		
Lab Code:	СНЕМ	Case No.:	<u>z</u> 4726		SAS No.:	<u>z47</u>	26	SDG No.:	Z4726
Matrix (soil/	water):	SOIL		Lab	Sample ID:	<b>Z4</b>	726-03DL	<u> </u>	
Sample wt/vol	: 4.0	(g/mL) g	_	Lab	File ID:	VE	024266.1	<u> </u>	
Level (low/me	ed):	MED		Date	Received:	9/:	27/08		
% Moisture: n	ot dec.	26		Date	Analyzed:	10,	/2/08		

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	840	U
71-43-2	Benzene	840	U
108-88-3	Toluene	840	U
100-41-4	Ethyl Benzene	840	U
126777-61-2	m&p-Xylenes	1700	U
95-47-6	o-Xylene	840	U
98-82-8	Isopropylbenzene	840	U
103-65-1	n-propylbenzene	840	U
108-67-8	1,3,5-Trimethylbenzene	840	U
98-06-6	tert-Butylbenzene	840	U
95-63-6	1,2,4-Trimethylbenzene	840	U
135-98-8	Sec-butylbenzene	400	JD
99-87-6	p-Isopropyltoluene	840	U
104-51-8	n-Butylbenzene	840	U
91-20-3	Naphthalene	840	U

EPA SAMPLE NO.

B-22	

Lab Name:	Chemtech			_	Contract:	HRPA02	2	
Lab Code:	CHEM	Case No.	: <u>z4</u>	726	SAS No.:	Z4726	SDG No.:	Z4726
Matrix (soil,	/water):	so	IL	<u></u>	Lab Sample ID:	<u>z4726-04</u>	<u>I</u>	_
Sample wt/vol	1: 5.0	(g/mL)	g		Lab File ID:	VI02191	3.D	
Level (low/me	ed):	LOW			Date Received:	9/27/08		
% Moisture: n	not dec.	28			Date Analyzed:	10/1/08	_	
GC Column:	RTX-VMS	ID: (	0.25	(mm)	Dilution Factor	: 1	0	
Soil Extract	Volume:		(uL)		Soil Aliquot Vo	lume:	(	uL)

CAS No.	Compound (ug/L or ug/Kg	r) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.9	U
71-43-2	Benzene	6.9	U
108-88-3	Toluene	6.9	Ū
100-41-4	Ethyl Benzene	6.9	U
126777-61-2	m/p-Xylenes	14	U
95-47-6	o-Xylene	6.9	U
98-82-8	Isopropylbenzene	230	E
103-65-1	N-propylbenzene	280	E
108-67-8	1,3,5-Trimethylbenzene	6.9	U
98-06-6	tert-Butylbenzene	6.9	U
95-63-6	1,2,4-Trimethylbenzene	6.9	U
135-98-8	Sec-butylbenzene	280	E
99-87-6	p-Isopropyltoluene	6.9	Ū
104-51-8	n-Butylbenzene	290	Е
91-20-3	Naphthalene	6.9	υ

EPA SAMPLE NO.

B-22DL

Lab Name:	Chemtech				Contract:	HRPA0	2	
Lab Code:	СНЕМ	Case No	.: 2	Z4726	SAS No.:	Z4726	SDG No.:	<u>z4726</u>
Matrix (soil/	water):	S	OIL		Lab Sample ID:	<u> 24726-0</u>	4DL	_
Sample wt/vol	: 4.0	(g/mL)	g		Lab File ID:	VH02426	59.D	
Level (low/me	d):	MED			Date Received:	9/27/08		
% Moisture: n	ot dec.	28			Date Analyzed:	10/2/08	_	
GC Column:	RTX-VMS	ID:	0.18	(mm)	Dilution Factor:	: <u>:</u>	1.0	
Soil Extract	Volume:	1000	0 (uI	1)	Soil Aliquot Vol	Lume:	100	uL)

CAS No.	Compound (ug/L or ug/K	(g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	870	Ŭ
71-43-2	Benzene	870	Ū
108-88-3	Toluene	870	U
100-41-4	Ethyl Benzene	870	Ū
126777-61-2	m&p-Xylenes	1700	Ū
95-47-6	o-Xylene	870	U
98-82-8	Isopropylbenzene	720	JD
103-65-1	n-propylbenzene	1400	D
108-67-8	1,3,5-Trimethylbenzene	870	Ū
98-06-6	tert-Butylbenzene	870	Ū
95-63-6	1,2,4-Trimethylbenzene	870	U
135-98-8	Sec-butylbenzene	2000	D
99-87-6	p-Isopropyltoluene	870	Ŭ
104-51-8	n-Butylbenzene	2900	D
91-20-3	Naphthalene	870	υ

EPA SAMPLE NO.

B-2	3	

Lab Name:	Chemtech				Contract:	HRPA02	}	
Lab Code:	CHEM	Case No	.:	Z4726	SAS No.:	Z4726	SDG No.:	<u>z4726</u>
Matrix (soil,	/water):	S	OIL		Lab Sample ID:	<u>z4726-05</u>	j	
Sample wt/vol	1: 5.0	(g/mL)	g	_	Lab File ID:	VI02191	5.D	
Level (low/me	ed):	LOW			Date Received:	9/27/08		
% Moisture: 1	not dec.	20			Date Analyzed:	10/1/08	_	
GC Column:	RTX-VMS	ID:	0.25	(mm)	Dilution Factor	: 1	.0	
Soil Extract	Volume:		(1	ıL)	Soil Aliquot Vo	lume:	(	uL)

CAS No.	Compound (ug/L or ug/Kg	) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	6.2	Ū
71-43-2	Benzene	6.2	υ
108-88-3	Toluene	6.2	υ
100-41-4	Ethyl Benzene	6.2	υ
126777-61-2	m/p-Xylenes	12	υ
95-47-6	o-Xylene	6.2	υ
98-82-8	Isopropylbenzene	300	E
103-65-1	N-propylbenzene	380	E
108-67-8	1,3,5-Trimethylbenzene	6.2	υ
98-06-6	tert-Butylbenzene	6.2	υ
95-63-6	1,2,4-Trimethylbenzene	6.2	υ
135-98-8	Sec-butylbenzene	300	E
99-87-6	p-Isopropyltoluene	6.2	υ
104-51-8	n-Butylbenzene	300	E
91-20-3	Naphthalene	6.2	υ

EPA SAMPLE NO.

B-23DL	

Lab Name: Chemte	ech	Contract:	HRPA02	
Lab Code: CHEM	Case No.: Z4	726 SAS No.:	Z4726 SDG No.:	Z4726
Matrix (soil/water):	SOIL	Lab Sample ID:	Z4726-05DL	_
Sample wt/vol: 4	.0 (g/mL) g	Lab File ID:	VH024268.D	
Level (low/med):	MED	Date Received:	9/27/08	
% Moisture: not dec	20	Date Analyzed:	10/2/08	
GC Column: RTX-V	MS ID: 0.18	(mm) Dilution Factor	: 1.0	
Soil Extract Volume:	10000 (uL)	Soil Aliquot Vo	olume: 100	(uL)

CAS No.	Compound (ug/L or ug/K	(g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	780	Ū
71-43-2	Benzene	780	υ
108-88-3	Toluene	780	υ
100-41-4	Ethyl Benzene	780	υ
126777-61-2	m&p-Xylenes	1600	υ
95-47-6	o-Xylene	780	υ
98-82-8	Isopropylbenzene	640	JD
103-65-1	n-propylbenzene	1500	D
108-67-8	1,3,5-Trimethylbenzene	780	Ū
98-06-6	tert-Butylbenzene	780	υ
95-63-6	1,2,4-Trimethylbenzene	780	υ
135-98-8	Sec-butylbenzene	1600	D
99-87-6	p-Isopropyltoluene	780	Ū
104-51-8	n-Butylbenzene	1700	D
91-20-3	Naphthalene	780	υ

EPA SAMPLE NO.

100

B-24

(uL)

Lab Name: Chemtech Contract: HRPA02 Lab Code: Z4726 SAS No.: CHEM Case No.: Z4726 SDG No.: Z4726 Lab Sample ID: Matrix (soil/water): Z4726-06 SOIL Lab File ID: 4.0 (g/mL) VH024228.D Sample wt/vol: g Level (low/med): Date Received: MED 9/27/08 % Moisture: not dec. 23 Date Analyzed: 10/1/08 GC Column: RTX-VMS ID: 0.18 Dilution Factor: (mm) 1.0

10000 (uL)

Soil Extract Volume:

#### CONCENTRATION UNITS:

Soil Aliquot Volume:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	810	Ū
71-43-2	Benzene	810	Ū
108-88-3	Toluene	810	Ū
100-41-4	Ethyl Benzene	810	Ū
126777-61-2	m&p-Xylenes	1600	Ū
95-47-6	o-Xylene	810	Ū
98-82-8	Isopropylbenzene	970	
103-65-1	n-propylbenzene	2100	
108-67-8	1,3,5-Trimethylbenzene	810	Ū
98-06-6	tert-Butylbenzene	810	Ū
95-63-6	1,2,4-Trimethylbenzene	810	Ū
135-98-8	Sec-butylbenzene	2400	
99-87-6	p-Isopropyltoluene	810	Ū
104-51-8	n-Butylbenzene	3800	
91-20-3	Naphthalene	810	υ

EPA SAMPLE NO.

B-25

Lab Name: Chemtech Contract: HRPA02 Lab Code: Z4726 SAS No.: CHEM Case No.: Z4726 SDG No.: Z4726 Lab Sample ID: Matrix (soil/water): Z4726-09 SOIL Lab File ID: 4.0 (g/mL)VH024231.D Sample wt/vol: g Level (low/med): Date Received: MED 9/27/08 % Moisture: not dec. 15 Date Analyzed: 10/1/08 GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS No.	Compound (ug/L or ug/F	(g) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	740	Ū
71-43-2	Benzene	740	υ
108-88-3	Toluene	740	υ
100-41-4	Ethyl Benzene	740	υ
126777-61-2	m&p-Xylenes	1500	υ
95-47-6	o-Xylene	740	υ
98-82-8	Isopropylbenzene	1500	
103-65-1	n-propylbenzene	3300	
108-67-8	1,3,5-Trimethylbenzene	740	υ
98-06-6	tert-Butylbenzene	740	Ŭ
95-63-6	1,2,4-Trimethylbenzene	740	υ
135-98-8	Sec-butylbenzene	3700	
99-87-6	p-Isopropyltoluene	740	υ
104-51-8	n-Butylbenzene	5900	
91-20-3	Naphthalene	740	υ

### Summary Sheet SW-846

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID Client ID:	Client ID SW-16	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4726-02	SW-16	SOIL	Isopropylbenzene	83		6.1	0.99	ug/Kg
Z4726-02	SW-16	SOIL	N-propylbenzene	98		6.1	0.96	ug/Kg
Z4726-02	SW-16	SOIL	1,2,4-Trimethylbenzene	350	Е	6.1	0.95	ug/Kg
Z4726-02	SW-16	SOIL	Sec-butylbenzene	110		6.1	1.0	ug/Kg
		-	Total VOC's:	641.00				
			-	041.00				

Total VOC's: 641.00
Total TIC's: 0.00
Total VOC's and TIC's: 641.00

## Summary Sheet SW-846

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID Client ID:	Client ID B-21DL	Matrix	Parameter	Concentration	С	RDL	MDL	Units
Z4726-03DL	B-21DL	SOIL	Sec-butylbenzene	400	JD	840	44	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	400.00 0.00 400.00				
Client ID:	B-22DL							
Z4726-04DL	B-22DL	SOIL	Isopropylbenzene	720	JD	870	64	ug/Kg
Z4726-04DL	B-22DL	SOIL	n-propylbenzene	1400	D	870	49	ug/Kg
Z4726-04DL	B-22DL	SOIL	Sec-butylbenzene	2000	D	870	45	ug/Kg
Z4726-04DL	B-22DL	SOIL	n-Butylbenzene	2900	D	870	50	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	7020.00 0.00 7020.00				
Client ID:	B-23DL							
Z4726-05DL	B-23DL	SOIL	Isopropylbenzene	640	JD	780	58	ug/Kg
Z4726-05DL	B-23DL	SOIL	n-propylbenzene	1500	D	780	44	ug/Kg
Z4726-05DL	B-23DL	SOIL	Sec-butylbenzene	1600	D	780	41	ug/Kg
Z4726-05DL	B-23DL	SOIL	n-Butylbenzene	1700	D	780	45	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	5440.00 0.00 5440.00				
Client ID:	B-24							
Z4726-06	B-24	SOIL	Isopropylbenzene	970		810	60	ug/Kg
Z4726-06	B-24	SOIL	n-propylbenzene	2100		810	45	ug/Kg
Z4726-06	B-24	SOIL	Sec-butylbenzene	2400		810	42	ug/Kg
Z4726-06	B-24	SOIL	n-Butylbenzene	3800		810	47	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	9270.00 0.00 9270.00				
Client ID:	B-25							
Z4726-09	B-25	SOIL	Isopropylbenzene	1500		740	54	ug/Kg
Z4726-09	B-25	SOIL	n-propylbenzene	3300		740	41	ug/Kg
Z4726-09	B-25	SOIL	Sec-butylbenzene	3700		740	38	ug/Kg
Z4726-09	B-25	SOIL	n-Butylbenzene	5900		740	43	ug/Kg
			Total VOC's: Total TIC's: Total VOC's and TIC's:	14400.00 0.00 14400.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

### Summary Sheet SW-846

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID Client ID:	Client ID SW-16DL	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4726-02DL	SW-16DL	SOIL	n-propylbenzene	490	JD	760	43	ug/Kg
Z4726-02DL	SW-16DL	SOIL	1,2,4-Trimethylbenzene	2800	D	760	49	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Sec-butylbenzene	1600	D	760	40	ug/Kg

Total VOC's: 4890.00
Total TIC's: 0.00
Total VOC's and TIC's: 4890.00

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

							Lim	iits
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
BSH1001M1	VLCS01	1,2-Dichloroethane-d4	50	54.87	110		54.00	142.00
		Dibromofluoromethane	50	53.81	108		54.00	141.00
		Toluene-d8	50	50.9	102		63.00	124.00
		4-Bromofluorobenzene	50	57.21	114		50.00	133.00
BSH1002M1	VLCS02	1,2-Dichloroethane-d4	50	49.52	99		54.00	142.00
		Dibromofluoromethane	50	50.87	102		54.00	141.00
		Toluene-d8	50	49.42	99		63.00	124.00
		4-Bromofluorobenzene	50	47.98	96		50.00	133.00
VBH1001M1	VBLK01	1,2-Dichloroethane-d4	50	49.07	98		54.00	142.00
		Dibromofluoromethane	50	49.06	98		54.00	141.00
		Toluene-d8	50	50.76	102		63.00	124.00
		4-Bromofluorobenzene	50	47.55	95		50.00	133.00
VBH1002M1	VBLK02	1,2-Dichloroethane-d4	50	45.12	90		54.00	142.00
		Dibromofluoromethane	50	48.75	98		54.00	141.00
		Toluene-d8	50	48.45	97		63.00	124.00
		4-Bromofluorobenzene	50	46.71	93		50.00	133.00
Z4726-02DL	SW-16DL	1,2-Dichloroethane-d4	50	55.43	111		54.00	142.00
		Dibromofluoromethane	50	53.74	107		54.00	141.00
		Toluene-d8	50	54.47	109		63.00	124.00
		4-Bromofluorobenzene	50	59.13	118		50.00	133.00
Z4726-03DL	B-21DL	1,2-Dichloroethane-d4	50	59.83	120		54.00	142.00
		Dibromofluoromethane	50	55.36	111		54.00	141.00
		Toluene-d8	50	53.28	107		63.00	124.00
		4-Bromofluorobenzene	50	58.77	118		50.00	133.00
Z4726-04DL	B-22DL	1,2-Dichloroethane-d4	50	56.68	113		54.00	142.00
		Dibromofluoromethane	50	53.47	107		54.00	141.00
		Toluene-d8	50	53.86	108		63.00	124.00
		4-Bromofluorobenzene	50	61.28	123		50.00	133.00
Z4726-05DL	B-23DL	1,2-Dichloroethane-d4	50	57.45	115		54.00	142.00
		Dibromofluoromethane	50	55.03	110		54.00	141.00
		Toluene-d8	50	53.19	106		63.00	124.00
		4-Bromofluorobenzene	50	59.39	119		50.00	133.00
Z4726-06	B-24	1,2-Dichloroethane-d4	50	62.08	124		54.00	142.00
		Dibromofluoromethane	50	54.14	108		54.00	141.00
		Toluene-d8	50	54.72	109		63.00	124.00
		4-Bromofluorobenzene	50	66.29	133		50.00	133.00
Z4726-07MS	B-24MS	1,2-Dichloroethane-d4	50	52.36	105		54.00	142.00
		Dibromofluoromethane	50	51.27	103		54.00	141.00
		Toluene-d8	50	50.75	102		63.00	124.00
		4-Bromofluorobenzene	50	53.67	107		50.00	133.00
Z4726-08MSD	B-24MSD	1,2-Dichloroethane-d4	50	56.74	113		54.00	142.00

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

							Lim	its
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4726-08MSD	B-24MSD	Dibromofluoromethane	50	50.49	101		54.00	141.00
		Toluene-d8	50	50.44	101		63.00	124.00
		4-Bromofluorobenzene	50	55.16	110		50.00	133.00
Z4726-09	B-25	1,2-Dichloroethane-d4	50	50.02	100		54.00	142.00
		Dibromofluoromethane	50	49.65	99		54.00	141.00
		Toluene-d8	50	53.19	106		63.00	124.00
		4-Bromofluorobenzene	50	58.06	116		50.00	133.00

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

I ah Camala III	Client ID	Danamatan	a	D 14	D	01	Lim	
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
BSI1001S1	VLCS01	1,2-Dichloroethane-d4	50	60.9	122		54.00	142.00
		Dibromofluoromethane	50	51.04	102		54.00	141.00
		Toluene-d8	50	55.27	111		63.00	124.00
		4-Bromofluorobenzene	50	62.74	125		50.00	133.00
BSI1002S1	VLCS02	1,2-Dichloroethane-d4	50	59.15	118		54.00	142.00
		Dibromofluoromethane	50	50.35	101		54.00	141.00
		Toluene-d8	50	52.74	105		63.00	124.00
		4-Bromofluorobenzene	50	56.96	114		50.00	133.00
VBI1001S2	VBLK01	1,2-Dichloroethane-d4	50	52.05	104		54.00	142.00
		Dibromofluoromethane	50	50.45	101		54.00	141.00
		Toluene-d8	50	50.44	101		63.00	124.00
		4-Bromofluorobenzene	50	53.17	106		50.00	133.00
VBI1002S2	VBLK02	1,2-Dichloroethane-d4	50	51.72	103		54.00	142.00
		Dibromofluoromethane	50	52.06	104		54.00	141.00
		Toluene-d8	50	54.33	109		63.00	124.00
		4-Bromofluorobenzene	50	53.83	108		50.00	133.00
Z4719-05MS	Z4719-05MS	1,2-Dichloroethane-d4	50	69.99	140		54.00	142.00
		Dibromofluoromethane	50	53.81	108		54.00	141.00
		Toluene-d8	50	57.21	114		63.00	124.00
		4-Bromofluorobenzene	50	62.48	125		50.00	133.00
Z4719-05MSD	Z4719-05MSD	1,2-Dichloroethane-d4	50	64.7	129		54.00	142.00
		Dibromofluoromethane	50	53.84	108		54.00	141.00
		Toluene-d8	50	58.1	116		63.00	124.00
		4-Bromofluorobenzene	50	60.37	121		50.00	133.00
Z4726-01	SW-15	1,2-Dichloroethane-d4	50	63.15	126		54.00	142.00
		Dibromofluoromethane	50	56.01	112		54.00	141.00
		Toluene-d8	50	50.58	101		63.00	124.00
		4-Bromofluorobenzene	50	66.36	133		50.00	133.00
Z4726-02	SW-16	1,2-Dichloroethane-d4	50	57.4	115		54.00	142.00
		Dibromofluoromethane	50	53.98	108		54.00	141.00
		Toluene-d8	50	43.4	87		63.00	124.00
		4-Bromofluorobenzene	50	33.04	66		50.00	133.00
Z4726-03	B-21	1,2-Dichloroethane-d4	50	56.89	114		54.00	142.00
		Dibromofluoromethane	50	56.35	113		54.00	141.00
		Toluene-d8	50	51.2	102		63.00	124.00
		4-Bromofluorobenzene	50	28.84	58		50.00	133.00
Z4726-04	B-22	1,2-Dichloroethane-d4	50	53.95	108		54.00	142.00
0 0.		Dibromofluoromethane	50	56.25	113		54.00	141.00
		Toluene-d8	50	26.24		*	63.00	124.00
		4-Bromofluorobenzene	50	58.87	118		50.00	133.00
Z4726-05	B-23	1,2-Dichloroethane-d4	50	47.25	95		54.00	142.00
		*		-				

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

							Lin	iits
Lab Sample ID	Client ID	Parameter	Spike	Result	Recover	y Qual	Low	High
Z4726-05	B-23	Dibromofluoromethane	50	52.1	104		54.00	141.00
		Toluene-d8	50	26.95	54	*	63.00	124.00
		4-Bromofluorobenzene	50	52.94	106		50.00	133.00

## Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: Z4726-01

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

		a	Sample		_			_	Limits	
Lab Sample ID	Parameter	Spike	Result	Result	Rec	RPD	Qual	Low	High	RPD
Client Sample ID:	B-24MS									
Z4726-07MS	Methyl tert-butyl Ether	6250	0.0	8800	141			74	149	
	Benzene	6250	0.0	7100	114			83	135	
	Toluene	6250	0.0	7000	112			79	140	
	Ethyl Benzene	6250	0.0	6900	110			82	139	
	m&p-Xylenes	12500	0.0	13000	104			81	143	
	o-Xylene	6250	0.0	6900	110			79	144	
	Isopropylbenzene	6250	970.0	7700	108			80	145	
	n-propylbenzene	6250	2100.0	8800	107			74	160	
	1,3,5-Trimethylbenzene	6250	0.0	6800	109			78	151	
	tert-Butylbenzene	6250	0.0	7800	125			75	148	
	1,2,4-Trimethylbenzene	6250	0.0	7000	112			78	148	
	Sec-butylbenzene	6250	2400.0	10000	122			81	147	
	p-Isopropyltoluene	6250	0.0	8300	133			75	151	
	n-Butylbenzene	6250	3800.0	13000	147			81	154	
	Naphthalene	6250	0.0	5600	90			64	161	
Client Sample ID:	B-24MSD									
Z4726-08MSD	Methyl tert-butyl Ether	6250	0.0	8900	142	1		74	149	20
	Benzene	6250	0.0	6400	102	11		83	135	21
	Toluene	6250	0.0	6500	104	7		79	140	21
	Ethyl Benzene	6250	0.0	6400	102	8		82	139	20
	m&p-Xylenes	12500	0.0	12000	96	8		81	143	21
	o-Xylene	6250	0.0	6400	102	8		79	144	21
	Isopropylbenzene	6250	970.0	7600	106	2		80	145	20
	n-propylbenzene	6250	2100.0	8500	102	5		74	160	20
	1,3,5-Trimethylbenzene	6250	0.0	6800	109	0		78	151	20
	tert-Butylbenzene	6250	0.0	7400	118	6		75	148	20
	1,2,4-Trimethylbenzene	6250	0.0	6700	107	5		78	148	20
	Sec-butylbenzene	6250	2400.0	10000	122	0		81	147	20
	p-Isopropyltoluene	6250	0.0	8200	131	2		75	151	20
	n-Butylbenzene	6250	3800.0	13000	147	0		81	154	20
	Naphthalene	6250	0.0	5900	94	4		64	161	20

## Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4726** 

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID:	Z4719-05MS									
Z4719-05MS	Methyl tert-butyl Ether	250	0.0	280	112			74	149	
	Benzene	250	0.0	260	104			83	135	
	Toluene	250	0.0	260	104			79	140	
	Ethyl Benzene	250	0.0	240	96			82	139	
	m/p-Xylenes	500	0.0	450	90			81	143	
	o-Xylene	250	0.0	240	96			79	144	
	Isopropylbenzene	250	0.0	250	100			80	145	
	N-propylbenzene	250	0.0	270	108			74	160	
	1,3,5-Trimethylbenzene	250	0.0	240	96			78	151	
	tert-Butylbenzene	250	0.0	230	92			75	148	
	1,2,4-Trimethylbenzene	250	0.0	240	96			78	148	
	Sec-butylbenzene	250	0.0	230	92			81	147	
	p-Isopropyltoluene	250	0.0	230	92			75	151	
	n-Butylbenzene	250	0.0	250	100			81	154	
	Naphthalene	250	0.0	210	84			64	161	
Client Sample ID:	Z4719-05MSD									
Z4719-05MSD	Methyl tert-butyl Ether	250	0.0	320	128	13		74	149	20
	Benzene	250	0.0	280	112	7		83	135	21
	Toluene	250	0.0	260	104	0		79	140	21
	Ethyl Benzene	250	0.0	250	100	4		82	139	20
	m/p-Xylenes	500	0.0	490	98	9		81	143	20
	o-Xylene	250	0.0	260	104	8		79	144	20
	Isopropylbenzene	250	0.0	250	100	0		80	145	20
	N-propylbenzene	250	0.0	270	108	0		74	160	20
	1,3,5-Trimethylbenzene	250	0.0	250	100	4		78	151	20
	tert-Butylbenzene	250	0.0	230	92	0		75	148	20
	1,2,4-Trimethylbenzene	250	0.0	240	96	0		78	148	20
	Sec-butylbenzene	250	0.0	230	92	0		81	147	20
	p-Isopropyltoluene	250	0.0	230	92	0		75	151	20
	n-Butylbenzene	250	0.0	240	96	4		81	154	20
	Naphthalene	250	0.0	220	88	5		64	161	20

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4726-01</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	Limits High	RPD
BSH1001M1	Methyl tert-butyl Ether	2000	1900	95		74	145	
	Benzene	2000	1900	95		81	118	
	Toluene	2000	1800	90		81	115	
	Ethyl Benzene	2000	1900	95		80	113	
	m&p-Xylenes	4000	3700	93		80	115	
	o-Xylene	2000	1800	90		83	115	
	Isopropylbenzene	2000	1800	90		81	118	
	n-propylbenzene	2000	1800	90		81	116	
	1,3,5-Trimethylbenzene	2000	1800	90		81	116	
	tert-Butylbenzene	2000	1900	95		73	117	
	1,2,4-Trimethylbenzene	2000	1800	90		82	114	
	Sec-butylbenzene	2000	1800	90		80	115	
	p-Isopropyltoluene	2000	1800	90		78	112	
	n-Butylbenzene	2000	1800	90		75	116	
	Naphthalene	2000	1600	80		78	122	
BSH1002M1	Methyl tert-butyl Ether	2000	2200	110		74	145	
	Benzene	2000	2100	105		81	118	
	Toluene	2000	2100	105		81	115	
	Ethyl Benzene	2000	2200	110		80	113	
	m&p-Xylenes	4000	4200	105		80	115	
	o-Xylene	2000	2200	110		83	115	
	Isopropylbenzene	2000	2100	105		81	118	
	n-propylbenzene	2000	2100	105		81	116	
	1,3,5-Trimethylbenzene	2000	2100	105		81	116	
	tert-Butylbenzene	2000	2200	110		73	117	
	1,2,4-Trimethylbenzene	2000	2100	105		82	114	
	Sec-butylbenzene	2000	2100	105		80	115	
	p-Isopropyltoluene	2000	2100	105		78	112	
	n-Butylbenzene	2000	2100	105		75	116	
	Naphthalene	2000	1900	95		78	122	

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

						Limits		
Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	High	RPD
BSI1001S1	Methyl tert-butyl Ether	20	21	105		74	145	
	Benzene	20	21	105		81	118	
	Toluene	20	21	105		81	115	
	Ethyl Benzene	20	18	90		80	113	
	m/p-Xylenes	40	39	98		80	115	
	o-Xylene	20	19	95		83	115	
	Isopropylbenzene	20	20	100		81	118	
	N-propylbenzene	20	22	110		81	116	
	1,3,5-Trimethylbenzene	20	21	105		81	116	
	tert-Butylbenzene	20	20	100		73	117	
	1,2,4-Trimethylbenzene	20	21	105		82	114	
	Sec-butylbenzene	20	21	105		80	115	
	p-Isopropyltoluene	20	21	105		78	112	
	n-Butylbenzene	20	22	110		75	116	
	Naphthalene	20	18	90		78	122	
BSI1002S1	Methyl tert-butyl Ether	20	20	100		74	145	
	Benzene	20	20	100		81	118	
	Toluene	20	20	100		81	115	
	Ethyl Benzene	20	18	90		80	113	
	m/p-Xylenes	40	37	93		80	115	
	o-Xylene	20	18	90		83	115	
	Isopropylbenzene	20	20	100		81	118	
	N-propylbenzene	20	21	105		81	116	
	1,3,5-Trimethylbenzene	20	20	100		81	116	
	tert-Butylbenzene	20	19	95		73	117	
	1,2,4-Trimethylbenzene	20	20	100		82	114	
	Sec-butylbenzene	20	20	100		80	115	
	p-Isopropyltoluene	20	20	100		78	112	
	n-Butylbenzene	20	22	110		75	116	
	Naphthalene	20	17	85		78	122	

# 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG NO.: Z4726

Lab File ID: VH024226.D Lab Sample ID: VBH1001M1

Date Analyzed: 10/1/2008 Time Analyzed: 12:57

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSH1001M1	VH024227.D	13:25
B-24	Z4726-06	VH024228.D	13:54
B-24MS	Z4726-07MS	VH024229.D	14:23
B-24MSD	Z4726-08MSD	VH024230.D	14:52
B-25	Z4726-09	VH024231.D	15:20

COMMENTS:	

Form IV VOA VOC-STARS

EPA SAMPLE NO.

Lab Name:	Chemtech			Contract:	HRPA02	2	
Lab Code:	CHEM	Case No.:	Z4726	SAS No.:	<u>z4726</u>	SDG No.:	Z4726
Matrix (soil,	/water):	SOIL		Lab Sample ID:	<u>VBH1001</u>	41	_
Sample wt/vo	1: 5.0	(g/mL) g	<u>_</u>	Lab File ID:	VH02422	6.D	
Level (low/me	ed):	MED		Date Received:			
% Moisture: 1	not dec.	0		Date Analyzed:	10/1/08	<u> </u>	
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	: 1	0	
Soil Extract	Volume:	10000 (	uL)	Soil Aliquot Vo	lume:	100 (	uL)

#### CONCENTRATION UNITS:

	001/0=1/11111101/ 01/11		
CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	500	U
71-43-2	Benzene	500	U
108-88-3	Toluene	500	U
100-41-4	Ethyl Benzene	500	U
126777-61-2	m&p-Xylenes	1000	U
95-47-6	o-Xylene	500	U
98-82-8	Isopropylbenzene	500	U
103-65-1	n-propylbenzene	500	U
108-67-8	1,3,5-Trimethylbenzene	500	U
98-06-6	tert-Butylbenzene	500	U
95-63-6	1,2,4-Trimethylbenzene	500	U
135-98-8	Sec-butylbenzene	500	U
99-87-6	p-Isopropyltoluene	500	U
104-51-8	n-Butylbenzene	500	U
91-20-3	Naphthalene	500	υ

# 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG NO.: Z4726

Lab File ID: VH024255.D Lab Sample ID: VBH1002M1

Date Analyzed: 10/2/2008 Time Analyzed: 14:43

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS02	BSH1002M1	VH024256.D	15:12
B-21DL	Z4726-03DL	VH024266.D	19:57
SW-16DL	Z4726-02DL	VH024267.D	20:25
B-23DL	Z4726-05DL	VH024268.D	20:53
B-22DL	Z4726-04DL	VH024269.D	21:22

COMMENTS:		

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK02	

Lab Name:	Chemtech			Contract:	HRPA02	2	
Lab Code:	CHEM	Case No.:	Z4726	SAS No.:	Z4726	SDG No.:	Z4726
Matrix (soil	/water):	SOIL		Lab Sample ID:	<u>VBH10021</u>	41	
Sample wt/vo	1: 5.0	(g/mL) g	_	Lab File ID:	VH02425	5.D	
Level (low/m	ed):	MED		Date Received:			
% Moisture:	not dec.	0		Date Analyzed:	10/2/08	_	
GC Column:	RTX-VMS	ID: 0.18	3 (mm)	Dilution Factor	: 1	0	
Soil Extract	Volume:	10000	uL)	Soil Aliquot Vo	lume:	100 (	uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg	) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	500	U
71-43-2	Benzene	500	υ
108-88-3	Toluene	500	U
100-41-4	Ethyl Benzene	500	U
126777-61-2	m&p-Xylenes	1000	υ
95-47-6	o-Xylene	500	U
98-82-8	Isopropylbenzene	500	U
103-65-1	n-propylbenzene	500	U
108-67-8	1,3,5-Trimethylbenzene	500	U
98-06-6	tert-Butylbenzene	500	υ
95-63-6	1,2,4-Trimethylbenzene	500	U
135-98-8	Sec-butylbenzene	500	U
99-87-6	p-Isopropyltoluene	500	U
104-51-8	n-Butylbenzene	500	U
91-20-3	Naphthalene	500	U

# 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG NO.: Z4726

Lab File ID: VI021896.D Lab Sample ID: VBI1001S2

Date Analyzed: 10/1/2008 Time Analyzed: 11:23

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSI1001S1	VI021897.D	11:48
SW-15	Z4726-01	VI021907.D	16:17
SW-16	Z4726-02	VI021909.D	17:06
B-22	Z4726-04	VI021913.D	18:46
B-23	Z4726-05	VI021915.D	19:36

COMMENTS:	

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK01	

Lab Name:	Chemtech			Contract:	HRPA0	2	
Lab Code:	СНЕМ	Case No.:	<u>z4726</u>	SAS No.:	Z4726	SDG No.:	<b>Z4726</b>
Matrix (soil,	/water):	SOIL	1	Lab Sample ID:	<u>VBI1001</u>	s2	
Sample wt/vol	l: <u>5.0</u>	(g/mL)	<u> </u>	Lab File ID:	VI02189	6.D	
Level (low/me	ed):	LOW		Date Received:			
% Moisture: r	not dec.	0		Date Analyzed:	10/1/08	_	
GC Column:	RTX-VMS	ID: 0.	25 (mm)	Dilution Factor	:1	1.0	
Soil Extract	Volume:		(uL)	Soil Aliquot Vo	lume:	(	uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	5.0	Ū
71-43-2	Benzene	5.0	Ū
108-88-3	Toluene	5.0	Ū
100-41-4	Ethyl Benzene	5.0	Ū
126777-61-2	m/p-Xylenes	10	ŭ
95-47-6	o-Xylene	5.0	Ū
98-82-8	Isopropylbenzene	5.0	Ū
103-65-1	N-propylbenzene	5.0	ŭ
108-67-8	1,3,5-Trimethylbenzene	5.0	Ū
98-06-6	tert-Butylbenzene	5.0	ŭ
95-63-6	1,2,4-Trimethylbenzene	5.0	ŭ
135-98-8	Sec-butylbenzene	5.0	Ū
99-87-6	p-Isopropyltoluene	5.0	Ū
104-51-8	n-Butylbenzene	5.0	Ū
91-20-3	Naphthalene	5.0	ū

# 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG NO.: Z4726

Lab File ID: VI021925.D Lab Sample ID: VBI1002S2

Date Analyzed: 10/2/2008 Time Analyzed: 10:50

GC Column: RTX-VMS ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOAI

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS02	BSI1002S1	VI021926.D	11:15
Z4719-05MS	Z4719-05MS	VI021930.D	12:55
Z4719-05MSD	Z4719-05MSD	VI021931.D	13:20
B-21	Z4726-03	VI021932.D	13:45

COMMENTS:		

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK02	

Lab Name:	Chemtech				Contract:	HRPA0	2	
Lab Code:	CHEM	Case No	.:	Z4726	SAS No.:	Z4726	SDG No.:	<u>z4726</u>
Matrix (soil/	/water):	S	OIL		Lab Sample ID:	VBI1002	s2	<u>-</u>
Sample wt/vol	1: <u>5.0</u>	(g/mL)	g	_	Lab File ID:	VI02192	25.D	
Level (low/me	ed):	LOW			Date Received:			
% Moisture: r	not dec.	0			Date Analyzed:	10/2/08	_	
GC Column:	RTX-VMS	ID:	0.25	(mm)	Dilution Factor	:	1.0	
Soil Extract	Volume:		(ı	ıL)	Soil Aliquot Vo	lume:	(	uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	5.0	Ū
71-43-2	Benzene	5.0	Ū
108-88-3	Toluene	5.0	Ū
100-41-4	Ethyl Benzene	5.0	Ū
126777-61-2	m/p-Xylenes	10	ŭ
95-47-6	o-Xylene	5.0	Ū
98-82-8	Isopropylbenzene	5.0	Ū
103-65-1	N-propylbenzene	5.0	ŭ
108-67-8	1,3,5-Trimethylbenzene	5.0	Ū
98-06-6	tert-Butylbenzene	5.0	Ū
95-63-6	1,2,4-Trimethylbenzene	5.0	ŭ
135-98-8	Sec-butylbenzene	5.0	Ū
99-87-6	p-Isopropyltoluene	5.0	Ū
104-51-8	n-Butylbenzene	5.0	Ū
91-20-3	Naphthalene	5.0	ū

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VH024223.D Date Analyzed: 10/1/2008

Instrument ID: MSVOAH Time Analyzed: 10:54

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	346342	3.26	641932	3.73	607029	6.93
UPPER LIMIT	692684	3.76	1283864	4.23	1214058	7.43
LOWER LIMIT	173171	2.76	320966	3.23	303515	6.43
SAMPLE NO.						
VBLK01	348120	3.26	636949	3.73	573852	6.93
VLCS01	317278	3.26	609708	3.73	598645	6.93
B-24	289765	3.26	586387	3.73	589056	6.93
B-24MS	413118	3.25	856215	3.73	784528	6.93
B-24MSD	374999	3.26	860671	3.73	820056	6.93
B-25	406228	3.25	868768	3.73	850515	6.92

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VH024223.D Date Analyzed: 10/1/2008

Instrument ID: MSVOAH Time Analyzed: 10:54

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	327046	9.70		
UPPER LIMIT	654092	10.20		
LOWER LIMIT	163523	9.20		
SAMPLE NO.				
VBLK01	296235	9.70		
VLCS01	339835	9.70		
B-24	359034	9.71		
B-24MS	403771	9.71		
B-24MSD	419170	9.70		
B-25	418444	9.70		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

 $<sup>\</sup>mbox{\tt\#}$  Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

## 8A

#### VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VH024247.D Date Analyzed: 10/2/2008

Instrument ID: MSVOAH Time Analyzed: 10:13

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	539600	3.26	1003836	3.73	956420	6.93
UPPER LIMIT	1079200	3.76	2007672	4.23	1912840	7.43
LOWER LIMIT	269800	2.76	501918	3.23	478210	6.43
SAMPLE NO.						
VBLK02	580796	3.26	1062751	3.73	935573	6.93
VLCS02	483424	3.26	940528	3.73	823394	6.92
B-21DL	325672	3.25	632125	3.72	637160	6.92
SW-16DL	458822	3.25	895543	3.73	880511	6.93
B-23DL	414355	3.25	860778	3.72	873015	6.92
B-22DL	441556	3.25	886428	3.73	908236	6.92

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VH024247.D Date Analyzed: 10/2/2008

Instrument ID: MSVOAH Time Analyzed: 10:13

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	432712	9.70		
UPPER LIMIT	865424	10.20		
LOWER LIMIT	216356	9.20		
SAMPLE NO.				
VBLK02	447890	9.70		
VLCS02	390812	9.70		
B-21DL	310741	9.70		
SW-16DL	421849	9.71		
B-23DL	417477	9.70		
B-22DL	436103	9.70		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

 $<sup>\</sup>mbox{\tt\#}$  Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VI021894.D Date Analyzed: 10/1/2008

Instrument ID: MSVOAI Time Analyzed: 10:09

GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1297062	8.23	2180192	8.81	2206925	11.70
UPPER LIMIT	2594124	8.73	4360384	9.31	4413850	12.20
LOWER LIMIT	648531	7.73	1090096	8.31	1103463	11.20
SAMPLE NO.						
VBLK01	1487143	8.23	2356693	8.81	2308693	11.71
VLCS01	1194036	8.22	1929896	8.80	2229004	11.70
SW-15	971725	8.22	1681872	8.80	1682812	11.70
SW-16	859394	8.23	1539656	8.80	995000 *	11.70
B-22	1094955	8.22	1866946	8.80	251639 *	11.70
B-23	1213339	8.23	2021166	8.81	266549 *	11.70

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VI021894.D Date Analyzed: 10/1/2008

Instrument ID: MSVOAI Time Analyzed: 10:09

GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#		
12 HOUR STD	1210806	14.01		
UPPER LIMIT	2421612	14.51		
LOWER LIMIT	605403	13.51		
SAMPLE NO.				
VBLK01	1204933	14.01		
VLCS01	1157021	14.01		
SW-15	673102	14.01		
SW-16	193226 *	14.02		
B-22	155915 *	14.02		
B-23	148774 *	14.08		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VI021923.D Date Analyzed: 10/2/2008

Instrument ID: MSVOAI Time Analyzed: 09:45

GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1327876	8.22	2205517	8.80	2163652	11.70
UPPER LIMIT	2655752	8.72	4411034	9.30	4327304	12.20
LOWER LIMIT	663938	7.72	1102759	8.30	1081826	11.20
SAMPLE NO.						
VBLK02	1425125	8.22	2268222	8.81	2288543	11.70
VLCS02	1194546	8.22	1974879	8.80	2178893	11.70
Z4719-05MS	892877	8.22	1530174	8.80	1731635	11.70
Z4719-05MSD	1028893	8.22	1732433	8.80	1901331	11.69
B-21	973788	8.22	1597082	8.80	1075603 *	11.69

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4726 SAS No.: Z4726 SDG No.: Z4726

Lab File ID: VI021923.D Date Analyzed: 10/2/2008

Instrument ID: MSVOAI Time Analyzed: 09:45

GC Column: RTX-VMS ID: 0.2 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT#		
12 HOUR STD	1138663	14.01		
UPPER LIMIT	2277326	14.51		
LOWER LIMIT	569332	13.51		
SAMPLE NO.				
VBLK02	1185457	14.01		
VLCS02	1096697	14.00		
Z4719-05MS	873289	14.00		
Z4719-05MSD	970096	14.01		
B-21	69348 *	14.00		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

EPA SAMPLE NO.

Name: <u>Chemtech Cons</u>	ulting Group	Contract: HRPA	)2	
Code: <u>CHEM</u> Ca	ase No.: Z4726 SAS	5 No.: <u>Z4726</u>	SDG No.:	Z4726
trix (soil/water):	SOIL	Lab Sample ID:	Z4726-01	
mple wt/vol: 30.1	(g/mL) g	Lab File ID:	BF023192.D	
vel: (low/med)	<del></del>	Date Received:	9/27/2008	_
Moisture: <u>17</u>	Decanted: (Y/N) N	Date Extracted:	9/30/2008	
ncentrated Extract Volume	e: <u>1000</u> (uL)	Date Analyzed:	10/3/2008	
jection Volume:	1.0	Dilution Factor:	1.0	<u></u>
C Cleanup: (Y/N)	N pH: N/A	Extraction: (Typ	e) SOXH	<del>_</del>
<del>-</del>	<del></del>	CONCENTRATION U	NITS:	
CAS NO. CO	OMPOUND	(ug/L or ug/Kg)	ug/Kg	Q
108-95-2 Ph	nenol		400	υ
	is(2-Chloroethyl)ether		400	Ū
	-Chlorophenol		400	Ū
	enzyl Alcohol		400	Ū
	-Methylphenol		400	Ū
	,2-oxybis(1-Chloropropan	e)	400	Ū
	+4-Methylphenols		400	Ū
	-Nitroso-di-n-propylamin	e	400	Ū
	exachloroethane	-	400	Ū
	itrobenzene		400	Ū
	sophorone		400	Ū
	-Nitrophenol		400	Ū
	,4-Dimethylphenol		400	Ū
-	is(2-Chloroethoxy)methan	e	400	Ū
	,4-Dichlorophenol	-	400	Ū
•	enzoic acid		400	Ū
	aphthalene		400	Ū
	-Chloroaniline		400	Ū
	exachlorobutadiene		400	Ū
	-Chloro-3-methylphenol		400	Ū
	-Methylnaphthalene		400	Ū
	exachlorocyclopentadiene		400	Ū
l l	,4,6-Trichlorophenol		400	Ū
	,4,5-Trichlorophenol		1000	Ū
	-Chloronaphthalene		400	Ū
l l	-Nitroaniline		1000	Ū
	imethylphthalate		400	Ū
	cenaphthylene		400	Ū
	,6-Dinitrotoluene		400	Ū
	-Nitroaniline		1000	Ū
	cenaphthene		190	J
	,4-Dinitrophenol		1000	Ū

EPA SAMPLE NO.

Lab Name: Chemtech Co	nsulting Group	Contract:	HRPA02		
Lab Code: CHEM	Case No.: <u>Z4726</u> S2	AS No.:	Z4726	SDG No.	: <u>Z4726</u>
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sampl	e ID: <u>Z47</u> 2	26-01	
Sample wt/vol: 30.1	. (g/mL) g	Lab File	ID: BF02	23192.D	<u></u>
Level: (low/med)	<del></del>	Date Rece	eived:	/27/2008	_
% Moisture: 17	Decanted: (Y/N) N	Date Extr	acted:	0/30/2008	_
Concentrated Extract Vol	Lume: 1000 (uL)	Date Anal	yzed:	10/3/2008	_
Injection Volume:	1.0	Dilution	Factor:	1.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type)	SOXH	
	<del></del>	CONCENTE	ATION UNITS:	-	
CAS NO.	COMPOUND	(ug/L o	r ug/Kg) ug	J/Kg	Q
100-02-7	4-Nitrophenol			1000	U
132-64-9	Dibenzofuran			400	υ
121-14-2	2,4-Dinitrotoluene			400	υ
84-66-2	Diethylphthalate			400	υ
7005-72-3	4-Chlorophenyl-phenyleth	er		400	υ
86-73-7	Fluorene			290	JВ
100-01-6	4-Nitroaniline			1000	υ
534-52-1	4,6-Dinitro-2-methylphen	ol		1000	υ
86-30-6	N-Nitrosodiphenylamine			400	υ
103-33-3	Azobenzene			400	υ
101-55-3	4-Bromophenyl-phenylethe	r		400	υ
118-74-1	Hexachlorobenzene			400	υ
87-86-5	Pentachlorophenol			1000	υ
85-01-8	Phenanthrene			520	В
120-12-7	Anthracene			140	JВ
84-74-2	Di-n-butylphthalate			400	υ
206-44-0	Fluoranthene			160	JВ
129-00-0	Pyrene			250	JВ
85-68-7	Butylbenzylphthalate			400	υ
91-94-1	3,3-Dichlorobenzidine			400	υ
56-55-3	Benzo(a)anthracene			400	υ
218-01-9	Chrysene			400	υ
117-81-7	bis(2-Ethylhexyl)phthala	te		400	υ
117-84-0	Di-n-octyl phthalate			400	υ
205-99-2	Benzo(b)fluoranthene			400	U
207-08-9	Benzo(k)fluoranthene			400	U
50-32-8	Benzo(a)pyrene			400	U
193-39-5	Indeno(1,2,3-cd)pyrene			400	U
53-70-3	Dibenz(a,h)anthracene			400	U
191-24-2	Benzo(g,h,i)perylene			400	U

EPA SAMPLE NO.

ab Name: <u>Chemtech Co</u>	onsulting Group Contract	: HRPA02	
ab Code: CHEM	Case No.: Z4726 SAS No.:	Z4726 SDG No	.: <u>Z4726</u>
atrix (soil/water):	SOIL Lab Samp	Dle ID: Z4726-02	
ample wt/vol: 30.0	) (g/mL) g Lab File	BF023197.D	
evel: (low/med)	Date Rec	eived: 9/27/2008	<del></del>
		<u> </u>	
Moisture: 18	Decanted: (Y/N) N Date Ext	racted: 9/30/2008	<u></u>
oncentrated Extract Vo	lume: 1000 (uL) Date Ana	10/3/2008	<u>3</u>
njection Volume:	1.0 Dilution	Factor: 5.0	
PC Cleanup: (Y/N)	N pH: N/A Extract:	on: (Type) SOXH	
	CONCENT	RATION UNITS:	
CAS NO.	COMPOUND (ug/L	or ug/Kg) ug/Kg	Q
108-95-2	Phenol	2000	Ū
111-44-4	bis(2-Chloroethyl)ether	2000	Ū
95-57-8	2-Chlorophenol	2000	Ū
100-51-6	Benzyl Alcohol	2000	Ū
95-48-7	2-Methylphenol	2000	Ū
108-60-1	2,2-oxybis(1-Chloropropane)	2000	Ū
106-44-5	3+4-Methylphenols	2000	Ū
621-64-7	N-Nitroso-di-n-propylamine	2000	υ
67-72-1	Hexachloroethane	2000	υ
98-95-3	Nitrobenzene	2000	Ū
78-59-1	Isophorone	2000	Ū
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	υ
111-91-1	bis(2-Chloroethoxy)methane	2000	υ
120-83-2	2,4-Dichlorophenol	2000	υ
65-85-0	Benzoic acid	2000	U
91-20-3	Naphthalene	2000	U
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
59-50-7	4-Chloro-3-methylphenol	2000	U
91-57-6	2-Methylnaphthalene	2000	Ū
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	5100	U
91-58-7	2-Chloronaphthalene	2000	Ū
88-74-4	2-Nitroaniline	5100	Ū
131-11-3	Dimethylphthalate	2000	Ū
208-96-8	Acenaphthylene	2000	Ū
606-20-2	2,6-Dinitrotoluene	2000	Ū
99-09-2	3-Nitroaniline	5100	Ū
83-32-9	Acenaphthene	3100	
51-28-5	2,4-Dinitrophenol	5100	Ū

EPA SAMPLE NO.

Lab Name: Chemtech Cons	sulting Group	Contract: HRPA	<b>102</b>	
Lab Code: CHEM C	Case No.: <u>Z4726</u> SAS	No.: <u>Z4726</u>	SDG :	No.: <u>Z4726</u>
Matrix (soil/water):	SOIL	ab Sample ID:	Z4726-02	
Sample wt/vol: 30.0	(g/mL) g I	ab File ID:	BF023197.D	)
Level: (low/med)	_ <u> </u>	Date Received:	9/27/20	008
% Moisture: 18	Decanted: (Y/N) N I	Date Extracted:	-	
	<u> </u>		-,,	
Concentrated Extract Volum		Date Analyzed:	10/3/20	008
Injection Volume:	<u> 1.0</u>	Dilution Factor	· 5.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction: (Ty	pe) SOXH	
		CONCENTRATION	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/K	g) ug/Kg	Q
100-02-7 4	4-Nitrophenol		5100	Ū
132-64-9 D	Dibenzofuran		2000	U
121-14-2 2	2,4-Dinitrotoluene		2000	U
84-66-2 D	Diethylphthalate		2000	Ū
7005-72-3 4	4-Chlorophenyl-phenylether	:	2000	Ū
	Fluorene		4800	В
100-01-6 4	4-Nitroaniline		5100	U
	4,6-Dinitro-2-methylphenol		5100	Ū
· · · · · · · · · · · · · · · · · · ·	N-Nitrosodiphenylamine		2000	Ū
· · · · · · · · · · · · · · · · · · ·	Azobenzene		2000	Ū
	4-Bromophenyl-phenylether		2000	Ū
	Hexachlorobenzene		2000	Ū
	Pentachlorophenol		5100	U
	Phenanthrene		14000	EB
	Anthracene		2100	В
	Di-n-butylphthalate		2000	Ū
-	Fluoranthene		3700	В
	Pyrene		2900	В
	Butylbenzylphthalate		2000	υ
	3,3-Dichlorobenzidine		2000	υ
	Benzo(a)anthracene		1200	JB
	Chrysene		1300	JB
	ois(2-Ethylhexyl)phthalate		2000	Ū
		;   		
	Di-n-octyl phthalate		2000	Ŭ
	Benzo(b)fluoranthene		1400	J
	Benzo(k)fluoranthene		540	J -
	Benzo(a)pyrene		1000	J -
	Indeno(1,2,3-cd)pyrene		640	J
<u> </u>	Dibenz(a,h)anthracene		2000	υ
191-24-2 B	Benzo(g,h,i)perylene		650	J

EPA SAMPLE NO.

SW-16DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4726 SAS No.: Z4726 SDG No.: Z4726 Matrix (soil/water): SOIL Lab Sample ID: Z4726-02DL Sample wt/vol: 30.0 (g/mL) Lab File ID: BF023291.D g Level: (low/med) Date Received: 9/27/2008 % Moisture: 18 Decanted: (Y/N) N Date Extracted: 9/30/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 10/6/2008 Injection Volume: 1.0 Dilution Factor: 10.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 4000 UD 111-44-4 bis(2-Chloroethyl)ether 4000 UD 95-57-8 2-Chlorophenol 4000 UD 100-51-6 Benzyl Alcohol 4000 UD 4000 95-48-7 2-Methylphenol UD 108-60-1 2,2-oxybis(1-Chloropropane) 4000 UD 106-44-5 3+4-Methylphenols 4000 UD 621-64-7 N-Nitroso-di-n-propylamine 4000 UD 67-72-1 Hexachloroethane 4000 UD 98-95-3 Nitrobenzene 4000 UD 78-59-1 Isophorone 4000 UD 88-75-5 4000 UD 2-Nitrophenol IJD 105-67-9 2,4-Dimethylphenol 4000 111-91-1 bis(2-Chloroethoxy)methane 4000 UD 120-83-2 4000 UD 2,4-Dichlorophenol 65-85-0 Benzoic acid 4000 UD 91-20-3 Naphthalene 4000 UD 106-47-8 4-Chloroaniline 4000 UD 87-68-3 Hexachlorobutadiene 4000 UD 59-50-7 4000 4-Chloro-3-methylphenol TID 91-57-6 2-Methylnaphthalene 4000 UD 77-47-4 Hexachlorocyclopentadiene 4000 UD 88-06-2 2,4,6-Trichlorophenol 4000 UD 95-95-4 10000 2,4,5-Trichlorophenol UD 91-58-7 2-Chloronaphthalene 4000 UD 88-74-4 10000 UD 2-Nitroaniline 131-11-3 4000 UD Dimethylphthalate 208-96-8 Acenaphthylene 4000 UD 606-20-2 2,6-Dinitrotoluene 4000 UD 99-09-2 3-Nitroaniline 10000 UD 83-32-9 2900 Acenaphthene JD 51-28-5 2,4-Dinitrophenol 10000 UD

EPA SAMPLE NO.

SW-16DL

Lab Name: Chemtech Cor	nsulting Group	Contract:	HRPA02		
Lab Code: CHEM	Case No.: <u>Z4726</u> SA	As No.: Z	4726	SDG No.:	<u>z4726</u>
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sample	ID: Z4726	5-02DL	
Sample wt/vol: 30.0	(g/mL) g	Lab File I	D: BF023	3291.D	
Level: (low/med)	<u> </u>	Date Recei	.ved: 9,	/27/2008	<del>-</del>
% Moisture: 18	Decanted: (Y/N) N	Date Extra	cted: 9	/30/2008	
Concentrated Extract Vol	ume: 1000 (uL)	Date Analy	zed: 10	0/6/2008	
Injection Volume:	1.0	Dilution F	actor:	10.0	_
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	: (Type)	SOXH	
		CONCENTRA	TION UNITS:		_
CAS NO.	COMPOUND	(ug/L or	ug/Kg) ug/	'Kg	Q
100-02-7	4-Nitrophenol		10	0000	UD
132-64-9	Dibenzofuran		4	1000	UD
121-14-2	2,4-Dinitrotoluene		4	1000	UD
84-66-2	Diethylphthalate		4	1000	UD
7005-72-3	4-Chlorophenyl-phenylethe	er	4	1000	UD
86-73-7	Fluorene	Ì	į.	5100	BD
100-01-6	4-Nitroaniline	i	10	0000	UD
534-52-1	4,6-Dinitro-2-methylphene	ol	10	0000	UD
86-30-6	N-Nitrosodiphenylamine	İ	4	1000	UD
103-33-3	Azobenzene	i	4	1000	UD
101-55-3	4-Bromophenyl-phenylether	r	4	1000	UD
118-74-1	Hexachlorobenzene		4	1000	UD
87-86-5	Pentachlorophenol		10	0000	UD
85-01-8	Phenanthrene		16	5000	BD
120-12-7	Anthracene	İ	1	100	JBD
84-74-2	Di-n-butylphthalate	İ	4	1000	UD
206-44-0	Fluoranthene	İ	3	3700	JBD
129-00-0	Pyrene	İ	3	3600	JBD
85-68-7	Butylbenzylphthalate	i	4	1000	UD
91-94-1	3,3-Dichlorobenzidine	Ì	4	1000	UD
	Benzo(a)anthracene	i			JBD
-	Chrysene	i	1	L300	JBD
117-81-7	bis(2-Ethylhexyl)phthala	te	4	1000	UD
	Di-n-octyl phthalate		4	1000	UD
205-99-2	Benzo(b)fluoranthene	İ		L400	JD
	Benzo(k)fluoranthene	İ		640	JD
	Benzo(a)pyrene	İ		930	JD
193-39-5	Indeno(1,2,3-cd)pyrene	j		540	JD
53-70-3	Dibenz(a,h)anthracene	İ	4	1000	UD
191-24-2	Benzo(g,h,i)perylene			640	JD

EPA SAMPLE NO.

b Code: CHEM	Case No.: Z4726 SAS No	.: Z4726	SDG No	.: Z4726
trix (soil/water):	SOIL Lab	Sample ID:	Z4726-03	
mple wt/vol: 30.		File ID:	BF023196.D	
vel: (low/med)	<u> </u>	e Received:		<del></del>
			27217200	
Moisture: 26		e Extracted	9/30/200	<u> </u>
ncentrated Extract Vo	olume: 1000 (uL) Dat	e Analyzed:	10/3/200	<u>B</u>
jection Volume:		ution Facto	r: <u>1.0</u>	
C Cleanup: (Y/N)	N pH: N/A Ext	raction: (T	ype) SOXH	
		NCENTRATION	UNITS:	
CAS NO.	COMPOUND (1	g/L or ug/l	Kg) ug/Kg	Q
108-95-2	Phenol		440	U
111-44-4	bis(2-Chloroethyl)ether		440	U
95-57-8	2-Chlorophenol		440	U
100-51-6	Benzyl Alcohol		440	U
95-48-7	2-Methylphenol		440	U
108-60-1	2,2-oxybis(1-Chloropropane)		440	U
106-44-5	3+4-Methylphenols		440	υ
621-64-7	N-Nitroso-di-n-propylamine		440	Ŭ
67-72-1	Hexachloroethane		440	Ū
98-95-3	Nitrobenzene		440	Ū
78-59-1	Isophorone		440	Ŭ
88-75-5	2-Nitrophenol		440	Ŭ
105-67-9	2,4-Dimethylphenol		440	Ŭ 
111-91-1	bis(2-Chloroethoxy)methane		440	<u>U</u>
120-83-2	2,4-Dichlorophenol		440	<u>U</u>
65-85-0	Benzoic acid		440	U
91-20-3 106-47-8	Naphthalene 4-Chloroaniline		440	U U
87-68-3	Hexachlorobutadiene		440	ū
59-50-7	4-Chloro-3-methylphenol		440	U
91-57-6	2-Methylnaphthalene		440	Ū
77-47-4	Hexachlorocyclopentadiene		440	Ū
88-06-2	2,4,6-Trichlorophenol		440	Ū
95-95-4	2,4,5-Trichlorophenol		1100	Ū
91-58-7	2-Chloronaphthalene		440	Ū
88-74-4	2-Nitroaniline		1100	U
131-11-3	Dimethylphthalate		440	U
208-96-8	Acenaphthylene		440	U
606-20-2	2,6-Dinitrotoluene		440	U
99-09-2	3-Nitroaniline		1100	U
83-32-9	Acenaphthene		420	J
51-28-5	2,4-Dinitrophenol		1100	υ

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract: HRPAC	2	
Lab Code: CHEM	Case No.: Z4726 SA	S No.: Z4726	SDG No.	Z4726
Matrix (soil/water):	SOIL	Lab Sample ID:	<b>Z472</b> 6-03	
Sample wt/vol: 30.1	L (g/mL) g	Lab File ID:	BF023196.D	
Level: (low/med)	<del></del>	Date Received:	9/27/2008	_
% Moisture: 26	Decanted: (Y/N) N	Date Extracted:	9/30/2008	-
Concentrated Extract Vol	<del>_</del>	Date Analyzed:	10/3/2008	-
Injection Volume:		Dilution Factor:		-
-				_
GPC Cleanup: (Y/N)	N pH: N/A	Extraction: (Type CONCENTRATION U		
CAS NO.	COMPOUND	(ug/L or ug/Kg)		Q
100-02-7	4 Nitmonhonol	1		
132-64-9	4-Nitrophenol Dibenzofuran	<u> </u>	1100 440	Ŭ
121-14-2	2,4-Dinitrotoluene	+	440	U U
84-66-2	Diethylphthalate		440	υ
7005-72-3	4-Chlorophenyl-phenylethe	~	440	υ
86-73-7	Fluorene	<u> </u>	620	В
100-01-6	4-Nitroaniline		1100	υ
534-52-1	4,6-Dinitro-2-methylpheno	1	1100	υ
86-30-6	N-Nitrosodiphenylamine	<u> </u>	440	υ
103-33-3	Azobenzene		440	U
101-55-3	4-Bromophenyl-phenylether		440	U
118-74-1	Hexachlorobenzene	i	440	U
87-86-5	Pentachlorophenol		1100	Ū
85-01-8	Phenanthrene		1100	В
120-12-7	Anthracene		150	JB
84-74-2	Di-n-butylphthalate		440	U
206-44-0	Fluoranthene		180	JB
129-00-0	Pyrene		250	JВ
85-68-7	Butylbenzylphthalate		440	υ
91-94-1	3,3-Dichlorobenzidine		440	υ
56-55-3	Benzo(a)anthracene		58	JВ
218-01-9	Chrysene		67	JB
117-81-7	bis(2-Ethylhexyl)phthalat	е	440	U
117-84-0	Di-n-octyl phthalate		440	U
205-99-2	Benzo(b)fluoranthene		68	J
207-08-9	Benzo(k)fluoranthene		440	ΰ
50-32-8	Benzo(a)pyrene		440	υ
193-39-5	<pre>Indeno(1,2,3-cd)pyrene</pre>		440	υ
53-70-3	Dibenz(a,h)anthracene		440	υ
191-24-2	Benzo(g,h,i)perylene		440	ΰ

EPA SAMPLE NO.

b Code: CHEM	Case No.: Z4726 SA	S No.:	Z4726	SDG No	.: Z4726
trix (soil/water):		Lab Sampl		Z4726-04	21720
mple wt/vol: 30.		Lab File		BF023184.D	
	1 (g/mL) <u>g</u>				
vel: (low/med)		Date Rece	eived:	9/27/200	8
Moisture: 28	Decanted: (Y/N) N	Date Extr	acted:	9/30/200	8
ncentrated Extract V	olume: 1000 (uL)	Date Anal	yzed:	10/2/200	8
jection Volume:	1.0	Dilution	Factor:	1.0	
C Cleanup: (Y/N)	N pH: N/A	Extractio	n: (Type	⇒) SOXH	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		CONCENTR		-	
CAS NO.	COMPOUND		r ug/Kg)		Q
108-95-2	Phenol			460	U
111-44-4	bis(2-Chloroethyl)ether			460	Ū
95-57-8	2-Chlorophenol			460	U
100-51-6	Benzyl Alcohol			460	U
95-48-7	2-Methylphenol			460	υ
108-60-1	2,2-oxybis(1-Chloropropan	ie)		460	υ
106-44-5	3+4-Methylphenols	İ		460	υ
621-64-7	N-Nitroso-di-n-propylamin	ie		460	υ
67-72-1	Hexachloroethane			460	υ
98-95-3	Nitrobenzene			460	υ
78-59-1	Isophorone			460	υ
88-75-5	2-Nitrophenol			460	υ
105-67-9	2,4-Dimethylphenol			460	υ
111-91-1	bis(2-Chloroethoxy)methan	ıe		460	υ
120-83-2	2,4-Dichlorophenol			460	υ
65-85-0	Benzoic acid			460	υ
91-20-3	Naphthalene			460	υ
106-47-8	4-Chloroaniline			460	υ
87-68-3	Hexachlorobutadiene			460	υ
59-50-7	4-Chloro-3-methylphenol			460	υ
91-57-6	2-Methylnaphthalene			460	υ
77-47-4	Hexachlorocyclopentadiene	:		460	υ
88-06-2	2,4,6-Trichlorophenol			460	υ
95-95-4	2,4,5-Trichlorophenol			1100	Ŭ
91-58-7	2-Chloronaphthalene			460	υ
88-74-4	2-Nitroaniline			1100	Ŭ
131-11-3	Dimethylphthalate			460	υ
208-96-8	Acenaphthylene			460	υ
606-20-2	2,6-Dinitrotoluene			460	υ
99-09-2	3-Nitroaniline			1100	U
83-32-9	Acenaphthene	ļ		2200	
51-28-5	2,4-Dinitrophenol			1100	U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract:	HRPA02		
Lab Code: CHEM	Case No.: Z4726 SA	AS No.:	Z4726	SDG 1	No.: Z4726
Matrix (soil/water):	SOIL	Lab Sampl	e ID: Z	4726-04	
Sample wt/vol: 30.1	L (g/mL) g	Lab File	ID: B	F023184.D	)
Level: (low/med)	<u> </u>	Date Rece	eived:	9/27/20	08
% Moisture: 28	Decanted: (Y/N) N	Date Extr	acted:	9/30/20	008
Concentrated Extract Vo	lume: 1000 (uL)	Date Anal	yzed:	10/2/20	008
Injection Volume:	1.0	Dilution	Factor:	1.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	n. (Type)	SOXH	
Gre Creamap. (1/N)	N pii. N/A		RATION UNI		
CAS NO.	COMPOUND		r ug/Kg)	ug/Kg	Q
100-02-7	4 Nitmonhonol			1100	
132-64-9	4-Nitrophenol Dibenzofuran			460	<u> </u>
121-14-2	2,4-Dinitrotoluene			460	U
84-66-2	Diethylphthalate			460	U
7005-72-3	4-Chlorophenyl-phenylethe	~~		460	U
86-73-7	Fluorene	=r		3200	EB
100-01-6	4-Nitroaniline			1100	U
534-52-1	4,6-Dinitro-2-methylpheno	~1		1100	U
86-30-6	N-Nitrosodiphenylamine	J1		460	U
103-33-3	Azobenzene			460	Ū
101-55-3	4-Bromophenyl-phenylether	r		460	Ū
118-74-1	Hexachlorobenzene	L		460	Ū
87-86-5	Pentachlorophenol			1100	U
85-01-8	Phenanthrene			7200	EB
120-12-7	Anthracene			640	В
84-74-2	Di-n-butylphthalate			460	U
206-44-0	Fluoranthene			570	В
129-00-0	Pyrene			580	В
85-68-7	Butylbenzylphthalate			460	Ū
91-94-1	3,3-Dichlorobenzidine			460	Ū
56-55-3	Benzo(a)anthracene			60	JВ
218-01-9	Chrysene			71	JB
117-81-7	bis(2-Ethylhexyl)phthalat	te		460	Ü
117-84-0	Di-n-octyl phthalate			460	Ū
205-99-2	Benzo(b)fluoranthene			48	J
207-08-9	Benzo(k)fluoranthene			460	Ü
50-32-8	Benzo(a)pyrene			460	Ü
193-39-5	Indeno(1,2,3-cd)pyrene			460	Ū
53-70-3	Dibenz(a,h)anthracene			460	Ū
191-24-2	Benzo(g,h,i)perylene			460	Ū
L					

EPA SAMPLE NO.

B-22DL

Lab Name: Chemtech Co	onsulting Group Contract	: HRPA02
Lab Code: CHEM	Case No.: Z4726 SAS No.:	Z4726 SDG No.: Z4726
Matrix (soil/water):	SOIL Lab Samp	le ID: Z4726-04DL
Sample wt/vol: 30.1	L (g/mL) g Lab File	BF023289.D
Level: (low/med)	Date Rec	eived: 9/27/2008
% Moisture: 28	Decanted: (Y/N) N Date Ext	racted: 9/30/2008
Concentrated Extract Vol		<del>_ ` _ ` </del>
Injection Volume:		
GPC Cleanup: (Y/N)		on: (Type) SOXH
CAS NO.		TRATION UNITS:
	<u> </u>	or ug/Kg) ug/Kg Q
108-95-2	Phenol	2300 UD
111-44-4	bis(2-Chloroethyl)ether	2300 UD
95-57-8	2-Chlorophenol	2300 UD
100-51-6	Benzyl Alcohol	2300 UD
95-48-7	2-Methylphenol	2300 UD
108-60-1	2,2-oxybis(1-Chloropropane)	2300 UD
106-44-5	3+4-Methylphenols	2300 UD
621-64-7	N-Nitroso-di-n-propylamine	2300 UD
67-72-1	Hexachloroethane	2300 UD
98-95-3	Nitrobenzene	2300 UD
78-59-1	Isophorone	2300 UD
88-75-5	2-Nitrophenol	2300 UD
105-67-9	2,4-Dimethylphenol	2300 UD
111-91-1	bis(2-Chloroethoxy)methane	2300 UD
120-83-2	2,4-Dichlorophenol	2300 UD
65-85-0	Benzoic acid	2300 UD
91-20-3	Naphthalene	2300 UD
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	<del> </del>
		2300 UD
59-50-7	4-Chloro-3-methylphenol	2300 UD
91-57-6	2-Methylnaphthalene	2300 UD
77-47-4	Hexachlorocyclopentadiene	2300 UD
88-06-2	2,4,6-Trichlorophenol	2300 UD
95-95-4	2,4,5-Trichlorophenol	5700 UD
91-58-7	2-Chloronaphthalene	2300 UD
88-74-4	2-Nitroaniline	5700 UD
131-11-3	Dimethylphthalate	2300 UD
208-96-8	Acenaphthylene	2300 UD
606-20-2	2,6-Dinitrotoluene	2300 UD
99-09-2	3-Nitroaniline	5700 UD
83-32-9	Acenaphthene	2100 JD
51-28-5	2,4-Dinitrophenol	5700 UD
	<u>-</u>	-

EPA SAMPLE NO.

B-22DL

Lab Name: Chemtech Co	onsulting Group	Contract:	HRPA02		
Lab Code: CHEM	Case No.: <u>Z4726</u> S	AS No.:	Z4726	SDG No	.: <u>z4726</u>
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sampl	.e ID: <u>Z47</u>	726-04DL	
Sample wt/vol: 30.1	. (g/mL) g	Lab File	ID: BF(	23289.D	<u></u>
Level: (low/med)		Date Rece	eived:	9/27/2008	8_
% Moisture: 28	Decanted: (Y/N) N	Date Extr	acted:	9/30/2008	8
Concentrated Extract Vol	lume: 1000 (uL)	Date Anal	yzed:	10/6/2008	8
Injection Volume:	1.0	Dilution	Factor:	5.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type)	SOXH	
	<del></del>	CONCENTE	RATION UNITS	3:	
CAS NO.	COMPOUND	(ug/L o	r ug/Kg) <u>u</u>	ıg/Kg	Q
100-02-7	4-Nitrophenol			5700	UD
132-64-9	Dibenzofuran			2300	UD
121-14-2	2,4-Dinitrotoluene			2300	UD
84-66-2	Diethylphthalate			2300	UD
7005-72-3	4-Chlorophenyl-phenyleth	er		2300	UD
86-73-7	Fluorene			3600	BD
100-01-6	4-Nitroaniline			5700	UD
534-52-1	4,6-Dinitro-2-methylphen	ol		5700	UD
86-30-6	N-Nitrosodiphenylamine			2300	UD
103-33-3	Azobenzene			2300	UD
101-55-3	4-Bromophenyl-phenylethe	r		2300	UD
118-74-1	Hexachlorobenzene			2300	UD
87-86-5	Pentachlorophenol			5700	UD
85-01-8	Phenanthrene			8700	BD
120-12-7	Anthracene			500	JBD
84-74-2	Di-n-butylphthalate			2300	UD
206-44-0	Fluoranthene			490	JBD
129-00-0	Pyrene			620	JBD
85-68-7	Butylbenzylphthalate			2300	UD
91-94-1	3,3-Dichlorobenzidine			2300	UD
56-55-3	Benzo(a)anthracene			2300	UD
218-01-9	Chrysene			2300	UD
117-81-7	bis(2-Ethylhexyl)phthala	te		2300	UD
117-84-0	Di-n-octyl phthalate			2300	UD
205-99-2	Benzo(b)fluoranthene			2300	UD
207-08-9	Benzo(k)fluoranthene			2300	UD
50-32-8	Benzo(a)pyrene			2300	UD
193-39-5	Indeno(1,2,3-cd)pyrene			2300	UD
53-70-3	Dibenz(a,h)anthracene			2300	UD
191-24-2	Benzo(g,h,i)perylene			2300	UD

EPA SAMPLE NO.

b Code: CHEM	Case No.: Z4726 SA	S No.: Z	4726	SDG No.:	Z4726
trix (soil/water):		Lab Sample			
mple wt/vol: 30.		Lab File I		288.D	
vel: (low/med)	<del>_</del>	Date Recei	ved: 9/	27/2008	=
Moisture: 20	Decanted: (Y/N) N	Date Extra	cted: 9/	30/2008	
ncentrated Extract Vo	Dlume: 1000 (uL)	Date Analy	zed: 10	/6/2008	
jection Volume:	1.0	Dilution F	actor: 1	.0.0	
C Cleanup: (Y/N)	N pH: N/A	Extraction	: (Type)	SOXH	-
	<del></del>	CONCENTRA	TION UNITS:		
CAS NO.	COMPOUND	(ug/L or	ug/Kg) ug/	Kg	Q
108-95-2	Phenol		4	100	U
111-44-4	bis(2-Chloroethyl)ether			100	Ū
95-57-8	2-Chlorophenol			100	Ū
100-51-6	Benzyl Alcohol			100	Ū
95-48-7	2-Methylphenol			100	Ū
108-60-1	2,2-oxybis(1-Chloropropan	ıe)		100	Ū
106-44-5	3+4-Methylphenols			100	Ū
621-64-7	N-Nitroso-di-n-propylamin	ıe .		100	Ū
67-72-1	Hexachloroethane		4	100	U
98-95-3	Nitrobenzene		4	100	U
78-59-1	Isophorone		4	100	U
88-75-5	2-Nitrophenol		4	100	U
105-67-9	2,4-Dimethylphenol		4	100	U
111-91-1	bis(2-Chloroethoxy)methan	ne	4	100	Ū
120-83-2	2,4-Dichlorophenol		4	100	Ū
65-85-0	Benzoic acid		4	100	U
91-20-3	Naphthalene			100	Ū
106-47-8	4-Chloroaniline		4	100	U
87-68-3	Hexachlorobutadiene		4	100	U
59-50-7	4-Chloro-3-methylphenol			100	U
91-57-6	2-Methylnaphthalene		4	100	U
77-47-4	Hexachlorocyclopentadiene	<u> </u>		100	U
88-06-2	2,4,6-Trichlorophenol			100	Ū
95-95-4	2,4,5-Trichlorophenol			000	Ū
91-58-7	2-Chloronaphthalene			100	Ū
88-74-4	2-Nitroaniline			000	Ū
131-11-3	Dimethylphthalate			100	Ū
208-96-8	Acenaphthylene			100	Ū
606-20-2	2,6-Dinitrotoluene			100	Ū
99-09-2	3-Nitroaniline			000	Ū
83-32-9	Acenaphthene			400	
51-28-5	2,4-Dinitrophenol			000	υ

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract:	HRPA02		
Lab Code: CHEM	Case No.: Z4726 SA	AS No.: Z	4726	SDG No	.: Z4726
Matrix (soil/water):	SOIL	Lab Sample	e ID: Z4	<del>1</del> 726-05	
Sample wt/vol: 30.0	) (g/mL) g	Lab File 1	ID: BI	7023288.D	
Level: (low/med)	_	Date Recei	ived:	9/27/2008	<del></del> 8
% Moisture: 20	Decanted: (Y/N) N	Date Extra	acted:	9/30/2008	<del></del> 8
Concentrated Extract Vo	lume: 1000 (uL)	Date Analy	yzed:	10/6/2008	<del></del> 8
Injection Volume:	1.0	Dilution E	Factor:	10.0	<del>_</del>
GPC Cleanup: (Y/N)	N pH: N/A	Extraction			
Grc Cleanup. (1/N)	N Ph. N/A		ATION UNI		
CAS NO.	COMPOUND	(ug/L or		ug/Kg	Q
100-02-7	4-Nitrophenol			10000	Ū
132-64-9	Dibenzofuran			4100	U
121-14-2	2,4-Dinitrotoluene			4100	U
84-66-2	Diethylphthalate			4100	U
7005-72-3	4-Chlorophenyl-phenylethe	er		4100	Ū
86-73-7	Fluorene			6800	В
100-01-6	4-Nitroaniline			10000	Ū
534-52-1	4,6-Dinitro-2-methylpheno	51		10000	Ū
86-30-6	N-Nitrosodiphenylamine			4100	Ū
103-33-3	Azobenzene			4100	υ
101-55-3	4-Bromophenyl-phenylether	r		4100	υ
118-74-1	Hexachlorobenzene			4100	υ
87-86-5	Pentachlorophenol			10000	υ
85-01-8	Phenanthrene			18000	В
120-12-7	Anthracene			920	JB
84-74-2	Di-n-butylphthalate			4100	Ū
206-44-0	Fluoranthene			1100	JB
129-00-0	Pyrene			1500	JB
85-68-7	Butylbenzylphthalate			4100	U
91-94-1	3,3-Dichlorobenzidine			4100	U
56-55-3	Benzo(a)anthracene			4100	U
218-01-9	Chrysene			4100	U
117-81-7	bis(2-Ethylhexyl)phthalat	te		4100	υ
117-84-0	Di-n-octyl phthalate			4100	U
205-99-2	Benzo(b)fluoranthene			4100	U
207-08-9	Benzo(k)fluoranthene			4100	U
50-32-8	Benzo(a)pyrene			4100	υ
193-39-5	<pre>Indeno(1,2,3-cd)pyrene</pre>			4100	υ
53-70-3	Dibenz(a,h)anthracene			4100	Ŭ
191-24-2	Benzo(g,h,i)perylene			4100	U

EPA SAMPLE NO.

ab Name: <u>Chemtech C</u>	onsulting Group Contrac	t: HRPA02	
ab Code: CHEM	Case No.: Z4726 SAS No.:	Z4726 SDG No	.: <u>Z4726</u>
atrix (soil/water):	SOIL Lab Sam	ple ID: Z4726-06	
ample wt/vol: 30.	0 (g/mL) g Lab Fil	e ID: BF023191.D	
evel: (low/med)		ceived: 9/27/200	<del></del> 8
Moisture: 23	Decanted: (Y/N) N Date Ex	tracted: 9/30/200	
<u>=-</u>			
oncentrated Extract Vo	olume: 1000 (uL) Date An	alyzed: 10/3/200	<u>8</u>
njection Volume:	1.0 Dilutio	n Factor: 1.0	
PC Cleanup: (Y/N)	N pH: N/A Extract	ion: (Type) SOXH	
	CONCEN	TRATION UNITS:	
CAS NO.	COMPOUND (ug/L	or ug/Kg) ug/Kg	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
100-51-6	Benzyl Alcohol	430	υ
95-48-7	2-Methylphenol	430	U
108-60-1	2,2-oxybis(1-Chloropropane)	430	U
106-44-5	3+4-Methylphenols	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	Ū
67-72-1	Hexachloroethane	430	Ū
98-95-3	Nitrobenzene	430	Ū
78-59-1	Isophorone	430	Ū
	-		
88-75-5	2-Nitrophenol	430	Ŭ
105-67-9	2,4-Dimethylphenol	430	<u>U</u>
111-91-1	bis(2-Chloroethoxy)methane	430	Ŭ
120-83-2	2,4-Dichlorophenol	430	Ŭ
65-85-0	Benzoic acid	430	Ŭ
91-20-3	Naphthalene	430	Ŭ
106-47-8	4-Chloroaniline	430	Ŭ
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	υ
91-57-6	2-Methylnaphthalene	430	υ
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	430	Ū
88-74-4	2-Nitroaniline	1100	υ
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	Ū
606-20-2	2,6-Dinitrotoluene	430	Ū
99-09-2	3-Nitroaniline	1100	Ū
83-32-9	Acenaphthene	1600	
51-28-5	2,4-Dinitrophenol		
21-20-2	Z, 4-DINICLOPHENOI	1100	Ŭ

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Co	ontract: HRPA0	2	
Lab Code: CHEM	Case No.: Z4726 SAS	No.: Z4726	SDG No.:	Z4726
Matrix (soil/water):	SOIL La	b Sample ID:	Z4726-06	
Sample wt/vol: 30.0	) (g/mL) g La	b File ID:	BF023191.D	
Level: (low/med)		te Received:	9/27/2008	_
% Moisture: 23	Decanted: (Y/N) N Da	te Extracted:	9/30/2008	•
Concentrated Extract Vol	 lume: 1000 (uL) Da	te Analyzed:	10/3/2008	•
Injection Volume:	 1.0 Di	lution Factor:	1.0	
GPC Cleanup: (Y/N)		traction: (Type		_
Grc Cleanup. (1/N)	<del></del>	CONCENTRATION UN		<u> </u>
CAS NO.		(ug/L or ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol		1100	Ū
132-64-9	Dibenzofuran		430	Ū
121-14-2	2,4-Dinitrotoluene		430	U
84-66-2	Diethylphthalate		430	υ
7005-72-3	4-Chlorophenyl-phenylether		430	υ
86-73-7	Fluorene		2500	В
100-01-6	4-Nitroaniline		1100	U
534-52-1	4,6-Dinitro-2-methylphenol		1100	U
86-30-6	N-Nitrosodiphenylamine		430	U
103-33-3	Azobenzene		430	U
101-55-3	4-Bromophenyl-phenylether		430	U
118-74-1	Hexachlorobenzene		430	υ
87-86-5	Pentachlorophenol		1100	υ
85-01-8	Phenanthrene		5600	EB
120-12-7	Anthracene		510	В
84-74-2	Di-n-butylphthalate		430	U
206-44-0	Fluoranthene		650	В
129-00-0	Pyrene		600	В
85-68-7	Butylbenzylphthalate		430	U
91-94-1	3,3-Dichlorobenzidine		430	U
56-55-3	Benzo(a)anthracene		87	JB
218-01-9	Chrysene		100	JB
117-81-7	bis(2-Ethylhexyl)phthalate		430	U
117-84-0	Di-n-octyl phthalate		430	υ
205-99-2	Benzo(b)fluoranthene		75	J
207-08-9	Benzo(k)fluoranthene		430	U
50-32-8	Benzo(a)pyrene		430	U
193-39-5	Indeno(1,2,3-cd)pyrene		430	U
53-70-3	Dibenz(a,h)anthracene		430	Ū
191-24-2	Benzo(g,h,i)perylene		430	Ŭ

EPA SAMPLE NO.

B-24DL

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: CHEM Z4726 SAS No.: Z4726 SDG No.: Z4726 Matrix (soil/water): SOIL Lab Sample ID: Z4726-06DL Sample wt/vol: 30.0 (g/mL) Lab File ID: BF023290.D g Level: (low/med) Date Received: 9/27/2008 % Moisture: 23 Decanted: (Y/N) N Date Extracted: 9/30/2008 (uL) 10/6/2008 Concentrated Extract Volume: 1000 Date Analyzed: Injection Volume: 1.0 Dilution Factor: 5.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 2100 UD 111-44-4 bis(2-Chloroethyl)ether 2100 UD 95-57-8 2-Chlorophenol 2100 UD 100-51-6 Benzyl Alcohol 2100 UD 2100 95-48-7 2-Methylphenol UD 108-60-1 2,2-oxybis(1-Chloropropane) 2100 UD 106-44-5 3+4-Methylphenols 2100 UD 621-64-7 N-Nitroso-di-n-propylamine 2100 UD 67-72-1 Hexachloroethane 2100 UD 98-95-3 Nitrobenzene 2100 UD 78-59-1 Isophorone 2100 UD 88-75-5 2100 UD 2-Nitrophenol IJD 105-67-9 2,4-Dimethylphenol 2100 111-91-1 bis(2-Chloroethoxy)methane 2100 UD 120-83-2 2100 UD 2,4-Dichlorophenol 65-85-0 Benzoic acid 2100 UD 91-20-3 Naphthalene 2100 UD 106-47-8 4-Chloroaniline 2100 UD 87-68-3 Hexachlorobutadiene 2100 UD 59-50-7 2100 4-Chloro-3-methylphenol TID 91-57-6 2-Methylnaphthalene 2100 UD 77-47-4 Hexachlorocyclopentadiene 2100 UD 88-06-2 2,4,6-Trichlorophenol 2100 UD 95-95-4 5400 2,4,5-Trichlorophenol UD 91-58-7 2-Chloronaphthalene 2100 UD 88-74-4 5400 UD 2-Nitroaniline 131-11-3 2100 UD Dimethylphthalate 208-96-8 Acenaphthylene 2100 UD 606-20-2 2,6-Dinitrotoluene 2100 UD 99-09-2 3-Nitroaniline 5400 UD 83-32-9 1600 Acenaphthene JD 51-28-5 2,4-Dinitrophenol 5400 UD

EPA SAMPLE NO.

B-24DL

Lab Name: Chemtech Co	onsulting Group	Contract	: HRPAO	2	
Lab Code: CHEM	Case No.: <u>Z4726</u> S.	AS No.:	Z4726	SDG :	No.: <u>Z4726</u>
<pre>Matrix (soil/water):</pre>	SOIL	Lab Samp	le ID:	Z4726-06DI	ı
Sample wt/vol: 30.0	(g/mL) g	Lab File	ID:	BF023290.D	)
Level: (low/med)	<u> </u>	Date Rec	eived:	9/27/20	08
% Moisture: 23	Decanted: (Y/N) N	Date Ext	racted:	9/30/20	008_
Concentrated Extract Vo.	lume: 1000 (uL)	Date Ana	lyzed:	10/6/20	008
Injection Volume:	1.0	Dilution	Factor:	5.0	
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type	s) SOXH	
	<del></del>	CONCENT	RATION UN	IITS:	
CAS NO.	COMPOUND	(ug/L c	or ug/Kg)	ug/Kg	Q
100-02-7	4-Nitrophenol			5400	UD
132-64-9	Dibenzofuran			2100	UD
121-14-2	2,4-Dinitrotoluene			2100	UD
84-66-2	Diethylphthalate			2100	UD
7005-72-3	4-Chlorophenyl-phenyleth	er		2100	UD
86-73-7	Fluorene			2900	BD
100-01-6	4-Nitroaniline		<u> </u>	5400	UD
534-52-1	4,6-Dinitro-2-methylphen	01		5400	UD
86-30-6	N-Nitrosodiphenylamine	<u> </u>		2100	UD UD
103-33-3	Azobenzene			2100	UD UD
101-55-3	4-Bromophenyl-phenylethe	r		2100	UD UD
118-74-1	Hexachlorobenzene			2100	UD UD
87-86-5	Pentachlorophenol			5400	UD
85-01-8	Phenanthrene		<u> </u>	6700	BD
120-12-7	Anthracene			340	JBD
84-74-2	Di-n-butylphthalate		İ	2100	UD
206-44-0	Fluoranthene		1	580	JBD
129-00-0				600	JBD
85-68-7	Pyrene			2100	UD UD
	Butylbenzylphthalate				
91-94-1	3,3-Dichlorobenzidine			2100	UD
56-55-3	Benzo(a)anthracene		1	2100	UD
218-01-9	Chrysene		1	2100	UD
117-81-7	bis(2-Ethylhexyl)phthala	te		2100	UD
117-84-0	Di-n-octyl phthalate		•	2100	UD
205-99-2	Benzo(b)fluoranthene			2100	UD
207-08-9	Benzo(k)fluoranthene		<u> </u>	2100	UD
50-32-8	Benzo(a)pyrene		<u> </u>	2100	UD
193-39-5	Indeno(1,2,3-cd)pyrene		<u> </u>	2100	UD
53-70-3	Dibenz(a,h)anthracene			2100	UD
191-24-2	Benzo(g,h,i)perylene			2100	UD

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group Contract	:: HRPA02
Lab Code: CHEM	Case No.: Z4726 SAS No.:	Z4726 SDG No.: Z4726
Matrix (soil/water):	SOIL Lab Samp	Dle ID: Z4726-09
Sample wt/vol: 30.	L (g/mL) g Lab File	BF023287.D
Level: (low/med)	Date Rec	eived: 9/27/2008
% Moisture: 15	Decanted: (Y/N) N Date Ext	racted: 9/30/2008
Concentrated Extract Vo	lume:1000 (uL) Date Ana	10/6/2008
Injection Volume:	1.0 Dilution	n Factor: 10.0
GPC Cleanup: (Y/N)	N pH: N/A Extracti	Lon: (Type) SOXH
	CONCENT	TRATION UNITS:
CAS NO.	COMPOUND (ug/L	or ug/Kg Q
108-95-2	Phenol	3900 U
111-44-4	bis(2-Chloroethyl)ether	3900 U
95-57-8	2-Chlorophenol	3900 U
100-51-6	Benzyl Alcohol	3900 U
95-48-7	2-Methylphenol	3900 U
108-60-1	2,2-oxybis(1-Chloropropane)	3900 U
106-44-5	3+4-Methylphenols	3900 U
621-64-7	N-Nitroso-di-n-propylamine	3900 U
67-72-1	Hexachloroethane	3900 U
98-95-3	Nitrobenzene	3900 U
78-59-1	Isophorone	3900 U
88-75-5	2-Nitrophenol	3900 U
105-67-9	2,4-Dimethylphenol	3900 U
111-91-1	bis(2-Chloroethoxy)methane	3900 U
120-83-2	2,4-Dichlorophenol	3900 U
65-85-0	Benzoic acid	3900 U
91-20-3	Naphthalene	3900 U
106-47-8	4-Chloroaniline	<del>-</del>
87-68-3	Hexachlorobutadiene	3900 U 3900 U
59-50-7		<del>•</del>
91-57-6	4-Chloro-3-methylphenol   2-Methylnaphthalene	
77-47-4	Z-Methylhaphthalene   Hexachlorocyclopentadiene	1000 JB 3900 U
88-06-2	2,4,6-Trichlorophenol	3900 U
	_	
95-95-4	2,4,5-Trichlorophenol	9700 U
91-58-7	2-Chloronaphthalene	3900 U
88-74-4	2-Nitroaniline	9700 U
131-11-3	Dimethylphthalate	3900 U
208-96-8	Acenaphthylene	3900 U
606-20-2	2,6-Dinitrotoluene	3900 U
99-09-2	3-Nitroaniline	9700 U
83-32-9	Acenaphthene	3500 J
51-28-5	2,4-Dinitrophenol	9700 U

EPA SAMPLE NO.

Lab Code: CHEM	Lab Name: Chemtech Co	onsulting Group	Contract: HRP	A02	
Sample wt/vol:   30.1   (g/mL)   g	Lab Code: CHEM	Case No.: Z4726 SI	AS No.: Z4726	SDG No	.: Z4726
Date Received: 9/27/2008	Matrix (soil/water):	SOIL	Lab Sample ID:	Z4726-09	
* Moisture: 15   Decanted: (Y/N)   N   Date Extracted: 9/30/2008    Concentrated Extract Volume: 1.0   Date Analyzed: 10/6/2008    Injection Volume: 1.0   Dilution Factor: 10.0    GPC Cleanup: (Y/N)   N   pH: N/A   Extraction: (Type)   SOXH    CONCENTRATION UNITS: CONCENTRATION UNITS: (Ug/L or ug/Kg)   Ug/Kg   Q    100-02-7   4-Mitrophenol   9700   U   132-64-9   Dibenzofuran   3900   U   121-14-2   2,4-Dinitrotoluene   3900   U   84-66-2   Diethylphthalate   3900   U   84-66-2   Diethylphthalate   3900   U   86-73-7   Fluorene   6100   B   100-01-6   4-Mitrophenol   9700   U   534-52-1   4,6-Dinitro-2-methylphenol   9700   U   86-30-6   N-Mitrosodiphenylamine   3900   U   103-33-3   Azobenzene   3900   U   101-55-3   4-Bromophenyl-phenylether   3900   U   101-55-3   4-Bromophenyl-phenylether   3900   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   Pentachlorophenol   9700   U   87-86-5   910-Nutrylphthalate   3900   U   87-90-0   Pyrene   980   JB   87-86-7   Butylbenzylphthalate   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzidine   3900   U   87-94-1   3,3-Dichlorobenzi	Sample wt/vol: 30.1	L (g/mL) g	Lab File ID:	BF023287.D	
Concentrated Extract Volume: 1.0	Level: (low/med)		Date Received:	9/27/2008	<del></del> 3
Transmission   Tran	% Moisture: 15	Decanted: (Y/N) N	Date Extracted	: 9/30/2008	<u>—</u> 3
CAS NO.   COMPOUND	Concentrated Extract Vol		Date Analyzed:	10/6/2008	<del>_</del> 3
CAS NO.   COMPOUND	Injection Volume:	1.0	Dilution Facto	r: 10.0	<u>—</u>
CAS NO. COMFOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 9700 U  132-64-9 Dibenzofuran 3900 U  121-14-2 2,4-Dinitrotoluene 3900 U  84-66-2 Diethylphthalate 3900 U  7005-72-3 4-Chlorophenyl-phenylether 3900 U  86-73-7 Fluorene 6100 B  100-01-6 4-Nitroaniline 9700 U  534-52-1 4,6-Dinitro-2-methylphenol 9700 U  86-30-6 N-Nitrosodiphenylamine 3900 U  103-33-3 Azobenzene 3900 U  101-55-3 4-Bromophenyl-phenylether 3900 U  118-74-1 Hexachlorobenzene 3900 U  87-86-5 Pentachlorobenzene 3900 U  85-01-8 Phenanthrene 16000 B  120-12-7 Anthracene 790 JB  84-74-2 Di-n-butylphthalate 3900 U  206-44-0 Fluoranthene 820 JB  129-00-0 Fyrene 980 JB  85-68-7 Butylbenzylphthalate 3900 U  206-44-0 Sluoranthene 3900 U  56-55-3 Benzo(a)anthracene 3900 U  218-01-9 Chrysene 3900 U  218-01-9 Chrysene 3900 U  217-84-0 Di-n-octyl phthalate 3900 U  217-84-0 Di-n-octyl phthalate 3900 U  217-84-0 Di-n-octyl phthalate 3900 U  218-01-9 Chrysene 3900 U  217-84-0 Di-n-octyl phthalate 3900 U  218-01-9 Chrysene 3900 U  217-84-0 Di-n-octyl phthalate 3900 U  217-84-0 Di-n-octyl phthalate 3900 U  217-84-0 Di-n-octyl phthalate 3900 U  217-84-9 Benzo(a)pyrene 3900 U  219-32-8 Benzo(a)pyrene 3900 U  50-32-8 Benzo(a)pyrene 3900 U  53-70-3 Dibenz(a,h)anthracene 3900 U	-				
CAS NO.   COMPOUND   (ug/L or ug/Kg)   ug/Kg   Q	GPC Cleanup: (1/N)	N PH: N/A			
100-02-7	CAS NO.	COMPOUND			O
132-64-9			1		
121-14-2       2,4-Dinitrotoluene       3900       U         84-66-2       Diethylphthalate       3900       U         7005-72-3       4-Chlorophenyl-phenylether       3900       U         86-73-7       Fluorene       6100       B         100-01-6       4-Nitroaniline       9700       U         534-52-1       4,6-Dinitro-2-methylphenol       9700       U         86-30-6       N-Nitrosodiphenylamine       3900       U         103-33-3       Azobenzene       3900       U         118-74-1       Hexachlorobenzene       3900       U         118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         17					
84-66-2       Diethylphthalate       3900       U         7005-72-3       4-Chlorophenyl-phenylether       3900       U         86-73-7       Fluorene       6100       B         100-01-6       4-Nitroaniline       9700       U         534-52-1       4,6-Dinitro-2-methylphenol       9700       U         86-30-6       N-Nitrosodiphenylamine       3900       U         103-33-3       Azobenzene       3900       U         101-55-3       4-Bromophenyl-phenylether       3900       U         118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         218-01-9       Chrysene       3900       U         218-					
7005-72-3         4-Chlorophenyl-phenylether         3900         U           86-73-7         Fluorene         6100         B           100-01-6         4-Nitroaniline         9700         U           534-52-1         4,6-Dinitro-2-methylphenol         9700         U           86-30-6         N-Nitrosodiphenylamine         3900         U           103-33-3         Azobenzene         3900         U           101-55-3         4-Bromophenyl-phenylether         3900         U           118-74-1         Hexachlorobenzene         3900         U           87-86-5         Pentachlorophenol         9700         U           85-01-8         Phenanthrene         16000         B           120-12-7         Anthracene         790         JB           84-74-2         Di-n-butylphthalate         3900         U           206-44-0         Fluoranthene         820         JB           129-00-0         Pyrene         980         JB           85-68-7         Butylbenzylphthalate         3900         U           91-94-1         3,3-Dichlorobenzidine         3900         U           218-01-9         Chrysene         3900         U					
86-73-7       Fluorene       6100       B         100-01-6       4-Nitroaniline       9700       U         534-52-1       4,6-Dinitro-2-methylphenol       9700       U         86-30-6       N-Nitrosodiphenylamine       3900       U         103-33-3       Azobenzene       3900       U         101-55-3       4-Bromophenyl-phenylether       3900       U         118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         218-01-9       Chrysene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         205-99-2 <td></td> <td><del>}</del></td> <td></td> <td></td> <td></td>		<del>}</del>			
100-01-6       4-Nitroaniline       9700       U         534-52-1       4,6-Dinitro-2-methylphenol       9700       U         86-30-6       N-Nitrosodiphenylamine       3900       U         103-33-3       Azobenzene       3900       U         101-55-3       4-Bromophenyl-phenylether       3900       U         118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         218-01-9       Chrysene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U <td< td=""><td></td><td></td><td>er  </td><td></td><td></td></td<>			er		
534-52-1       4,6-Dinitro-2-methylphenol       9700       U         86-30-6       N-Nitrosodiphenylamine       3900       U         103-33-3       Azobenzene       3900       U         101-55-3       4-Bromophenyl-phenylether       3900       U         118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U			+		
86-30-6       N-Nitrosodiphenylamine       3900       U         103-33-3       Azobenzene       3900       U         101-55-3       4-Bromophenyl-phenylether       3900       U         118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         218-01-9       Chrysene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         53-70-			01		
103-33-3       Azobenzene       3900       U         101-55-3       4-Bromophenyl-phenylether       3900       U         118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         218-01-9       Chrysene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U			01		
101-55-3					
118-74-1       Hexachlorobenzene       3900       U         87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U			<del>-</del>		
87-86-5       Pentachlorophenol       9700       U         85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U			<u>r</u>		
85-01-8       Phenanthrene       16000       B         120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
120-12-7       Anthracene       790       JB         84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U		<del>-</del>			
84-74-2       Di-n-butylphthalate       3900       U         206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
206-44-0       Fluoranthene       820       JB         129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
129-00-0       Pyrene       980       JB         85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
85-68-7       Butylbenzylphthalate       3900       U         91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
91-94-1       3,3-Dichlorobenzidine       3900       U         56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U		-			
56-55-3       Benzo(a)anthracene       3900       U         218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
218-01-9       Chrysene       3900       U         117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
117-81-7       bis(2-Ethylhexyl)phthalate       3900       U         117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
117-84-0       Di-n-octyl phthalate       3900       U         205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U		_	te		U
205-99-2       Benzo(b)fluoranthene       3900       U         207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U	117-84-0			3900	U
207-08-9       Benzo(k)fluoranthene       3900       U         50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U					
50-32-8       Benzo(a)pyrene       3900       U         193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U			j		U
193-39-5       Indeno(1,2,3-cd)pyrene       3900       U         53-70-3       Dibenz(a,h)anthracene       3900       U	50-32-8		j		U
53-70-3 Dibenz(a,h)anthracene 3900 U			j		U
191-24-2 Benzo(g,h,i)perylene 3900 U	53-70-3		j	3900	U
	191-24-2	Benzo(g,h,i)perylene		3900	Ū

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	B-21							
Z4726-03	B-21	SOIL	Acenaphthene	420	J	440	9.6	ug/Kg
Z4726-03	B-21	SOIL	Fluorene	620	В	440	12	ug/Kg
Z4726-03	B-21	SOIL	Phenanthrene	1100	В	440	14	ug/Kg
Z4726-03	B-21	SOIL	Anthracene	150	JB	440	15	ug/Kg
Z4726-03	B-21	SOIL	Fluoranthene	180	JB	440	11	ug/Kg
Z4726-03	B-21	SOIL	Pyrene	250	JB	440	9.7	ug/Kg
Z4726-03	B-21	SOIL	Benzo(a)anthracene	58	JB	440	11	ug/Kg
Z4726-03	B-21	SOIL	Chrysene	67	JB	440	8.3	ug/Kg
Z4726-03	B-21	SOIL	Benzo(b)fluoranthene	68	J	440	32	ug/Kg
		Total	SVOC's:	2913.00				
			TIC's:	0.00				
		Total	SVOC's and TIC's:	2913.00				
Client ID:	B-22							
Z4726-04	B-22	SOIL	Acenaphthene	2200		460	9.9	ug/Kg
Z4726-04	B-22	SOIL	Anthracene	640	В	460	15	ug/Kg
Z4726-04	B-22	SOIL	Fluoranthene	570	В	460	11	ug/Kg
Z4726-04	B-22	SOIL	Pyrene	580	В	460	10	ug/Kg
Z4726-04	B-22	SOIL	Benzo(a)anthracene	60	JB	460	11	ug/Kg
Z4726-04	B-22	SOIL	Chrysene	71	JB	460	8.5	ug/Kg
Z4726-04	B-22	SOIL	Benzo(b)fluoranthene	48	J	460	33	ug/Kg
		Total	SVOC's:	4169.00				
		Total	TIC's:	0.00				
		Total	SVOC's and TIC's:	4169.00				
Client ID:	B-22DL							
Z4726-04DL	B-22DL	SOIL	Acenaphthene	2100	JD	2300	49	ug/Kg
Z4726-04DL	B-22DL	SOIL	Fluorene	3600	BD	2300	62	ug/Kg
Z4726-04DL	B-22DL	SOIL	Phenanthrene	8700	BD	2300	71	ug/Kg
Z4726-04DL	B-22DL	SOIL	Anthracene	500	JB	2300	77	ug/Kg
Z4726-04DL	B-22DL	SOIL	Fluoranthene	490	JB	2300	55	ug/Kg
Z4726-04DL	B-22DL	SOIL	Pyrene	620	JB	2300	50	ug/Kg
		Total	SVOC's:	16010.00				
			TIC's:	0.00				
		Total	SVOC's and TIC's:	16010.00				

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	$\mathbf{C}$	RDL	MDL	Units
Client ID:	B-23							
Z4726-05	B-23	SOIL	Acenaphthene	4400		4100	89	ug/Kg
Z4726-05	B-23	SOIL	Fluorene	6800	В	4100	110	ug/Kg
Z4726-05	B-23	SOIL	Phenanthrene	18000	В	4100	130	ug/Kg
Z4726-05	B-23	SOIL	Anthracene	920	JB	4100	140	ug/Kg
Z4726-05	B-23	SOIL	Fluoranthene	1100	JB	4100	100	ug/Kg
Z4726-05	B-23	SOIL	Pyrene	1500	JB	4100	90	ug/Kg
		Total S	SVOC's:	32720.00				
		Total T		0.00				
		Total S	SVOC's and TIC's:	32720.00				
Client ID:	B-24							
Z4726-06	B-24	SOIL	Acenaphthene	1600		430	9.3	ug/Kg
Z4726-06	B-24	SOIL	Fluorene	2500	В	430	12	ug/Kg
Z4726-06	B-24	SOIL	Anthracene	510	В	430	14	ug/Kg
Z4726-06	B-24	SOIL	Fluoranthene	650	В	430	10	ug/Kg
Z4726-06	B-24	SOIL	Pyrene	600	В	430	9.4	ug/Kg
Z4726-06	B-24	SOIL	Benzo(a)anthracene	87	JB	430	10	ug/Kg
Z4726-06	B-24	SOIL	Chrysene	100	JB	430	8.0	ug/Kg
Z4726-06	B-24	SOIL	Benzo(b)fluoranthene	75	J	430	31	ug/Kg
		Total S	SVOC's:	6122.00				
		Total T	TIC's:	0.00				
		Total S	SVOC's and TIC's:	6122.00				
Client ID:	B-24DL							
Z4726-06DL	B-24DL	SOIL	Acenaphthene	1600	JD	2100	46	ug/Kg
Z4726-06DL	B-24DL	SOIL	Fluorene	2900	BD	2100	58	ug/Kg
Z4726-06DL	B-24DL	SOIL	Phenanthrene	6700	BD	2100	67	ug/Kg
Z4726-06DL	B-24DL	SOIL	Anthracene	340	JB	2100	72	ug/Kg
Z4726-06DL	B-24DL	SOIL	Fluoranthene	580	JB	2100	52	ug/Kg
Z4726-06DL	B-24DL	SOIL	Pyrene	600	JB	2100	47	ug/Kg
		Total S	SVOC's:	12720.00				
		Total 1	TIC's:	0.00				
		Total S	SVOC's and TIC's:	12720.00				

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID Client ID:	Client ID B-25	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Z4726-09	B-25	SOIL	2-Methylnaphthalene	1000	JB	3900	110	ug/Kg
Z4726-09	B-25	SOIL	Acenaphthene	3500	J	3900	84	ug/Kg
Z4726-09	B-25	SOIL	Fluorene	6100	В	3900	100	ug/Kg
Z4726-09	B-25	SOIL	Phenanthrene	16000	В	3900	120	ug/Kg
Z4726-09	B-25	SOIL	Anthracene	790	JB	3900	130	ug/Kg
Z4726-09	B-25	SOIL	Fluoranthene	820	JB	3900	94	ug/Kg
Z4726-09	B-25	SOIL	Pyrene	980	JB	3900	85	ug/Kg
		Total S	VOC's:	29190.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	29190.00				
Client ID:	SW-15							
Z4726-01	SW-15	SOIL	Acenaphthene	190	J	400	8.6	ug/Kg
Z4726-01	SW-15	SOIL	Fluorene	290	JB	400	11	ug/Kg
Z4726-01	SW-15	SOIL	Phenanthrene	520	В	400	12	ug/Kg
Z4726-01	SW-15	SOIL	Anthracene	140	JB	400	13	ug/Kg
Z4726-01	SW-15	SOIL	Fluoranthene	160	JB	400	9.6	ug/Kg
Z4726-01	SW-15	SOIL	Pyrene	250	JB	400	8.7	ug/Kg
		Total S		1550.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	1550.00				
Client ID:	SW-16							
Z4726-02	SW-16	SOIL	Acenaphthene	3100		2000	44	ug/Kg
Z4726-02	SW-16	SOIL	Fluorene	4800	В	2000	54	ug/Kg
Z4726-02	SW-16	SOIL	Anthracene	2100	В	2000	68	ug/Kg
Z4726-02	SW-16	SOIL	Fluoranthene	3700	В	2000	49	ug/Kg
Z4726-02	SW-16	SOIL	Pyrene	2900	В	2000	44	ug/Kg
Z4726-02	SW-16	SOIL	Benzo(a)anthracene	1200	JB	2000	48	ug/Kg
Z4726-02	SW-16	SOIL	Chrysene	1300	JB	2000	37	ug/Kg
Z4726-02	SW-16	SOIL	Benzo(b)fluoranthene	1400	J	2000	150	ug/Kg
Z4726-02	SW-16	SOIL	Benzo(k)fluoranthene	540	J	2000	92	ug/Kg
Z4726-02	SW-16	SOIL	Benzo(a)pyrene	1000	J	2000	59	ug/Kg
Z4726-02	SW-16	SOIL	Indeno(1,2,3-cd)pyrene	640	J	2000	51	ug/Kg
Z4726-02	SW-16	SOIL	Benzo(g,h,i)perylene	650	J	2000	150	ug/Kg
		Total S	VOC's:	23330.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	23330.00				

## Summary Sheet SW-846

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	B-21	~ ~ ~		100				
Z4726-03	B-21	SOIL	Isopropylbenzene	100		6.7	1.1	ug/Kg
Z4726-03	B-21	SOIL	N-propylbenzene	140		6.7	1.1	ug/Kg
Z4726-03	B-21	SOIL	tert-Butylbenzene	35		6.7	0.97	ug/Kg
Z4726-03	B-21	SOIL	1,2,4-Trimethylbenzene	50		6.7	1.0	ug/Kg
Z4726-03	B-21	SOIL	Sec-butylbenzene	200	E	6.7	1.1	ug/Kg
Z4726-03	B-21	SOIL	n-Butylbenzene	200		6.7	1.3	ug/Kg
			Total VOC's:	725.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	725.00				
Client ID:	B-22							
Z4726-04	B-22	SOIL	Isopropylbenzene	230	E	6.9	1.1	ug/Kg
Z4726-04	B-22	SOIL	N-propylbenzene	280	E	6.9	1.1	ug/Kg
Z4726-04	B-22	SOIL	Sec-butylbenzene	280	E	6.9	1.2	ug/Kg
Z4726-04	B-22	SOIL	n-Butylbenzene	290	E	6.9	1.3	ug/Kg
			Total VOC's:	1080.00				
			Total TIC's: Total VOC's and TIC's:	0.00 1080.00				
Client ID:	B-23							
Z4726-05	B-23	SOIL	Isopropylbenzene	300	E	6.2	1.0	ug/Kg
Z4726-05	B-23	SOIL	N-propylbenzene	380	E	6.2	0.99	ug/Kg
Z4726-05	B-23	SOIL	Sec-butylbenzene	300	E	6.2	1.0	ug/Kg
Z4726-05	B-23	SOIL	n-Butylbenzene	300	E	6.2	1.2	ug/Kg
			Total VOC's:	1280.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	1280.00				
Client ID:	SW-15							
Z4726-01	SW-15	SOIL	Isopropylbenzene	5.0	J	6.0	0.99	ug/Kg
Z4726-01	SW-15	SOIL	N-propylbenzene	8.1		6.0	0.95	ug/Kg
Z4726-01	SW-15	SOIL	tert-Butylbenzene	2.7	J	6.0	0.87	ug/Kg
Z4726-01	SW-15	SOIL	Sec-butylbenzene	16		6.0	1.0	ug/Kg
Z4726-01	SW-15	SOIL	n-Butylbenzene	18		6.0	1.1	ug/Kg
			Total VOC's:	49.80				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	49.80				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

SDG No.: Z4726 Order ID: Z4726

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	С	RDL	MDL	Units
Client ID:	SW-16DL							
Z4726-02DL	SW-16DL	SOIL	Acenaphthene	2900	JD	4000	87	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Fluorene	5100	BD	4000	110	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Phenanthrene	16000	BD	4000	130	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Anthracene	1100	JB	4000	140	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Fluoranthene	3700	JB	4000	98	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Pyrene	3600	JB	4000	88	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Benzo(a)anthracene	1200	JB	4000	97	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Chrysene	1300	JB	4000	75	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Benzo(b)fluoranthene	1400	JD	4000	290	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Benzo(k)fluoranthene	640	JD	4000	180	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Benzo(a)pyrene	930	JD	4000	120	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Indeno(1,2,3-cd)pyrene	540	JD	4000	100	ug/Kg
Z4726-02DL	SW-16DL	SOIL	Benzo(g,h,i)perylene	640	JD	4000	290	ug/Kg

Total SVOC's: 39050.00
Total TIC's: 0.00

Total SVOC's and TIC's: 39050.00

# Surrogate Summary SW-846

**SDG No.: Z4726** 

Client: HRP Associates, Inc.

							Lin	
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
PB36887B	SBLK01	2-Fluorophenol	150	126.64	84		23.00	104.00
		Phenol-d5	150	132.9	89		29.00	104.00
		Nitrobenzene-d5	100	90.22	90		28.00	110.00
		2-Fluorobiphenyl	100	95.63	96		32.00	109.00
		2,4,6-Tribromophenol	150	139.58	93		24.00	112.00
		Terphenyl-d14	100	104.74	105		30.00	150.00
PB36887BS	SLCS01	2-Fluorophenol	150	132.96	89		23.00	104.00
		Phenol-d5	150	136.25	91		29.00	104.00
		Nitrobenzene-d5	100	93.73	94		28.00	110.00
		2-Fluorobiphenyl	100	100.33	100		32.00	109.00
		2,4,6-Tribromophenol	150	151.63	101		24.00	112.00
		Terphenyl-d14	100	99.93	100		30.00	150.00
Z4726-01	SW-15	2-Fluorophenol	150	136.48	91		23.00	104.00
		Phenol-d5	150	137.9	92		29.00	104.00
		Nitrobenzene-d5	100	97.33	97		28.00	110.00
		2-Fluorobiphenyl	100	91.21	91		32.00	109.00
		2,4,6-Tribromophenol	150	131.22	87		24.00	112.00
		Terphenyl-d14	100	88.34	88		30.00	150.00
Z4726-02	SW-16	2-Fluorophenol	150	116.95	78		23.00	104.00
		Phenol-d5	150	122.9	82		29.00	104.00
		Nitrobenzene-d5	100	6.85001	97		28.00	110.00
		2-Fluorobiphenyl	100	88.05	88		32.00	109.00
		2,4,6-Tribromophenol	150	111.65	74		24.00	112.00
		Terphenyl-d14	100	86.75	87		30.00	150.00
Z4726-02DL	SW-16DL	2-Fluorophenol	150	76.4	51		23.00	104.00
		Phenol-d5	150	110.2	73		29.00	104.00
		Nitrobenzene-d5	100	41.5	42		28.00	110.00
		2-Fluorobiphenyl	100	88.4	88		32.00	109.00
		2,4,6-Tribromophenol	150	2.60001	48		24.00	112.00
		Terphenyl-d14	100	90.5	91		30.00	150.00
Z4726-03	B-21	2-Fluorophenol	150	128.34	86		23.00	104.00
		Phenol-d5	150	132.79	89		29.00	104.00
		Nitrobenzene-d5	100	90.42	90		28.00	110.00
		2-Fluorobiphenyl	100	85.51	86		32.00	109.00
		2,4,6-Tribromophenol	150	125.53	84		24.00	112.00
		Terphenyl-d14	100	78.8	79		30.00	150.00
Z4726-04	B-22	2-Fluorophenol	150	144.71	96		23.00	104.00
		Phenol-d5	150	146.1	97		29.00	104.00
		Nitrobenzene-d5	100	128.12		*	28.00	110.00
		2-Fluorobiphenyl	100	106.51	107		32.00	109.00
		2,4,6-Tribromophenol	150	177.23		*	24.00	112.00

# Surrogate Summary SW-846

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

							Lin	its
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4726-04	B-22	Terphenyl-d14	100	86.75	87		30.00	150.00
Z4726-04DL	B-22DL	2-Fluorophenol	150	132.5	88		23.00	104.00
		Phenol-d5	150	120.15	80		29.00	104.00
		Nitrobenzene-d5	100	54.4	54		28.00	110.00
		2-Fluorobiphenyl	100	99.95	100		32.00	109.00
		2,4,6-Tribromophenol	150	95.9	64		24.00	112.00
		Terphenyl-d14	100	4.35001	94		30.00	150.00
Z4726-05	B-23	2-Fluorophenol	150	137.1	91		23.00	104.00
		Phenol-d5	150	134.7	90		29.00	104.00
		Nitrobenzene-d5	100	52.7	53		28.00	110.00
		2-Fluorobiphenyl	100	112.3	112	*	32.00	109.00
		2,4,6-Tribromophenol	150	92.5	62		24.00	112.00
		Terphenyl-d14	100	101.5	102		30.00	150.00
Z4726-06	B-24	2-Fluorophenol	150	140.79	94		23.00	104.00
		Phenol-d5	150	143.8	96		29.00	104.00
		Nitrobenzene-d5	100	116.55	117	*	28.00	110.00
		2-Fluorobiphenyl	100	102.97	103		32.00	109.00
		2,4,6-Tribromophenol	150	142.84	95		24.00	112.00
		Terphenyl-d14	100	85.65	86		30.00	150.00
Z4726-06DL	B-24DL	2-Fluorophenol	150	135.55	90		23.00	104.00
		Phenol-d5	150	144.65	96		29.00	104.00
		Nitrobenzene-d5	100	50.8	51		28.00	110.00
		2-Fluorobiphenyl	100	101.2	101		32.00	109.00
		2,4,6-Tribromophenol	150	74.3	50		24.00	112.00
		Terphenyl-d14	100	96.7	97		30.00	150.00
Z4726-07MS	B-24MS	2-Fluorophenol	150	138.51	92		23.00	104.00
		Phenol-d5	150	145.39	97		29.00	104.00
		Nitrobenzene-d5	100	117.97	118	*	28.00	110.00
		2-Fluorobiphenyl	100	108	108		32.00	109.00
		2,4,6-Tribromophenol	150	169.26	113	*	24.00	112.00
		Terphenyl-d14	100	92.41	92		30.00	150.00
Z4726-08MSD	B-24MSD	2-Fluorophenol	150	135.57	90		23.00	104.00
		Phenol-d5	150	140.37	94		29.00	104.00
		Nitrobenzene-d5	100	114.24	114	*	28.00	110.00
		2-Fluorobiphenyl	100	105.37	105		32.00	109.00
		2,4,6-Tribromophenol	150	167.13	111		24.00	112.00
		Terphenyl-d14	100	85.59	86		30.00	150.00
Z4726-09	B-25	2-Fluorophenol	150	138.2	92		23.00	104.00
		Phenol-d5	150	137.2	91		29.00	104.00
		Nitrobenzene-d5	100	97.3	97		28.00	110.00
		2-Fluorobiphenyl	100	112.4	112	*	32.00	109.00

## Surrogate Summary SW-846

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

							Lim	iits
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4726-09	B-25	2,4,6-Tribromophenol	150	113.4	76		24.00	112.00
		Terphenyl-d14	100	93.6	94		30.00	150.00

# Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4726** 

Client: HRP Associates, Inc.

		Sample			Rec		RPD		Limits	
Parameter	Spike	Result	Result	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID: Z4726-07MS	Client Sa	ample ID:	B-24MS							
Phenol	2200	0	2200	100				42	105	
bis(2-Chloroethyl)ether	2200	0	2600	118	*			37	114	
2-Chlorophenol	2200	0	2100	95				52	107	
Benzyl Alcohol	2200	0	2300	105	*			43	97	
2-Methylphenol	2200	0	2200	100				50	100	
2,2-oxybis(1-Chloropropane)	2200	0	2000	91				44	102	
3+4-Methylphenols	2200	0	2100	95				30	106	
N-Nitroso-di-n-propylamine	2200	0	2200	100	*			63	97	
Hexachloroethane	2200	0	2300	105	*			43	101	
Nitrobenzene	2200	0	2700	123	*			50	109	
Isophorone	2200	0	3000	136	*			48	111	
2-Nitrophenol	2200	0	2600	118	*			52	116	
2,4-Dimethylphenol	2200	0	2600	118	*			47	109	
bis(2-Chloroethoxy)methane	2200	0	2600	118	*			51	111	
2,4-Dichlorophenol	2200	0	2700	123	*			55	109	
Benzoic acid	2200	0	1000	45				16	112	
Naphthalene	2200	0	2400	109				34	120	
4-Chloroaniline	2200	0	390	18				15	92	
Hexachlorobutadiene	2200	0	2400	109				20	150	
4-Chloro-3-methylphenol	2200	0	2700	123	*			60	100	
2-Methylnaphthalene	2200	0	2200	100				49	115	
Hexachlorocyclopentadiene	4300	0	2300	53				20	107	
2,4,6-Trichlorophenol	2200	0	2500	114	*			50	112	
2,4,5-Trichlorophenol	2200	0	2600	118	*			55	105	
2-Chloronaphthalene	2200	0	2300	105				50	113	
2-Nitroaniline	2200	0	2800	127	*			52	110	
Dimethylphthalate	2200	0	2700	123	*			45	122	
Acenaphthylene	2200	0	2300	105				52	107	
2,6-Dinitrotoluene	2200	0	3900	177	*			49	116	
3-Nitroaniline	2200	0	2400	109	*			27	88	
Acenaphthene	2200	1600	3600	91				65	100	
2,4-Dinitrophenol	4300	0	1100	26				26	131	
4-Nitrophenol	4300	0	7000	163	*			45	95	
Dibenzofuran	2200	0	2600	118	*			52	113	
2,4-Dinitrotoluene	2200	0	3100	141	*			56	104	
Diethylphthalate	2200	0	2200	100				49	115	
4-Chlorophenyl-phenylether	2200	0	2000	91				37	127	
Fluorene	2200	2500	4200	77				47	117	
4-Nitroaniline	2200	0	2100	95				41	115	
4,6-Dinitro-2-methylphenol	2200	0	750	34	*			40	105	

# Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4726** 

Client: HRP Associates, Inc.

		Sample			Rec	RPD		Limits	
Parameter	Spike	Result	Result	Rec	Qual RPD	Qual	Low	High	RPD
Lab Sample ID: Z4726-07MS	Client Sa	mple ID:	B-24MS						
N-Nitrosodiphenylamine	2200	0	5900	268	*		55	120	
Azobenzene	2200	0	2600	118	*		51	114	
4-Bromophenyl-phenylether	2200	0	2000	91			53	113	
Hexachlorobenzene	2200	0	2000	91			48	118	
Pentachlorophenol	4300	0	3100	72			33	111	
Phenanthrene	2200	5600	7400	82			50	119	
Anthracene	2200	510	2600	95			54	108	
Di-n-butylphthalate	2200	0	2300	105			52	112	
Fluoranthene	2200	650	3200	116	*		55	105	
Pyrene	2200	600	2600	91			49	120	
Butylbenzylphthalate	2200	0	2300	105			55	120	
3,3-Dichlorobenzidine	2200	0	1100	50			31	111	
Benzo(a)anthracene	2200	87	2300	101	*		60	100	
Chrysene	2200	100	2200	95			51	115	
bis(2-Ethylhexyl)phthalate	2200	0	2300	105			54	124	
Di-n-octyl phthalate	2200	0	2500	114			53	122	
Benzo(b)fluoranthene	2200	75	2200	97			42	126	
Benzo(k)fluoranthene	2200	0	2000	91			43	125	
Benzo(a)pyrene	2200	0	2200	100			58	102	
Indeno(1,2,3-cd)pyrene	2200	0	2500	114			42	124	
Dibenz(a,h)anthracene	2200	0	2200	100			41	130	
Benzo(g,h,i)perylene	2200	0	2200	100			39	130	
- ·- ·									

# Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: Z4726

Client: HRP Associates, Inc.

		Sample			Rec		RPD		Limits	
Parameter	Spike	Result	Result	Rec	Qual	RPD	Qual	Low	High	RPD
ab Sample ID: Z4726-08MSD	Client Sa	mple ID:	B-24MSD							
Phenol	2200	0	2200	100		0		42	105	50
bis(2-Chloroethyl)ether	2200	0	2600	118	*	0		37	114	50
2-Chlorophenol	2200	0	2100	95		0		52	107	50
Benzyl Alcohol	2200	0	2200	100	*	5		43	97	50
2-Methylphenol	2200	0	2100	95		5		50	100	50
2,2-oxybis(1-Chloropropane)	2200	0	2000	91		0		44	102	50
3+4-Methylphenols	2200	0	2100	95		0		30	106	50
N-Nitroso-di-n-propylamine	2200	0	2100	95		5		63	97	50
Hexachloroethane	2200	0	2100	95		10		43	101	50
Nitrobenzene	2200	0	2600	118	*	4		50	109	50
Isophorone	2200	0	3000	136	*	0		48	111	50
2-Nitrophenol	2200	0	2700	123	*	4		52	116	50
2,4-Dimethylphenol	2200	0	2600	118	*	0		47	109	50
bis(2-Chloroethoxy)methane	2200	0	2500	114	*	3		51	111	50
2,4-Dichlorophenol	2200	0	2700	123	*	0		55	109	50
Benzoic acid	2200	0	460	21		73	*	16	112	50
Naphthalene	2200	0	2400	109		0		34	120	50
4-Chloroaniline	2200	0	470	21		15		15	92	50
Hexachlorobutadiene	2200	0	2300	105		4		20	150	50
4-Chloro-3-methylphenol	2200	0	2700	123	*	0		60	100	50
2-Methylnaphthalene	2200	0	2100	95		5		49	115	50
Hexachlorocyclopentadiene	4300	0	2100	49		8		20	107	50
2,4,6-Trichlorophenol	2200	0	2500	114	*	0		50	112	50
2,4,5-Trichlorophenol	2200	0	2600	118	*	0		55	105	50
2-Chloronaphthalene	2200	0	2300	105		0		50	113	50
2-Nitroaniline	2200	0	2500	114	*	11		52	110	50
Dimethylphthalate	2200	0	2600	118		4		45	122	50
Acenaphthylene	2200	0	2400	109	*	4		52	107	50
2,6-Dinitrotoluene	2200	0	3700	168	*	5		49	116	50
3-Nitroaniline	2200	0	2400	109	*	0		27	88	50
Acenaphthene	2200	1600	3600	91		0		65	100	50
2,4-Dinitrophenol	4300	0	940	22	*	17		26	131	50
4-Nitrophenol	4300	0	7000	163	*	0		45	95	50
Dibenzofuran	2200	0	2700	123	*	4		52	113	50
2,4-Dinitrotoluene	2200	0	3200	145	*	3		56	104	50
Diethylphthalate	2200	0	2100	95		5		49	115	50
4-Chlorophenyl-phenylether	2200	0	2000	91		0		37	127	50
Fluorene	2200	2500	4300	82		6		47	117	50
4-Nitroaniline	2200	0	2100	95		0		41	115	50
4,6-Dinitro-2-methylphenol	2200	0	610	28	*	19		40	105	50

# Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4726** 

Client: HRP Associates, Inc.

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Z4726-08MSD		mple ID:	B-24MSD							
N-Nitrosodiphenylamine	2200	0	5100	232	*	14		55	120	50
Azobenzene	2200	0	2600	118	*	0		51	114	50
4-Bromophenyl-phenylether	2200	0	2000	91		0		53	113	50
Hexachlorobenzene	2200	0	1800	82		10		48	118	50
Pentachlorophenol	4300	0	3100	72		0		33	111	50
Phenanthrene	2200	5600	7100	68		19		50	119	50
Anthracene	2200	510	2500	90		5		54	108	50
Di-n-butylphthalate	2200	0	2200	100		5		52	112	50
Fluoranthene	2200	650	3100	111	*	4		55	105	50
Pyrene	2200	600	2500	86		6		49	120	50
Butylbenzylphthalate	2200	0	2200	100		5		55	120	50
3,3-Dichlorobenzidine	2200	0	1100	50		0		31	111	50
Benzo(a)anthracene	2200	87	2200	96		5		60	100	50
Chrysene	2200	100	2100	91		4		51	115	50
bis(2-Ethylhexyl)phthalate	2200	0	2200	100		5		54	124	50
Di-n-octyl phthalate	2200	0	2400	109		4		53	122	50
Benzo(b)fluoranthene	2200	75	2200	97		0		42	126	50
Benzo(k)fluoranthene	2200	0	1900	86		6		43	125	50
Benzo(a)pyrene	2200	0	2100	95		5		58	102	50
Indeno(1,2,3-cd)pyrene	2200	0	2400	109		4		42	124	50
Dibenz(a,h)anthracene	2200	0	2100	95		5		41	130	50
Benzo(g,h,i)perylene	2200	0	2100	95		5		39	130	50

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	Limits High RPD
PB36887BS	Phenol	1700	1600	94		48	96
	bis(2-Chloroethyl)ether	1700	1600	94		49	96
	2-Chlorophenol	1700	1600	94	*	54	92
	Benzyl Alcohol	1700	1700	100	*	53	90
	2-Methylphenol	1700	1600	94	*	55	91
	2,2-oxybis(1-Chloropropane)	1700	1600	94		47	97
	3+4-Methylphenols	1700	1600	94	*	57	92
	N-Nitroso-di-n-propylamine	1700	1600	94		49	99
	Hexachloroethane	1700	1500	88		50	91
	Nitrobenzene	1700	1600	94	*	53	92
	Isophorone	1700	1700	100	*	55	89
	2-Nitrophenol	1700	1600	94	*	58	89
	2,4-Dimethylphenol	1700	1600	94	*	58	88
	bis(2-Chloroethoxy)methane	1700	1600	94	*	57	88
	2,4-Dichlorophenol	1700	1600	94		55	109
	Benzoic acid	1700	1200	71		27	106
	Naphthalene	1700	1600	94		34	120
	4-Chloroaniline	1700	780	46		7	68
	Hexachlorobutadiene	1700	1600	94		53	98
	4-Chloro-3-methylphenol	1700	1700	100	*	57	92
	2-Methylnaphthalene	1700	1600	94	*	59	91
	Hexachlorocyclopentadiene	3300	2700	82	*	17	73
	2,4,6-Trichlorophenol	1700	1600	94		60	99
	2,4,5-Trichlorophenol	1700	1700	100	*	56	98
	2-Chloronaphthalene	1700	1600	94		59	97
	2-Nitroaniline	1700	1700	100	*	53	96
	Dimethylphthalate	1700	1700	100		54	102
	Acenaphthylene	1700	1700	100	*	51	98
	2,6-Dinitrotoluene	1700	1700	100	*	58	97
	3-Nitroaniline	1700	1100	65		10	91
	Acenaphthene	1700	1700	100	*	52	97
	2,4-Dinitrophenol	3300	1900	58		37	93
	4-Nitrophenol	3300	3000	91		24	120
	Dibenzofuran	1700	1700	100	*	56	91
	2,4-Dinitrotoluene	1700	1800	106	*	61	101
	Diethylphthalate	1700	1700	100		55	101
	4-Chlorophenyl-phenylether	1700	1700	100	*	60	99
	Fluorene	1700	1700	100	*	52	97
	4-Nitroaniline	1700	1600	94		47	102
	4,6-Dinitro-2-methylphenol	1700	1600	94		58	107
	N-Nitrosodiphenylamine	1700	1700	100		60	101

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4726</u>

Client: HRP Associates, Inc.

							Limits	
Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	High	RPD
PB36887BS	Azobenzene	1700	1700	100	*	54	98	
	4-Bromophenyl-phenylether	1700	1700	100		62	101	
	Hexachlorobenzene	1700	1700	100		59	101	
	Pentachlorophenol	3300	2900	88		32	102	
	Phenanthrene	1700	1700	100		55	106	
	Anthracene	1700	1700	100		55	103	
	Di-n-butylphthalate	1700	1700	100		60	106	
	Fluoranthene	1700	1700	100		54	104	
	Pyrene	1700	1700	100		53	103	
	Butylbenzylphthalate	1700	1700	100		56	103	
	3,3-Dichlorobenzidine	1700	1200	71		28	101	
	Benzo(a)anthracene	1700	1600	94		58	100	
	Chrysene	1700	1700	100		53	103	
	bis(2-Ethylhexyl)phthalate	1700	1700	100		51	115	
	Di-n-octyl phthalate	1700	1800	106		54	106	
	Benzo(b)fluoranthene	1700	1700	100		49	104	
	Benzo(k)fluoranthene	1700	1700	100		47	119	
	Benzo(a)pyrene	1700	1700	100		53	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	94		35	112	
	Dibenz(a,h)anthracene	1700	1700	100		44	108	
	Benzo(g,h,i)perylene	1700	1700	100		40	106	

#### SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG NO.: Z4726

Lab File ID: BF023179.D Lab Sample ID: PB36887B

Instrument ID: BNAF Date Extracted: 9/30/2008

Matrix: (soil/water) SOIL Date Analyzed: 10/2/2008

Level: (low/med) LOW Time Analyzed: 18:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1 SLCS01	PB36887BS	BF023180.D	10/2/2008
2 B-22	Z4726-04	BF023184.D	10/2/2008
3 B-24	Z4726-06	BF023191.D	10/3/2008
4 SW-15	Z4726-01	BF023192.D	10/3/2008
5 B-21	Z4726-03	BF023196.D	10/3/2008
6 SW-16	Z4726-02	BF023197.D	10/3/2008
7 B-24MS	Z4726-07MS	BF023199.D	10/3/2008
8 B-24MSD	Z4726-08MSD	BF023200.D	10/3/2008
9 B-25	Z4726-09	BF023287.D	10/6/2008
0 B-23	Z4726-05	BF023288.D	10/6/2008
1 B-22DL	Z4726-04DL	BF023289.D	10/6/2008
2 B-24DL	Z4726-06DL	BF023290.D	10/6/2008
3 SW-16DL	Z4726-02DL	BF023291.D	10/6/2008

COMMENTS:			

EPA SAMPLE NO.

SBLK01

ab Name: <u>Chemtech Co</u>	onsulting Group Contract	: HRPA02		
ab Code: CHEM	Case No.: Z4726 SAS No.:	Z4726	SDG No.:	Z4726
atrix (soil/water):	SOIL Lab Samp	le ID: PB36	5887B	
ample wt/vol: 30.	) (g/mL) g Lab File	ID: BF02	23179.D	
evel: (low/med)		eived:		-
Moisture: 0	Decanted: (Y/N) N Date Ext	racted: (	9/30/2008	
<u> </u>	<u> </u>	-		
oncentrated Extract Vo	lume: 1000 (uL) Date Ana	lyzed:	L0/2/2008	
njection Volume:	1.0 Dilution	Factor:	1.0	_
PC Cleanup: (Y/N)	N pH: Extracti	on: (Type)	SOXH	
	CONCENT	RATION UNITS:	:	
CAS NO.	COMPOUND (ug/L	or ug/Kg) ug	g/Kg	Q
108-95-2	Phenol		330	U
111-44-4	bis(2-Chloroethyl)ether		330	U
95-57-8	2-Chlorophenol		330	U
100-51-6	Benzyl Alcohol		330	U
95-48-7	2-Methylphenol		330	U
108-60-1	2,2-oxybis(1-Chloropropane)		330	U
106-44-5	3+4-Methylphenols		330	Ū
621-64-7	N-Nitroso-di-n-propylamine		330	U
67-72-1	Hexachloroethane		330	U
98-95-3	Nitrobenzene		330	Ū
78-59-1	Isophorone		330	U
88-75-5	2-Nitrophenol	l l	330	U
105-67-9	2,4-Dimethylphenol	<u> </u>	330	U
111-91-1	bis(2-Chloroethoxy)methane	<u> </u>	330	U
120-83-2	2,4-Dichlorophenol		330	U
65-85-0	Benzoic acid		330	U
				Ū
91-20-3	Naphthalene		330	
106-47-8	4-Chloroaniline	<u> </u>	330	Ŭ
87-68-3	Hexachlorobutadiene		330	Ŭ 
59-50-7	4-Chloro-3-methylphenol		330	Ŭ
91-57-6	2-Methylnaphthalene		71	J
77-47-4	Hexachlorocyclopentadiene		330	Ŭ
88-06-2	2,4,6-Trichlorophenol		330	U
95-95-4	2,4,5-Trichlorophenol		830	U
91-58-7	2-Chloronaphthalene		330	U
88-74-4	2-Nitroaniline		830	U
131-11-3	Dimethylphthalate		330	U
208-96-8	Acenaphthylene		78	J
606-20-2	2,6-Dinitrotoluene		330	U
99-09-2	3-Nitroaniline		830	U
83-32-9	Acenaphthene		330	U
51-28-5	2,4-Dinitrophenol		830	U

EPA SAMPLE NO.

SBLK01

Lab Name: Chemtech Co	onsulting Group	Contract	: HRPA02		
Lab Code: CHEM	Case No.: <u>Z4726</u> S	As No.:	Z4726	SDG No.	Z4726
<pre>Matrix (soil/water):</pre>	SOIL	Lab Samp	le ID: PB3	6887B	
Sample wt/vol: 30.0	) (g/mL) g	Lab File	ID: BF0	23179.D	
Level: (low/med)		Date Rec	eived:		
% Moisture: 0	Decanted: (Y/N) N	Date Ext	racted:	9/30/2008	
Concentrated Extract Vo	lume: 1000 (uL)	Date Ana	lyzed:	10/2/2008	_
Injection Volume:	1.0	Dilution	Factor:	1.0	•
GPC Cleanup: (Y/N)	N pH:	Extraction	on: (Type)	SOXH	_
	<del></del>	CONCENT	RATION UNITS	:	
CAS NO.	COMPOUND	(ug/L c	or ug/Kg) u	g/Kg	Q
100-02-7	4-Nitrophenol		<del>-</del>	830	U
132-64-9	Dibenzofuran			330	U
121-14-2	2,4-Dinitrotoluene		<u> </u>	330	U
84-66-2	Diethylphthalate			330	U
7005-72-3	4-Chlorophenyl-phenyleth	or	1	330	U
86-73-7	Fluorene	<u> </u>		72	J
100-01-6	4-Nitroaniline			830	U
534-52-1	4,6-Dinitro-2-methylphen	01	1	830	U
86-30-6	N-Nitrosodiphenylamine	<u> </u>		330	U
103-33-3	Azobenzene			330	U
101-55-3	4-Bromophenyl-phenylethe	r		330	U
118-74-1	Hexachlorobenzene	<u> </u>	<u> </u>	330	U
87-86-5	Pentachlorophenol		<u> </u>	830	U
85-01-8	Phenanthrene		<u> </u>	230	
			Ī		J
120-12-7	Anthracene			64	J
84-74-2	Di-n-butylphthalate			330	Ŭ
206-44-0	Fluoranthene		ļ	69	J
129-00-0	Pyrene		ļ	120	J
85-68-7	Butylbenzylphthalate			330	ΰ
91-94-1	3,3-Dichlorobenzidine			330	υ
56-55-3	Benzo(a)anthracene			41	J
218-01-9	Chrysene		<u> </u>	37	J
117-81-7	bis(2-Ethylhexyl)phthala	te		330	ΰ
117-84-0	Di-n-octyl phthalate			330	U
205-99-2	Benzo(b)fluoranthene			330	υ
207-08-9	Benzo(k)fluoranthene			330	υ
50-32-8	Benzo(a)pyrene			330	υ
193-39-5	<pre>Indeno(1,2,3-cd)pyrene</pre>			330	ΰ
53-70-3	Dibenz(a,h)anthracene			330	υ
191-24-2	Benzo(g,h,i)perylene			330	U

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG NO.: Z4726

EPA Sample No.: SSTD040 Date Analyzed: 10/2/2008

Lab File ID: BF023177.D Time Analyzed: 17:32

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	141535	5.07	537572	6.52	275223	8.65
	UPPER LIMIT	283070	5.57	1075144	7.02	550446	9.15
	LOWER LIMIT	70768	4.57	268786	6.02	137612	8.15
	EPA SAMPLE NO.						
01	SBLK01	139182	5.07	534942	6.52	282251	8.65
02	SLCS01	126837	5.07	482004	6.52	249026	8.65
03	B-22	117274	5.07	346463	6.53	160102	8.68
04	B-24	126386	5.07	407387	6.53	184976	8.67
05	SW-15	136589	5.07	495993	6.53	244337	8.66
06	B-21	162390	5.07	600362	6.53	302440	8.66
07	SW-16	154627	5.07	563442	6.53	295807	8.66
80	B-24MS	137315	5.07	448767	6.53	204706	8.68
09	B-24MSD	142233	5.07	458663	6.53	199338	8.68

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG No.: Z4726

EPA Sample No.: SSTD040 Date Analyzed: 10/2/2008

Lab File ID: BF023177.D Time Analyzed: 17:32

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	406456	10.47	450368	13.73	395277	15.76
	UPPER LIMIT	812912	10.97	900736	14.23	790554	16.26
	LOWER LIMIT	203228	9.97	225184	13.23	197639	15.26
	EPA SAMPLE NO.						
01	SBLK01	408541	10.47	394823	13.73	330816	15.76
02	SLCS01	367412	10.47	390761	13.73	336648	15.76
03	B-22	283471	10.51	396288	13.74	368227	15.76
04	B-24	313448	10.50	420587	13.74	394350	15.77
05	SW-15	358992	10.49	412328	13.73	381680	15.76
06	B-21	454114	10.49	513763	13.73	484417	15.76
07	SW-16	433918	10.49	509248	13.73	480489	15.76
08	B-24MS	336099	10.51	446816	13.74	438964	15.77
09	B-24MSD	349636	10.51	460924	13.74	448895	15.77

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG NO.: Z4726

EPA Sample No.: SSTD080 Date Analyzed: 10/6/2008

Lab File ID: BF023277.D Time Analyzed: 14:17

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
ŀ	12 HOUR STD	158364	5.02	643307	6.47	320657	8.60
	UPPER LIMIT	316728	5.52	1286614	6.97	641314	9.10
	LOWER LIMIT	79182	4.52	321654	5.97	160329	8.10
	EPA SAMPLE NO.						
01	B-25	134720	5.03	572805	6.47	272280	8.61
02	B-23	139243	5.03	602487	6.47	292324	8.61
03	B-22DL	122206	5.03	507039	6.47	247409	8.61
04	B-24DL	123966	5.03	530509	6.47	261840	8.61
05	SW-16DL	121397	5.03	562972	6.47	295872	8.61

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4726 SAS No.: Z4726 SDG No.: Z4726

EPA Sample No.: SSTD080 Date Analyzed: 10/6/2008

Lab File ID: BF023277.D Time Analyzed: 14:17

Instrument ID: BNAF GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
ŀ	12 HOUR STD	490904	10.44	450848	13.70	406199	15.72
	UPPER LIMIT	981808	10.94	901696	14.20	812398	16.22
	LOWER LIMIT	245452	9.94	225424	13.20	203100	15.22
	EPA SAMPLE NO.						
01	B-25	420839	10.45	415420	13.71	353184	15.73
02	B-23	465716	10.45	467532	13.71	409777	15.73
03	B-22DL	382642	10.45	384077	13.72	339909	15.73
04	B-24DL	402288	10.45	404138	13.72	357679	15.73
05	SW-16DL	435406	10.45	439008	13.71	384025	15.73

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

for all compounds	using Linear Regre	ession when	the %RSD	value for a	compound is >
15% for the Initial	Calibration curve	for SW-846	analysis.		

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

a.			
Signature_			
DISHALAIC_	 	 	 



# **CASE NARRATIVE**

HRP Associates, Inc.

**Project Name: Mechanicville ERP site** 

Project # N/A

**Chemtech Project # Z4859** 

## A. Number of Samples and Date of Receipt:

6 Solid samples were received on 10/7/08.

#### **B.** Parameters

According to the Chain of Custody document, the following analyses were requested: 8260 Stars List Volatiles soil, and Semivolatiles Chemtech 8270 List. This data package contains results for Semivolatiles Chemtech 8270 List.

### C. Analytical Techniques:

The samples were analyzed on instrument BNA E using GC Column RTX-5 SILMS which is 20 meters, 0.18 mm ID, 0.36 um df, Catalog # 42704. The method of analysis was 8270 and extraction method is 3541.

### D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for B-27, B-28, B-29 and B-

30. As the recovery of surrogates is on higher side, no re-extraction was performed.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for bis(2-

Chloroethyl)ether, Hexachloroethane, 3+4-Methylphenols, Benzoic acid, 2,4,5-

Trichlorophenol, 2-Nitroaniline, 2,4-Dinitrophenol, Dibenzofuran, 4-Nitrophenol, 2,4-

Dinitrotoluene, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine,

Benzo(a)anthracene, Di-n-octyl phthalate and Benzo(a)pyrene.

The MSD recoveries met the acceptable requirements except for Phenol, bis(2-

Chloroethyl)ether, 2,2-oxybis(1-Chloropropane), 2-Methylphenol, Hexachloroethane,

3+4-Methylphenols, Isophorone, Benzoic acid, 4-Chloroaniline, 2-Nitroaniline,

Acenaphthylene, 3-Nitroaniline, 2,4-Dinitrophenol, Fluorene, Azobenzene, 4,6-Dinitro-2-methylphenol, N-Nitrosodiphenylamine, Phenanthrene, Anthracene, Di-n-butylphthalate,

Fluoranthene, Pyrene, Benzo(a)anthracene, Di-n-octyl phthalate and Benzo(a)pyrene.

The RPD recoveries met criteria except for 2-Methylphenol, Hexachloroethane, 4-Chloroaniline and Phenanthrene.

The Blank Spike met requirements for all samples except for 2-Chlorophenol, bis(2-Chloroethyl)ether, Benzyl Alcohol, 2,2-oxybis(1-Chloropropane), 2-Methylphenol, Hexachloroethane, 3+4-Methylphenols, Nitrobenzene, Isophorone, 2-Nitrophenol, 2,4-Dimethylphenol, bis(2-Chloroethoxy)methane, 4-Chloro-3-methylphenol, 2-

Methylnaphthalene, Hexachlorocyclopentadiene, 2,4,6-Trichlorophenol, 2,4,5-

Trichlorophenol, 2-Chloronaphthalene, 2-Nitroaniline, Acenaphthylene, Acenaphthene,

Dibenzofuran, Fluorene, Azobenzene, Butylbenzylphthalate, Di-n-octyl phthalate, Benzo(b)fluoranthene, Dibenz(a,h)anthracene and Benzo(g,h,i)perylene. The recovery of most of these compounds was between 90 to 110%.

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

The Calibration met the requirements.

The Tuning criteria met requirements.

### **E. Additional Comments:**

Samples B-DUP, B-26, B-27, B-28, B-29, B-30, B-26MS and B-26MSD were diluted due to bad matrices.

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

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

~ .			
Signature_			
Signature			

EPA SAMPLE NO.

HRPA02

B-DUP

\_\_\_\_\_\_

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859

Matrix (soil/water): SOIL Lab Sample ID: Z4859-01

Lab Name:

Chemtech

Sample wt/vol: 4.0 (g/mL) g Lab File ID: VH024530.D

Level (low/med): MED Date Received: 10/7/08
% Moisture: not dec. 30 Date Analyzed: 10/9/08

<del>-----</del>

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

#### CONCENTRATION UNITS:

Contract:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	4500	U
71-43-2	Benzene	4500	ט
108-88-3	Toluene	4500	บ
100-41-4	Ethyl Benzene	4500	U
126777-61-2	m&p-Xylenes	8900	Ŭ
95-47-6	o-Xylene	4500	U
98-82-8	Isopropylbenzene	3700	J
103-65-1	n-propylbenzene	8300	
108-67-8	1,3,5-Trimethylbenzene	4500	U
98-06-6	tert-Butylbenzene	4500	U
95-63-6	1,2,4-Trimethylbenzene	71000	
135-98-8	Sec-butylbenzene	8200	
99-87-6	p-Isopropyltoluene	4500	U
104-51-8	n-Butylbenzene	12000	
91-20-3	Naphthalene	4500	U

EPA SAMPLE NO.

B-26

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	CHEM	Case No.:	Z4859	SAS No.:	Z4859	SDG No.:	<b>Z4859</b>
Matrix (soil/	water):	SOIL		Lab Sample ID:	<u>z4859-02</u>		
Sample wt/vol	: 4.0	(g/mL) g	_	Lab File ID:	VH024664.	.D	
Level (low/me	d):	MED		Date Received:	10/7/08		
% Moisture: n	ot dec.	24		Date Analyzed:	10/13/08	•	
GC Column:	RTX-VMS	ID: 0.18	(mm)	Dilution Factor	: 1.	0	
Soil Extract	Volume:	10000 (1	ıL)	Soil Aliquot Vo	lume:	100 (	uL)

### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg	() ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	820	υ
71-43-2	Benzene	820	υ
108-88-3	Toluene	820	υ
100-41-4	Ethyl Benzene	820	υ
126777-61-2	m&p-Xylenes	1600	υ
95-47-6	o-Xylene	820	υ
98-82-8	Isopropylbenzene	1000	
103-65-1	n-propylbenzene	2500	
108-67-8	1,3,5-Trimethylbenzene	820	υ
98-06-6	tert-Butylbenzene	820	υ
95-63-6	1,2,4-Trimethylbenzene	2300	
135-98-8	Sec-butylbenzene	2400	
99-87-6	p-Isopropyltoluene	820	υ
104-51-8	n-Butylbenzene	3800	
91-20-3	Naphthalene	820	υ

EPA SAMPLE NO.

Lab Name: Chemtech Contract: HRPA02 Lab Code: Z4859 SAS No.: CHEM Case No.: Z4859 SDG No.: Z4859 Lab Sample ID: Matrix (soil/water): Z4859-03 SOIL (g/mL) Lab File ID: 4.0 VH024535.D Sample wt/vol: g Level (low/med): Date Received: MED 10/7/08 % Moisture: not dec. 22 Date Analyzed: 10/9/08 GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0 Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	800	U
71-43-2	Benzene	800	U
108-88-3	Toluene	800	U
100-41-4	Ethyl Benzene	800	U
126777-61-2	m&p-Xylenes	1600	U
95-47-6	o-Xylene	800	U
98-82-8	Isopropylbenzene	2600	
103-65-1	n-propylbenzene	5700	
108-67-8	1,3,5-Trimethylbenzene	800	U
98-06-6	tert-Butylbenzene	800	υ
95-63-6	1,2,4-Trimethylbenzene	45000	E
135-98-8	Sec-butylbenzene	6500	
99-87-6	p-Isopropyltoluene	800	υ
104-51-8	n-Butylbenzene	800	Ū
91-20-3	Naphthalene	800	U

EPA SAMPLE NO.

B-27DL

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859

Matrix (soil/water): SOIL Lab Sample ID: Z4859-03DL

Sample wt/vol: 4.0 (g/mL) g Lab File ID: VH024665.D

Level (low/med): MED Date Received: 10/7/08
% Moisture: not dec. 22 Date Analyzed: 10/13/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 5.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	4000	Ū
71-43-2	Benzene	4000	Ū
108-88-3	Toluene	4000	υ
100-41-4	Ethyl Benzene	4000	Ū
126777-61-2	m&p-Xylenes	8000	υ
95-47-6	o-Xylene	4000	Ū
98-82-8	Isopropylbenzene	2800	JD
103-65-1	n-propylbenzene	6200	D
108-67-8	1,3,5-Trimethylbenzene	4000	υ
98-06-6	tert-Butylbenzene	4000	U
95-63-6	1,2,4-Trimethylbenzene	48000	D
135-98-8	Sec-butylbenzene	6100	D
99-87-6	p-Isopropyltoluene	4000	Ū
104-51-8	n-Butylbenzene	4000	Ŭ
91-20-3	Naphthalene	4000	Ŭ

EPA SAMPLE NO.

100

B-28

(uL)

Lab Name: Chemtech Contract: HRPA02 Lab Code: Z4859 SAS No.: CHEM Case No.: Z4859 SDG No.: Z4859 Lab Sample ID: Matrix (soil/water): Z4859-04 SOIL (g/mL) Lab File ID: 4.0 VH024534.D Sample wt/vol: g Level (low/med): Date Received: MED 10/7/08 % Moisture: not dec. 19 Date Analyzed: 10/9/08 GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

10000 (uL)

Soil Extract Volume:

#### CONCENTRATION UNITS:

Soil Aliquot Volume:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	770	Ū
71-43-2	Benzene	770	Ū
108-88-3	Toluene	770	Ū
100-41-4	Ethyl Benzene	770	Ū
126777-61-2	m&p-Xylenes	1500	Ū
95-47-6	o-Xylene	770	Ū
98-82-8	Isopropylbenzene	770	Ū
103-65-1	n-propylbenzene	770	Ū
108-67-8	1,3,5-Trimethylbenzene	770	Ū
98-06-6	tert-Butylbenzene	770	Ū
95-63-6	1,2,4-Trimethylbenzene	1000	
135-98-8	Sec-butylbenzene	770	Ū
99-87-6	p-Isopropyltoluene	770	Ū
104-51-8	n-Butylbenzene	770	Ū
91-20-3	Naphthalene	770	Ū

EPA SAMPLE NO.

HRPA02

B-29

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859

Matrix (soil/water): SOIL Lab Sample ID: Z4859-05

Lab Name:

Chemtech

Sample wt/vol: 4.0 (g/mL) g Lab File ID: VH024533.D

Level (low/med): MED Date Received: 10/7/08
% Moisture: not dec. 18 Date Analyzed: 10/9/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

#### CONCENTRATION UNITS:

Contract:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	760	Ū
71-43-2	Benzene	760	U
108-88-3	Toluene	760	Ū
100-41-4	Ethyl Benzene	760	U
126777-61-2	m&p-Xylenes	1500	U
95-47-6	o-Xylene	760	U
98-82-8	Isopropylbenzene	1500	
103-65-1	n-propylbenzene	3300	
108-67-8	1,3,5-Trimethylbenzene	760	U
98-06-6	tert-Butylbenzene	760	U
95-63-6	1,2,4-Trimethylbenzene	760	U
135-98-8	Sec-butylbenzene	3200	
99-87-6	p-Isopropyltoluene	760	U
104-51-8	n-Butylbenzene	4600	
91-20-3	Naphthalene	760	U

EPA SAMPLE NO.

100

(uL)

B-30

Lab Name: Contract: HRPA02 Chemtech Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859 Matrix (soil/water): Lab Sample ID: Z4859-06 SOIL Lab File ID: 4.0 (g/mL) g VH024532.D Sample wt/vol: Date Received: 10/7/08 Level (low/med): MED % Moisture: not dec. 25 Date Analyzed: 10/9/08 GC Column: ID: 0.18 Dilution Factor: RTX-VMS (mm) 1.0

10000 (uL)

Soil Extract Volume:

#### CONCENTRATION UNITS:

Soil Aliquot Volume:

CAS No.	Compound (ug/L or ug/Kg)	ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	830	Ū
71-43-2	Benzene	830	υ
108-88-3	Toluene	830	υ
100-41-4	Ethyl Benzene	830	υ
126777-61-2	m&p-Xylenes	1700	υ
95-47-6	o-Xylene	830	υ
98-82-8	Isopropylbenzene	620	J
103-65-1	n-propylbenzene	1400	
108-67-8	1,3,5-Trimethylbenzene	830	υ
98-06-6	tert-Butylbenzene	830	υ
95-63-6	1,2,4-Trimethylbenzene	830	υ
135-98-8	Sec-butylbenzene	1900	
99-87-6	p-Isopropyltoluene	830	υ
104-51-8	n-Butylbenzene	3000	
91-20-3	Naphthalene	830	υ

## Summary Sheet SW-846

SDG No.: Z4859 Order ID: Z4859

Client: HRP Associates, Inc. Project ID: HRPA02

Chent.	TIKI Associates, Inc.							
Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	B-26							
Z4859-02	B-26	SOIL	Isopropylbenzene	1000		820	61	ug/Kg
Z4859-02	B-26	SOIL	n-propylbenzene	2500		820	46	ug/Kg
Z4859-02	B-26	SOIL	1,2,4-Trimethylbenzene	2300		820	53	ug/Kg
Z4859-02	B-26	SOIL	Sec-butylbenzene	2400		820	43	ug/Kg
Z4859-02	B-26	SOIL	n-Butylbenzene	3800		820	48	ug/Kg
			Total VOC's:	12000.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	12000.00				
Client ID:	B-27							
Z4859-03	B-27	SOIL	Isopropylbenzene	2600		800	59	ug/Kg
Z4859-03	B-27	SOIL	n-propylbenzene	5700		800	45	ug/Kg
Z4859-03	B-27	SOIL	1,2,4-Trimethylbenzene	45000	E	800	51	ug/Kg
Z4859-03	B-27	SOIL	Sec-butylbenzene	6500		800	42	ug/Kg
			Total VOC's:	59800.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	59800.00				
Client ID:	B-27DL							
Z4859-03DL	B-27DL	SOIL	Isopropylbenzene	2800	JD	4000	300	ug/Kg
Z4859-03DL	B-27DL	SOIL	n-propylbenzene	6200	D	4000	220	ug/Kg
Z4859-03DL	B-27DL	SOIL	1,2,4-Trimethylbenzene	48000	D	4000	260	ug/Kg
Z4859-03DL	B-27DL	SOIL	Sec-butylbenzene	6100	D	4000	210	ug/Kg
			Total VOC's:	63100.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	63100.00				
Client ID:	B-28							
Z4859-04	B-28	SOIL	1,2,4-Trimethylbenzene	1000		770	49	ug/Kg
			Total VOC's:	1000.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	1000.00				
Client ID:	B-29							
Z4859-05	B-29	SOIL	Isopropylbenzene	1500		760	56	ug/Kg
Z4859-05	B-29	SOIL	n-propylbenzene	3300		760	43	ug/Kg
Z4859-05	B-29	SOIL	Sec-butylbenzene	3200		760	40	ug/Kg
Z4859-05	B-29	SOIL	n-Butylbenzene	4600		760	44	ug/Kg
			Total VOC's:	12600.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	12600.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

## Summary Sheet SW-846

SDG No.: Z4859 Order ID: Z4859

Client: HRP Associates, Inc. Project ID: HRPA02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	B-30							
Z4859-06	B-30	SOIL	Isopropylbenzene	620	J	830	62	ug/Kg
Z4859-06	B-30	SOIL	n-propylbenzene	1400		830	47	ug/Kg
Z4859-06	B-30	SOIL	Sec-butylbenzene	1900		830	43	ug/Kg
Z4859-06	B-30	SOIL	n-Butylbenzene	3000		830	48	ug/Kg
			Total VOC's:	6920.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	6920.00				
Client ID:	B-DUP							
Z4859-01	B-DUP	SOIL	Isopropylbenzene	3700	J	4500	330	ug/Kg
Z4859-01	B-DUP	SOIL	n-propylbenzene	8300		4500	250	ug/Kg
Z4859-01	B-DUP	SOIL	1,2,4-Trimethylbenzene	71000	)0		290	ug/Kg
Z4859-01	B-DUP	SOIL	Sec-butylbenzene	8200		4500	230	ug/Kg
Z4859-01	B-DUP	SOIL	n-Butylbenzene	12000		4500	260	ug/Kg
			Total VOC's:	103200.00				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	103200.00				

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

# Surrogate Summary SW-846

SDG No.: <u>Z4859</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

							Limits	
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
BSH1008M2	VLCS01	1,2-Dichloroethane-d4	50	48.79	98		54.00	142.00
		Dibromofluoromethane	50	47.16	94		54.00	141.00
		Toluene-d8	50	49.72	99		63.00	124.00
		4-Bromofluorobenzene	50	48.88	98		50.00	133.00
BSH1013M2	VLCS02	1,2-Dichloroethane-d4	50	52.77	106		54.00	142.00
		Dibromofluoromethane	50	50.61	101		54.00	141.00
		Toluene-d8	50	51.52	103		63.00	124.00
		4-Bromofluorobenzene	50	51.31	103		50.00	133.00
VBH1008M2	VBLK01	1,2-Dichloroethane-d4	50	44.96	90		54.00	142.00
		Dibromofluoromethane	50	47.53	95		54.00	141.00
		Toluene-d8	50	50.2	100		63.00	124.00
		4-Bromofluorobenzene	50	48.17	96		50.00	133.00
VBH1013M1	VBLK02	1,2-Dichloroethane-d4	50	47.47	95		54.00	142.00
		Dibromofluoromethane	50	49.3	99		54.00	141.00
		Toluene-d8	50	49.4	99		63.00	124.00
		4-Bromofluorobenzene	50	49.64	99		50.00	133.00
Z4851-10MS	Z4851-10MS	1,2-Dichloroethane-d4	50	70.72	141		54.00	142.00
		Dibromofluoromethane	50	57.84	116		54.00	141.00
		Toluene-d8	50	51.52	103		63.00	124.00
		4-Bromofluorobenzene	50	59.84	120		50.00	133.00
Z4851-11MSD	Z4851-11MSD	1,2-Dichloroethane-d4	50	64.07	128		54.00	142.00
		Dibromofluoromethane	50	55.48	111		54.00	141.00
		Toluene-d8	50	48.78	98		63.00	124.00
		4-Bromofluorobenzene	50	57.13	114		50.00	133.00
Z4859-01	B-DUP	1,2-Dichloroethane-d4	50	296.3	119		54.00	142.00
		Dibromofluoromethane	50	280.45	112		54.00	141.00
		Toluene-d8	50	256.45	103		63.00	124.00
		4-Bromofluorobenzene	50	304.9	122		50.00	133.00
Z4859-02	B-26	1,2-Dichloroethane-d4	50	49.81	100		54.00	142.00
		Dibromofluoromethane	50	52.8	106		54.00	141.00
		Toluene-d8	50	53.33	107		63.00	124.00
		4-Bromofluorobenzene	50	60.06	120		50.00	133.00
Z4859-03	B-27	1,2-Dichloroethane-d4	50	55.16	110		54.00	142.00
		Dibromofluoromethane	50	55.9	112		54.00	141.00
		Toluene-d8	50	55.61	111		63.00	124.00
		4-Bromofluorobenzene	50	72.35	145 *		50.00	133.00
Z4859-03DL	B-27DL	1,2-Dichloroethane-d4	50	247.8	99		54.00	142.00
		Dibromofluoromethane	50	243.8	98		54.00	141.00
		Toluene-d8	50	260.6	104		63.00	124.00
		4-Bromofluorobenzene	50	264.4	106		50.00	133.00
Z4859-04	B-28	1,2-Dichloroethane-d4	50	50.38	101		54.00	142.00

## Surrogate Summary SW-846

SDG No.: <u>Z4859</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

							Limits	
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4859-04	B-28	Dibromofluoromethane	50	53.49	107		54.00	141.00
		Toluene-d8	50	53.25	107		63.00	124.00
		4-Bromofluorobenzene	50	54.63	109		50.00	133.00
Z4859-05	B-29	1,2-Dichloroethane-d4	50	55.78	112		54.00	142.00
		Dibromofluoromethane	50	57.71	115		54.00	141.00
		Toluene-d8	50	55.12	110		63.00	124.00
		4-Bromofluorobenzene	50	65.25	131		50.00	133.00
Z4859-06	B-30	1,2-Dichloroethane-d4	50	50.23	100		54.00	142.00
		Dibromofluoromethane	50	52.28	105		54.00	141.00
		Toluene-d8	50	51.86	104		63.00	124.00
		4-Bromofluorobenzene	50	59.91	120		50.00	133.00

# Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: Z4859

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Low	Limits High	RPD
Client Sample ID:	Z4851-10MS									
Z4851-10MS	Methyl tert-butyl Ether	3411	0.0	6000	176		*	74	149	
	Benzene	3411	0.0	3900	114			83	135	
	Toluene	3411	0.0	4000	117			79	140	
	Ethyl Benzene	3411	0.0	3900	114			82	139	
	m&p-Xylenes	6821	0.0	7800	114			81	143	
	o-Xylene	3411	0.0	4000	117			79	144	
	Isopropylbenzene	3411	0.0	3500	103			80	145	
	n-propylbenzene	3411	0.0	3700	108			74	160	
	1,3,5-Trimethylbenzene	3411	0.0	3700	108			78	151	
	tert-Butylbenzene	3411	0.0	3600	106			75	148	
	1,2,4-Trimethylbenzene	3411	0.0	3900	114			78	148	
	Sec-butylbenzene	3411	0.0	3800	111			81	147	
	p-Isopropyltoluene	3411	0.0	3800	111			75	151	
	n-Butylbenzene	3411	0.0	3800	111			81	154	
	Naphthalene	3411	0.0	3100	91			64	161	
Client Sample ID:	Z4851-11MSD									
Z4851-11MSD	Methyl tert-butyl Ether	3121	0.0	4400	141	22	*	74	149	20
	Benzene	3121	0.0	2900	93	20		83	135	20
	Toluene	3121	0.0	2900	93	23	*	79	140	20
	Ethyl Benzene	3121	0.0	2900	93	20		82	139	20
	m&p-Xylenes	6242	0.0	5900	95	18		81	143	20
	o-Xylene	3121	0.0	3100	99	17		79	144	20
	Isopropylbenzene	3121	0.0	2500	80	25	*	80	145	20
	n-propylbenzene	3121	0.0	2700	87	22	*	74	160	20
	1,3,5-Trimethylbenzene	3121	0.0	2800	90	18		78	151	20
	tert-Butylbenzene	3121	0.0	2700	87	20		75	148	20
	1,2,4-Trimethylbenzene	3121	0.0	2900	93	20		78	148	20
	Sec-butylbenzene	3121	0.0	2800	90	21	*	81	147	20
	p-Isopropyltoluene	3121	0.0	2800	90	21	*	75	151	20
	n-Butylbenzene	3121	0.0	2900	93	18		81	154	20
	Naphthalene	3121	0.0	2700	87	4		64	161	20

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4859</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260 - MED

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual l	Low	Limits High	RPD
BSH1008M2	Methyl tert-butyl Ether	2000	2100	105		74	145	
	Benzene	2000	2100	105		81	118	
	Toluene	2000	2100	105		81	115	
	Ethyl Benzene	2000	2000	100		80	113	
	m&p-Xylenes	4000	4000	100		80	115	
	o-Xylene	2000	2100	105		83	115	
	Isopropylbenzene	2000	2000	100		81	118	
	n-propylbenzene	2000	2000	100		81	116	
	1,3,5-Trimethylbenzene	2000	2000	100		81	116	
	tert-Butylbenzene	2000	1800	90		73	117	
	1,2,4-Trimethylbenzene	2000	2100	105		82	114	
	Sec-butylbenzene	2000	2000	100		80	115	
	p-Isopropyltoluene	2000	2000	100		78	112	
	n-Butylbenzene	2000	2000	100		75	116	
	Naphthalene	2000	2000	100		78	122	
BSH1013M2	Methyl tert-butyl Ether	2000	2200	110		74	145	
	Benzene	2000	1900	95		81	118	
	Toluene	2000	2000	100		81	115	
	Ethyl Benzene	2000	1900	95		80	113	
	m&p-Xylenes	4000	3900	98		80	115	
	o-Xylene	2000	2000	100		83	115	
	Isopropylbenzene	2000	1900	95		81	118	
	n-propylbenzene	2000	1900	95		81	116	
	1,3,5-Trimethylbenzene	2000	1800	90		81	116	
	tert-Butylbenzene	2000	1800	90		73	117	
	1,2,4-Trimethylbenzene	2000	1900	95		82	114	
	Sec-butylbenzene	2000	1800	90		80	115	
	p-Isopropyltoluene	2000	1800	90		78	112	
	n-Butylbenzene	2000	1800	90		75	116	
	Naphthalene	2000	1700	85		78	122	

## 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG NO.: Z4859

Lab File ID: VH024514.D Lab Sample ID: VBH1008M2

Date Analyzed: 10/9/2008 Time Analyzed: 05:37

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSH1008M2	VH024516.D	06:34
B-DUP	Z4859-01	VH024530.D	13:14
B-30	Z4859-06	VH024532.D	14:11
B-29	Z4859-05	VH024533.D	14:39
B-28	Z4859-04	VH024534.D	15:08
B-27	Z4859-03	VH024535.D	15:37

COMMENTS:		

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK01	L

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	CHEM	Case No.:	Z4859	SAS No.:	Z4859	SDG No.:	Z4859
Matrix (soil	./water):	SOIL		Lab Sample ID:	VBH1008M	2	_
Sample wt/vc	5.0	(g/mL) g		Lab File ID:	VH024514	.D	
Level (low/m	ned):	MED		Date Received:			
% Moisture:	not dec.	0		Date Analyzed:	10/9/08	_	
GC Column:	RTX-VMS	ID: 0.1	8 (mm)	Dilution Factor	: 1.	.0	
Soil Extract	: Volume:	10000	(uL)	Soil Aliquot Vo	lume:	100 (	uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/Kg	) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	500	Ū
71-43-2	Benzene	500	υ
108-88-3	Toluene	500	υ
100-41-4	Ethyl Benzene	500	υ
126777-61-2	m&p-Xylenes	1000	υ
95-47-6	o-Xylene	500	υ
98-82-8	Isopropylbenzene	500	υ
103-65-1	n-propylbenzene	500	υ
108-67-8	1,3,5-Trimethylbenzene	500	υ
98-06-6	tert-Butylbenzene	500	υ
95-63-6	1,2,4-Trimethylbenzene	500	υ
135-98-8	Sec-butylbenzene	500	υ
99-87-6	p-Isopropyltoluene	500	υ
104-51-8	n-Butylbenzene	500	υ
91-20-3	Naphthalene	500	υ

## 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG NO.: Z4859

Lab File ID: VH024646.D Lab Sample ID: VBH1013M1

Date Analyzed: 10/13/2008 Time Analyzed: 11:11

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
Z4851-10MS	Z4851-10MS	VH024649.D	12:36
Z4851-11MSD	Z4851-11MSD	VH024650.D	13:05
VLCS02	BSH1013M2	VH024663.D	19:16
B-26	Z4859-02	VH024664.D	19:45
B-27DL	Z4859-03DL	VH024665.D	20:13

COMMENTS:		

Form IV VOA VOC-STARS

EPA SAMPLE NO.

VBLK02	

Lab Name:	Chemtech			Contract:	HRPA02		
Lab Code:	CHEM	Case No.:	<b>Z4859</b>	SAS No.:	Z4859	SDG No.:	Z4859
Matrix (soil	/water):	SOIL		Lab Sample ID:	<u>VBH1013M1</u>		
Sample wt/vo	1: 5.0	(g/mL) g		Lab File ID:	VH024646	.D	
Level (low/m	ed):	MED		Date Received:			
% Moisture:	not dec.	0		Date Analyzed:	10/13/08	<u>-</u>	
GC Column:	RTX-VMS	ID: 0.18	3 (mm)	Dilution Factor	: 1.	0	
Soil Extract	Volume:	10000	 (uL)	Soil Aliquot Vo	lume:	100 (	uL)

#### CONCENTRATION UNITS:

CAS No.	Compound (ug/L or ug/	(Kg) ug/Kg	Q
1634-04-4	Methyl tert-butyl Ether	500	Ū
71-43-2	Benzene	500	υ
108-88-3	Toluene	500	υ
100-41-4	Ethyl Benzene	500	υ
126777-61-2	m&p-Xylenes	1000	ט
95-47-6	o-Xylene	500	υ
98-82-8	Isopropylbenzene	500	υ
103-65-1	n-propylbenzene	500	υ
108-67-8	1,3,5-Trimethylbenzene	500	υ
98-06-6	tert-Butylbenzene	500	υ
95-63-6	1,2,4-Trimethylbenzene	500	υ
135-98-8	Sec-butylbenzene	500	Ū
99-87-6	p-Isopropyltoluene	500	υ
104-51-8	n-Butylbenzene	500	υ
91-20-3	Naphthalene	500	υ

# 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859

Lab File ID: VH024512.D Date Analyzed: 10/9/2008

Instrument ID: MSVOAH Time Analyzed: 04:40

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	508906	3.25	970338	3.72	843836	6.92
UPPER LIMIT	1017812	3.75	1940676	4.22	1687672	7.42
LOWER LIMIT	254453	2.75	485169	3.22	421918	6.42
SAMPLE NO.						
VBLK01	487315	3.25	921149	3.72	837425	6.91
VLCS01	468735	3.25	905300	3.72	826641	6.91
B-DUP	298188	3.25	589265	3.71	585344	6.91
B-30	384117	3.25	748277	3.72	728134	6.92
B-29	354688	3.25	691939	3.72	725849	6.92
B-28	394788	3.24	759265	3.72	733385	6.91
B-27	371984	3.25	762547	3.72	785815	6.92

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

# 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4859 SAS No.: Z4859 SDG No.: Z4859

Lab File ID: VH024512.D Date Analyzed: 10/9/2008

Instrument ID: MSVOAH Time Analyzed: 04:40

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	407144	9.69		
UPPER LIMIT	814288	10.19		
LOWER LIMIT	203572	9.19		
SAMPLE NO.				
VBLK01	379085	9.69		
VLCS01	377276	9.69		
B-DUP	311885	9.69		
B-30	346682	9.69		
B-29	348570	9.69		
B-28	343128	9.69		
B-27	402407	9.70		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

### 8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859

Lab File ID: VH024644.D Date Analyzed: 10/13/2008

Instrument ID: MSVOAH Time Analyzed: 10:07

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	443523	3.25	834119	3.71	735621	6.90
UPPER LIMIT	887046	3.75	1668238	4.21	1471242	7.40
LOWER LIMIT	221762	2.75	417060	3.21	367811	6.40
SAMPLE NO.						
VBLK02	447604	3.24	797472	3.71	695151	6.90
Z4851-10MS	279265	3.24	595715	3.71	595108	6.91
Z4851-11MSD	345913	3.23	718854	3.70	678044	6.90
VLCS02	474916	3.24	927679	3.71	869126	6.90
B-26	461132	3.23	895365	3.70	843025	6.90
B-27DL	434269	3.24	852349	3.71	771909	6.90

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

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

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

# 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4859 SAS No.: Z4859 SDG No.: Z4859

Lab File ID: VH024644.D Date Analyzed: 10/13/200

Instrument ID: MSVOAH Time Analyzed: 10:07

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	369831	9.68		
UPPER LIMIT	739662	10.18		
LOWER LIMIT	184916	9.18		
SAMPLE NO.				
VBLK02	331662	9.68		
Z4851-10MS	319976	9.70		
Z4851-11MSD	374808	9.68		
VLCS02	413539	9.68		
B-26	419766	9.68		
B-27DL	377271	9.68		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

 $<sup>\</sup>mbox{\tt\#}$  Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

EPA SAMPLE NO.

B-DUP

Lab Name: Chemtech Co	onsulting Group Contrac	t: HRPA02
Lab Code: CHEM	Case No.: <u>Z4859</u> SAS No.:	Z4859 SDG No.: Z4859
Matrix (soil/water):	SOIL Lab Sam	ple ID: Z4859-01
Sample wt/vol: 30.0	) (g/mL) g Lab Fil	e ID: BE051843.D
Level: (low/med)	Date Re	eceived: 10/7/2008
% Moisture: 30	Decanted: (Y/N) N Date Ex	tracted: 10/8/2008
Concentrated Extract Vol	lume: 1000 (uL) Date An	10/16/2008
Injection Volume:	1.0 Dilutio	on Factor: 5.0
GPC Cleanup: (Y/N)		
GPC Cleanup: (1/N)		ion: (Type) <u>SOXH</u> ITRATION UNITS:
CAS NO.		or ug/Kg) ug/Kg Q
108-95-2	Phenol	2400 U
111-44-4	bis(2-Chloroethyl)ether	2400 U
95-57-8	2-Chlorophenol	2400 U
100-51-6	Benzyl Alcohol	2400 U
95-48-7	2-Methylphenol	2400 U
108-60-1	2,2-oxybis(1-Chloropropane)	2400 U
106-44-5	3+4-Methylphenols	2400 U
621-64-7	N-Nitroso-di-n-propylamine	2400 U
67-72-1	Hexachloroethane	2400 U
98-95-3	Nitrobenzene	2400 U
78-59-1	Isophorone	2400 U
88-75-5	2-Nitrophenol	2400 U
105-67-9	2,4-Dimethylphenol	2400 U
111-91-1	bis(2-Chloroethoxy)methane	2400 U
120-83-2	2,4-Dichlorophenol	2400 U
65-85-0	Benzoic acid	2400 U
91-20-3	Naphthalene	2400 U
106-47-8	4-Chloroaniline	2400 U
87-68-3	Hexachlorobutadiene	2400 U
59-50-7	4-Chloro-3-methylphenol	2400 U
91-57-6	2-Methylnaphthalene	2400 U
77-47-4	Hexachlorocyclopentadiene	2400 U
88-06-2	2,4,6-Trichlorophenol	2400 U
95-95-4	2,4,5-Trichlorophenol	
91-58-7	2-Chloronaphthalene	5900 U 2400 U
88-74-4 131-11-3	2-Nitroaniline   Dimethylphthalate	5900 U 2400 U
208-96-8	Acenaphthylene	2400 U
606-20-2	2,6-Dinitrotoluene	2400 U
99-09-2	3-Nitroaniline	5900 U
83-32-9	Acenaphthene	1800 J
51-28-5	2,4-Dinitrophenol	5900 U

EPA SAMPLE NO.

B-DUP

Lab Name: Chemtech Co	onsulting Group	Contract: HRPA0	2	
Lab Code: CHEM	Case No.: Z4859 SA	S No.: Z4859	SDG No.:	Z4859
Matrix (soil/water):	SOIL	Lab Sample ID:	 Z4859-01	
Sample wt/vol: 30.0	) (g/mL) g	Lab File ID:	BE051843.D	
Level: (low/med)	<del></del>	Date Received:	10/7/2008	•
% Moisture: 30	Decanted: (Y/N) N	Date Extracted:	10/8/2008	
Concentrated Extract Vo		Date Analyzed:	10/16/2008	
Injection Volume:	1.0	Dilution Factor:	5.0	
GPC Cleanup: (Y/N)		Extraction: (Type		-
GPC Cleanup: (1/N)	N pH: N/A	CONCENTRATION UN		_
CAS NO.	COMPOUND	(ug/L or ug/Kg)		Q
100-02-7	4-Nitrophenol		5900	U
132-64-9	Dibenzofuran		2400	U
121-14-2	2,4-Dinitrotoluene		2400	U
84-66-2	Diethylphthalate		2400	U
7005-72-3	4-Chlorophenyl-phenylethe	r	2400	U
86-73-7	Fluorene	-	3100	
100-01-6	4-Nitroaniline		5900	U
534-52-1	4,6-Dinitro-2-methylpheno	1	5900	U
86-30-6	N-Nitrosodiphenylamine	_	2400	U
103-33-3	Azobenzene		2400	U
101-55-3	4-Bromophenyl-phenylether		2400	U
118-74-1	Hexachlorobenzene		2400	U
87-86-5	Pentachlorophenol		5900	U
85-01-8	Phenanthrene		7300	
120-12-7	Anthracene		1100	J
84-74-2	Di-n-butylphthalate		2400	U
206-44-0	Fluoranthene		540	J
129-00-0	Pyrene		730	J
85-68-7	Butylbenzylphthalate		2400	U
91-94-1	3,3-Dichlorobenzidine		2400	U
56-55-3	Benzo(a)anthracene		2400	U
218-01-9	Chrysene		2400	U
117-81-7	bis(2-Ethylhexyl)phthalat	е	2400	U
117-84-0	Di-n-octyl phthalate		2400	U
205-99-2	Benzo(b)fluoranthene		2400	U
207-08-9	Benzo(k)fluoranthene		2400	U
50-32-8	Benzo(a)pyrene	j	2400	U
193-39-5	Indeno(1,2,3-cd)pyrene		2400	U
53-70-3	Dibenz(a,h)anthracene		2400	U
191-24-2	Benzo(g,h,i)perylene		2400	U

EPA SAMPLE NO.

ab Name: Chemtech C	onsulting Group Contract	: HRPA02
ab Code: CHEM	Case No.: Z4859 SAS No.:	Z4859 SDG No.: Z4859
Matrix (soil/water):	SOIL Lab Samp	ole ID: Z4859-02
ample wt/vol: 30.	1 (g/mL) g Lab File	BE051844.D
evel: (low/med)	Date Rec	eived: <u>10/7/2008</u>
Moisture: 24	Decanted: (Y/N) N Date Ext	racted: 10/8/2008
oncentrated Extract Vo	olume: 1000 (uL) Date Ana	alyzed: 10/16/2008
njection Volume:	1.0 Dilution	n Factor: 5.0
PC Cleanup: (Y/N)	N pH: N/A Extracti	Lon: (Type) SOXH
	CONCENT	TRATION UNITS:
CAS NO.	COMPOUND (ug/L	or ug/Kg) ug/Kg Q
108-95-2	Phenol	2200 U
111-44-4	bis(2-Chloroethyl)ether	2200 U
95-57-8	2-Chlorophenol	2200 U
100-51-6	Benzyl Alcohol	2200 U
95-48-7	2-Methylphenol	2200 U
108-60-1	2,2-oxybis(1-Chloropropane)	2200 U
106-44-5	3+4-Methylphenols	2200 U
621-64-7	N-Nitroso-di-n-propylamine	2200 U
67-72-1	Hexachloroethane	2200 U
98-95-3	Nitrobenzene	2200 U
78-59-1	Isophorone	2200 U
88-75-5	2-Nitrophenol	2200 U
105-67-9	2,4-Dimethylphenol	2200 U
111-91-1	bis(2-Chloroethoxy)methane	2200 U
120-83-2	2,4-Dichlorophenol	2200 U
65-85-0	Benzoic acid	2200 U
91-20-3	Naphthalene	2200 U
106-47-8	4-Chloroaniline	2200 U
87-68-3	Hexachlorobutadiene	2200 U
59-50-7	4-Chloro-3-methylphenol	2200 U
91-57-6	2-Methylnaphthalene	3500
77-47-4	Hexachlorocyclopentadiene	2200 U
88-06-2	2,4,6-Trichlorophenol	2200 U
95-95-4	2,4,5-Trichlorophenol	5400 U
91-58-7	2-Chloronaphthalene	2200 U
88-74-4	2-Nitroaniline	5400 U
131-11-3	Dimethylphthalate	2200 U
208-96-8	Acenaphthylene	2200 U
606-20-2	2,6-Dinitrotoluene	2200 U
99-09-2	3-Nitroaniline	5400 U
83-32-9		+
	Acenaphthene	
51-28-5	2,4-Dinitrophenol	5400 U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract: HR	PA02	
Lab Code: CHEM	Case No.: Z4859 SA	AS No.: Z485	9 SDG No.	: Z4859
Matrix (soil/water):	SOIL	Lab Sample ID:	z4859-02	
Sample wt/vol: 30.3	1 (g/mL) g	Lab File ID:	BE051844.D	
Level: (low/med)	<del>_</del>	Date Received	10/7/2008	
% Moisture: 24	Decanted: (Y/N) N	Date Extracted	10/8/2008	
Concentrated Extract Vo	lume: 1000 (uL)	Date Analyzed	10/16/200	<del></del> 8
Injection Volume:	1.0	Dilution Facto	or: 5.0	<u></u>
GPC Cleanup: (Y/N)	N pH: N/A	Extraction: (	Type) SOXH	<del></del>
	<del></del>	CONCENTRATIO	N UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/	Kg) ug/Kg	Q
100-02-7	4-Nitrophenol		5400	υ
132-64-9	Dibenzofuran		2200	υ
121-14-2	2,4-Dinitrotoluene		2200	υ
84-66-2	Diethylphthalate		2200	υ
7005-72-3	4-Chlorophenyl-phenyletho	er	2200	υ
86-73-7	Fluorene		1400	J
100-01-6	4-Nitroaniline		5400	υ
534-52-1	4,6-Dinitro-2-methylpheno	ol	5400	υ
86-30-6	N-Nitrosodiphenylamine		2200	υ
103-33-3	Azobenzene		2200	υ
101-55-3	4-Bromophenyl-phenylether	r	2200	υ
118-74-1	Hexachlorobenzene		2200	υ
87-86-5	Pentachlorophenol		5400	υ
85-01-8	Phenanthrene		3200	
120-12-7	Anthracene		360	J
84-74-2	Di-n-butylphthalate		2200	υ
206-44-0	Fluoranthene		270	J
129-00-0	Pyrene		350	J
85-68-7	Butylbenzylphthalate		2200	υ
91-94-1	3,3-Dichlorobenzidine		2200	υ
56-55-3	Benzo(a)anthracene		2200	υ
218-01-9	Chrysene		2200	υ
117-81-7	bis(2-Ethylhexyl)phthala	te	2200	U
117-84-0	Di-n-octyl phthalate		2200	U
205-99-2	Benzo(b)fluoranthene		2200	U
207-08-9	Benzo(k)fluoranthene		2200	U
50-32-8	Benzo(a)pyrene	<u></u>	2200	U
193-39-5	Indeno(1,2,3-cd)pyrene		2200	U
53-70-3	Dibenz(a,h)anthracene		2200	U
191-24-2	Benzo(g,h,i)perylene		2200	U

EPA SAMPLE NO.

ab Name: <u>Chemtech C</u>	onsulting Group Contract	: HRPA02
ab Code: CHEM	Case No.: Z4859 SAS No.:	Z4859 SDG No.: Z4859
Matrix (soil/water):	SOIL Lab Samp	le ID: Z4859-03
ample wt/vol: 30.	0 (g/mL) <u>g</u> Lab File	BE051845.D
evel: (low/med)	Date Rec	eived: 10/7/2008
Moisture: 22	Decanted: (Y/N) N Date Ext	racted: 10/8/2008
oncentrated Extract Vo	lume: 1000 (uL) Date Ana	lyzed: 10/16/2008
njection Volume:	1.0 Dilution	Factor: 5.0
PC Cleanup: (Y/N)	N pH: N/A Extracti	on: (Type) SOXH
	CONCENT	RATION UNITS:
CAS NO.	COMPOUND (ug/L	or ug/Kg Q
108-95-2	Phenol	2100 U
111-44-4	bis(2-Chloroethyl)ether	2100 U
95-57-8	2-Chlorophenol	2100 U
100-51-6	Benzyl Alcohol	2100 U
95-48-7	2-Methylphenol	2100 U
108-60-1	2,2-oxybis(1-Chloropropane)	2100 U
106-44-5	3+4-Methylphenols	2100 U
621-64-7	N-Nitroso-di-n-propylamine	2100 U
67-72-1	Hexachloroethane	2100 U
98-95-3	Nitrobenzene	2100 U
78-59-1	Isophorone	2100 U
88-75-5	2-Nitrophenol	2100 U
105-67-9	2,4-Dimethylphenol	2100 U
111-91-1	bis(2-Chloroethoxy)methane	2100 U
120-83-2	2,4-Dichlorophenol	2100 U
65-85-0	Benzoic acid	2100 U
		<del> </del>
91-20-3	Naphthalene	2100 U
106-47-8	4-Chloroaniline	2100 U
87-68-3	Hexachlorobutadiene	2100 U
59-50-7	4-Chloro-3-methylphenol	2100 U
91-57-6	2-Methylnaphthalene	2100 U
77-47-4	Hexachlorocyclopentadiene	2100 U
88-06-2	2,4,6-Trichlorophenol	2100 U
95-95-4	2,4,5-Trichlorophenol	5300 U
91-58-7	2-Chloronaphthalene	2100 U
88-74-4	2-Nitroaniline	5300 U
131-11-3	Dimethylphthalate	2100 U
208-96-8	Acenaphthylene	2100 U
606-20-2	2,6-Dinitrotoluene	2100 U
99-09-2	3-Nitroaniline	5300 U
83-32-9	Acenaphthene	3900
51-28-5	2,4-Dinitrophenol	5300 U

EPA SAMPLE NO.

Lab Name: Chemtech Consulting Group	Contract:	HRPA02		
Lab Code: CHEM Case No.: Z4859	SAS No.:	Z4859	SDG No.:	Z4859
Matrix (soil/water): SOIL	Lab Sampl	e ID: <u>Z4859</u> -	.03	
Sample wt/vol: 30.0 (g/mL) g	Lab File	ID: BE0518	45.D	
Level: (low/med)	Date Rece	ived: 10/	7/2008	
% Moisture: 22 Decanted: (Y/N)	N Date Extr	acted: 10/	/8/2008	
Concentrated Extract Volume: 1000 (1	uL) Date Anal	yzed: 10/	/16/2008	
Injection Volume: 1.0	Dilution	Factor: 5	.0	
GPC Cleanup: (Y/N) N pH: N/A	Extractio	on: (Type) S	SOXH	
<u>1,11</u>		ATION UNITS:		-
CAS NO. COMPOUND		r ug/Kg) ug/K	Car (	Q
			<u> </u>	···
100-02-7			300 U	
132-64-9 Dibenzofuran			.00 t	
121-14-2 2,4-Dinitrotoluene			.00 t	
84-66-2 Diethylphthalate	2		100 U	
7005-72-3 4-Chlorophenyl-pheny	yletner		100 U	<u>'</u>
86-73-7 Fluorene			900	
100-01-6 4-Nitroaniline			300 U	
534-52-1 4,6-Dinitro-2-methy			300 U	
86-30-6 N-Nitrosodiphenylam	ine		100 U	
103-33-3 Azobenzene			100 U	
101-55-3 4-Bromophenyl-pheny	lether		100 U	
118-74-1 Hexachlorobenzene			.00 t	
87-86-5 Pentachlorophenol			300 U	<u>r</u>
85-01-8 Phenanthrene		160		
120-12-7 Anthracene			L00	
84-74-2 Di-n-butylphthalate			100 t	ſ
206-44-0 Fluoranthene			_00 J	Г
129-00-0 Pyrene			500 J	Г
85-68-7 Butylbenzylphthalate			L00 U	Ţ
91-94-1 3,3-Dichlorobenzidi	ne	21	100 U	J
56-55-3 Benzo(a)anthracene		21	L00 U	J
218-01-9 Chrysene			100 U	J
117-81-7 bis(2-Ethylhexyl)ph	thalate	21	100 U	J
117-84-0 Di-n-octyl phthalate	e	21	100 t	J
205-99-2 Benzo(b)fluoranthen	e	21	100 t	Ţ
207-08-9 Benzo(k)fluoranthen	e	21	.00 t	Ţ
50-32-8 Benzo(a)pyrene		21	.00 t	Ţ
193-39-5 Indeno(1,2,3-cd)pyr	ene	21	ַ00 ט	Ţ
53-70-3 Dibenz(a,h)anthrace	ne	21	L00 U	Ţ
191-24-2 Benzo(g,h,i)perylend	e	21	L00 U	J

EPA SAMPLE NO.

ab Name: <u>Chemtech Consulting</u>	g Group Contract	: HRPA02	
ab Code: CHEM Case No	: Z4859 SAS No.:	Z4859 SDG N	o.: <u>Z4859</u>
atrix (soil/water): SOIL	Lab Samp	le ID: Z4859-04	
umple wt/vol: 30.1 (g/	mL) g Lab File	BE051846.D	
evel: (low/med)	Date Rec	eived: 10/7/200	<del></del> )8
Moisture: 19 Dec	anted: (Y/N) N Date Ext		
_ <del></del>			
oncentrated Extract Volume:	1000 (uL) Date Ana		008
ijection Volume: 1.0	Dilution	Factor: 5.0	
PC Cleanup: (Y/N) N	pH: N/A Extracti	on: (Type) SOXH	
		RATION UNITS:	
CAS NO. COMPOUN	D (ug/L o	or ug/Kg) ug/Kg	Q
108-95-2 Phenol		2000	U
111-44-4 bis(2-0	hloroethyl)ether	2000	Ū
95-57-8 2-Chlor	ophenol	2000	Ū
100-51-6 Benzyl	Alcohol	2000	υ
95-48-7 2-Methy	lphenol	2000	υ
108-60-1 2,2-oxy	bis(1-Chloropropane)	2000	Ŭ
106-44-5 3+4-Met	hylphenols	2000	υ
	so-di-n-propylamine	2000	υ
<u> </u>	oroethane	2000	U
98-95-3 Nitrobe	nzene	2000	U
78-59-1 Isophor	one	2000	U
88-75-5 2-Nitro		2000	Ū
	ethylphenol	2000	Ū
	hloroethoxy)methane	2000	Ū
	hlorophenol	2000	Ū
65-85-0 Benzoid		2000	Ū
91-20-3 Naphtha		2000	Ū
<u> </u>	oaniline	2000	Ū
	orobutadiene	2000	Ū
		<del>-</del>	Ū
	o-3-methylphenol	2000	
	Inaphthalene	2000	Ŭ
	orocyclopentadiene	2000	Ŭ 
<u> </u>	richlorophenol	2000	<u>U</u>
	richlorophenol	5100	<u>U</u>
	onaphthalene	2000	Ŭ
	aniline	5100	Ŭ
	lphthalate	2000	Ū
	thylene	2000	Ū
	itrotoluene	2000	U
<u> </u>	aniline	5100	U
83-32-9 Acenaph		530	J
51-28-5 2,4-Din	itrophenol	5100	U

EPA SAMPLE NO.

Lab Code: CHEM	_
Sample wt/vol: 30.1 (g/mL) g	
Level: (low/med)  % Moisture: 19 Decanted: (Y/N) N Date Extracted: 10/8/2008  Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/2008  Injection Volume: 1.0 Dilution Factor: 5.0  GPC Cleanup: (Y/N) N PH: N/A Extraction: (Type) SOXH  CONCENTRATION UNITS:  CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 5100 U 132-64-9 Dibenzofuran 2000 U 121-14-2 2,4-Dinitrotoluene 2000 U 84-66-2 Diethylphthalate 2000 U 7005-72-3 4-Chlorophenyl-phenylether 2000 U	
% Moisture: 19 Decanted: (Y/N) N Date Extracted: 10/8/2008  Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/2008  Injection Volume: 1.0 Dilution Factor: 5.0  GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH  CONCENTRATION UNITS:  CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 5100 U 132-64-9 Dibenzofuran 2000 U 121-14-2 2,4-Dinitrotoluene 2000 U 84-66-2 Diethylphthalate 2000 U 7005-72-3 4-Chlorophenyl-phenylether 2000 U	
Concentrated Extract Volume: 100 (uL) Date Analyzed: 10/16/2008  Injection Volume: 1.0 Dilution Factor: 5.0  GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH  CONCENTRATION UNITS:  CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 5100 U 132-64-9 Dibenzofuran 2000 U 121-14-2 2,4-Dinitrotoluene 2000 U 84-66-2 Diethylphthalate 2000 U 7005-72-3 4-Chlorophenyl-phenylether 2000 U	
Injection Volume: 1.0 Dilution Factor: 5.0  GPC Cleanup: (Y/N) N pH: N/A Extraction: (Type) SOXH  CONCENTRATION UNITS:  CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 5100 U 132-64-9 Dibenzofuran 2000 U 121-14-2 2,4-Dinitrotoluene 2000 U 84-66-2 Diethylphthalate 2000 U 7005-72-3 4-Chlorophenyl-phenylether 2000 U	
GPC Cleanup: (Y/N)  N pH: N/A Extraction: (Type) SOXH  CONCENTRATION UNITS:  CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 5100 U 132-64-9 Dibenzofuran 2000 U 121-14-2 2,4-Dinitrotoluene 2000 U 84-66-2 Diethylphthalate 2000 U 7005-72-3 4-Chlorophenyl-phenylether 2000 U	
GPC Cleanup: (Y/N)  N pH: N/A Extraction: (Type) SOXH  CONCENTRATION UNITS:  CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 5100 U 132-64-9 Dibenzofuran 2000 U 121-14-2 2,4-Dinitrotoluene 2000 U 84-66-2 Diethylphthalate 2000 U 7005-72-3 4-Chlorophenyl-phenylether 2000 U	
CONCENTRATION UNITS:  CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q  100-02-7 4-Nitrophenol 5100 U  132-64-9 Dibenzofuran 2000 U  121-14-2 2,4-Dinitrotoluene 2000 U  84-66-2 Diethylphthalate 2000 U  7005-72-3 4-Chlorophenyl-phenylether 2000 U	
CAS NO.       COMPOUND       (ug/L or ug/Kg)       ug/Kg       Q         100-02-7       4-Nitrophenol       5100       U         132-64-9       Dibenzofuran       2000       U         121-14-2       2,4-Dinitrotoluene       2000       U         84-66-2       Diethylphthalate       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U	
100-02-7       4-Nitrophenol       5100       U         132-64-9       Dibenzofuran       2000       U         121-14-2       2,4-Dinitrotoluene       2000       U         84-66-2       Diethylphthalate       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U	
132-64-9       Dibenzofuran       2000       U         121-14-2       2,4-Dinitrotoluene       2000       U         84-66-2       Diethylphthalate       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U	
121-14-2       2,4-Dinitrotoluene       2000       U         84-66-2       Diethylphthalate       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U	
84-66-2       Diethylphthalate       2000       U         7005-72-3       4-Chlorophenyl-phenylether       2000       U	
7005-72-3 4-Chlorophenyl-phenylether 2000 U	
86-73-7   Fluorene   940   .T	
00 , 0 ,     1 1 4 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	
100-01-6 4-Nitroaniline 5100 U	
534-52-1 4,6-Dinitro-2-methylphenol 5100 U	
86-30-6 N-Nitrosodiphenylamine 2000 U	
103-33-3 Azobenzene 2000 U	
101-55-3 4-Bromophenyl-phenylether 2000 U	
118-74-1 Hexachlorobenzene 2000 U	
87-86-5 Pentachlorophenol 5100 U	
85-01-8 Phenanthrene 2300	
120-12-7 Anthracene 400 J	
84-74-2 Di-n-butylphthalate 2000 U	
206-44-0 Fluoranthene 2000 U	
129-00-0 Pyrene 240 J	
85-68-7 Butylbenzylphthalate 2000 U	
91-94-1 3,3-Dichlorobenzidine 2000 U	
56-55-3 Benzo(a)anthracene 2000 U	
218-01-9 Chrysene 2000 U	
117-81-7 bis(2-Ethylhexyl)phthalate 2000 U	
117-84-0 Di-n-octyl phthalate 2000 U	
205-99-2 Benzo(b)fluoranthene 2000 U	
207-08-9 Benzo(k)fluoranthene 2000 U	
50-32-8 Benzo(a)pyrene 2000 U	
193-39-5 Indeno(1,2,3-cd)pyrene 2000 U	
53-70-3 Dibenz(a,h)anthracene 2000 U	
191-24-2 Benzo(g,h,i)perylene 2000 U	

EPA SAMPLE NO.

ab Name: <u>Chemtech Co</u>	onsulting Group Contract	: HRPA02
ab Code: CHEM	Case No.: Z4859 SAS No.:	Z4859 SDG No.: Z4859
atrix (soil/water):	SOIL Lab Samp	
ample wt/vol: 30.0	) (g/mL) g Lab File	BE051847.D
evel: (low/med)	Date Rec	eived: 10/7/2008
Moisture: 18	Decanted: (Y/N) N Date Ext	racted: 10/8/2008
oncentrated Extract Vo	lume: 1000 (uL) Date Ana	lyzed: 10/16/2008
njection Volume:	1.0 Dilution	Factor: 5.0
PC Cleanup: (Y/N)	N pH: N/A Extracti	on: (Type) SOXH
	CONCENT	RATION UNITS:
CAS NO.	COMPOUND (ug/L	or ug/Kg Q
108-95-2	Phenol	2000 U
111-44-4	bis(2-Chloroethyl)ether	2000 U
95-57-8	2-Chlorophenol	2000 U
100-51-6	Benzyl Alcohol	2000 U
95-48-7	2-Methylphenol	2000 U
108-60-1	2,2-oxybis(1-Chloropropane)	2000 U
106-44-5	3+4-Methylphenols	2000 U
621-64-7	N-Nitroso-di-n-propylamine	2000 U
67-72-1	Hexachloroethane	2000 U
98-95-3	Nitrobenzene	2000 U
78-59-1	Isophorone	2000 U
88-75-5	2-Nitrophenol	2000 U
105-67-9	2,4-Dimethylphenol	2000 U
111-91-1	bis(2-Chloroethoxy)methane	2000 U
120-83-2	2,4-Dichlorophenol	2000 U
65-85-0	Benzoic acid	2000 U
91-20-3	Naphthalene	2000 U
106-47-8	4-Chloroaniline	2000 U
87-68-3	Hexachlorobutadiene	2000 U
59-50-7	4-Chloro-3-methylphenol	2000 U
91-57-6	2-Methylnaphthalene	2000 U
77-47-4	Hexachlorocyclopentadiene	2000 U
88-06-2	2,4,6-Trichlorophenol	2000 U
95-95-4	2,4,5-Trichlorophenol	5100 U
91-58-7	2-Chloronaphthalene	2000 U
88-74-4	2-Nitroaniline	5100 U
131-11-3	Dimethylphthalate	2000 U
208-96-8	Acenaphthylene	2000 U
606-20-2	2,6-Dinitrotoluene	2000 U
99-09-2	3-Nitroaniline	5100 U
83-32-9	Acenaphthene	3700
51-28-5	2,4-Dinitrophenol	5100 U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract:	HRPA02	1		
Lab Code: CHEM	Case No.: Z4859 SF	AS No.:	Z4859	SDG N	o.: <u>Z4859</u>	
Matrix (soil/water):	SOIL	Lab Sampl	e ID: Z	4859-05		
Sample wt/vol: 30.0	) (g/mL) g	Lab File	ID: E	E051847.D		
Level: (low/med)	<u> </u>	Date Rece	eived:	10/7/20	08	
% Moisture: 18	Decanted: (Y/N) N	Date Extr	acted:	10/8/20	08	
Concentrated Extract Vo	lume: 1000 (uL)	Date Anal	lyzed:	10/16/2	008	
Injection Volume:	1.0	Dilution	Factor:	5.0		
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type	) SOXH		
			RATION UNI			
CAS NO.	COMPOUND		r ug/Kg)	ug/Kg	Q	
100-02-7	4-Nitrophenol	l		5100	υ	
132-64-9	Dibenzofuran			2000	<u> </u>	
121-14-2	2,4-Dinitrotoluene			2000	<u> </u>	
84-66-2	Diethylphthalate			2000	<u> </u>	
7005-72-3	4-Chlorophenyl-phenylethe	er e		2000	<u> </u>	
86-73-7	Fluorene	<u></u>		6800		
100-01-6	4-Nitroaniline			5100		
534-52-1	4,6-Dinitro-2-methylpheno	21		5100	<u> </u>	
86-30-6	N-Nitrosodiphenylamine	<u> </u>		2000	<u> </u>	
103-33-3	Azobenzene			2000	<u> </u>	
101-55-3	4-Bromophenyl-phenylether	r		2000	<u> </u>	
118-74-1	Hexachlorobenzene	L		2000	<u> </u>	
87-86-5	Pentachlorophenol			5100	<u> </u>	
85-01-8	Phenanthrene			15000		
120-12-7	Anthracene			2100		
84-74-2	Di-n-butylphthalate			2000	<u> </u>	
206-44-0	Fluoranthene			880	J	
129-00-0	Pyrene			1200	J	
85-68-7	Butylbenzylphthalate			2000	<u> </u>	
91-94-1	3,3-Dichlorobenzidine			2000	<u> </u>	
56-55-3	Benzo(a)anthracene			2000	<u> </u>	
218-01-9	Chrysene			2000	<u> </u>	
117-81-7	bis(2-Ethylhexyl)phthalat			2000	<u> </u>	
117-84-0	Di-n-octyl phthalate	ce		2000	<u> </u>	
205-99-2	Benzo(b)fluoranthene			2000	<u> </u>	
207-08-9	Benzo(k)fluoranthene			2000	<u> </u>	
50-32-8	Benzo(a)pyrene	<u> </u>		2000	<u> </u>	
193-39-5	Indeno(1,2,3-cd)pyrene	<u> </u>		2000	<u> </u>	
53-70-3	Dibenz(a,h)anthracene			2000	<u> </u>	
191-24-2	Benzo(g,h,i)perylene			2000	<u> </u>	
1)1 21-Z	Demac ( 9 ) m / m / per y reme			2000	9	

EPA SAMPLE NO.

B-30

Lab Name: Chemtech Consulting Group Contract: HRPA02 Lab Code: Case No.: SAS No.: CHEM Z4859 Z4859 SDG No.: Z4859 Matrix (soil/water): SOIL Lab Sample ID: Z4859-06 Sample wt/vol: 30.0 (g/mL) Lab File ID: BE051848.D g Level: (low/med) Date Received: 10/7/2008 % Moisture: 25 Decanted: (Y/N) N Date Extracted: 10/8/2008 (uL) Concentrated Extract Volume: 1000 Date Analyzed: 10/16/2008 Injection Volume: 1.0 Dilution Factor: 5.0 GPC Cleanup: (Y/N) Extraction: (Type) N pH: N/A SOXH CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q 108-95-2 Phenol 2200 U 111-44-4 bis(2-Chloroethyl)ether 2200 U 95-57-8 2-Chlorophenol 2200 U 100-51-6 Benzyl Alcohol 2200 U 95-48-7 2-Methylphenol 2200 U 108-60-1 2,2-oxybis(1-Chloropropane) 2200 TT 106-44-5 3+4-Methylphenols 2200 U 621-64-7 U N-Nitroso-di-n-propylamine 2200 67-72-1 Hexachloroethane 2200 U 98-95-3 Nitrobenzene 2200 U 78-59-1 Isophorone 2200 U 88-75-5 U 2-Nitrophenol 2200 105-67-9 2,4-Dimethylphenol 2200 TT 111-91-1 bis(2-Chloroethoxy)methane 2200 U 120-83-2 2200 U 2,4-Dichlorophenol 65-85-0 Benzoic acid 2200 U 91-20-3 Naphthalene 2200 U 106-47-8 4-Chloroaniline 2200 U 87-68-3 Hexachlorobutadiene 2200 TT 59-50-7 2200 U 4-Chloro-3-methylphenol 91-57-6 2-Methylnaphthalene 2200 U 77-47-4 Hexachlorocyclopentadiene 2200 U 88-06-2 2,4,6-Trichlorophenol 2200 U 95-95-4 5500 U 2,4,5-Trichlorophenol 91-58-7 2-Chloronaphthalene 2200 U 88-74-4 2-Nitroaniline 5500 U 131-11-3 2200 U Dimethylphthalate 208-96-8 Acenaphthylene 2200 U 606-20-2 2,6-Dinitrotoluene 2200 U 99-09-2 3-Nitroaniline 5500 U 83-32-9 Acenaphthene 1200 J 51-28-5 2,4-Dinitrophenol 5500 U

EPA SAMPLE NO.

Lab Name: Chemtech Co	onsulting Group	Contract	HRPA0	2		
Lab Code: CHEM	Case No.: <u>Z4859</u> SA	s No.:	Z4859	SDG I	No.: <u>Z485</u>	9
<pre>Matrix (soil/water):</pre>	SOIL	Lab Sampl	le ID:	Z4859-06		_
Sample wt/vol: 30.0	0 (g/mL) g	Lab File	ID:	BE051848.D	<u> </u>	
Level: (low/med)	<del>_</del>	Date Rece	eived:	10/7/20	08	
% Moisture: 25	Decanted: (Y/N) N	Date Ext	racted:	10/8/20	80	
Concentrated Extract Vo	lume: 1000 (uL)	Date Anal	lyzed:	10/16/2	8008	
Injection Volume:	1.0	Dilution	Factor:	5.0		
GPC Cleanup: (Y/N)	N pH: N/A	Extraction	on: (Type	e) SOXH		
	<del></del>	CONCENTE	RATION U	NITS:		
CAS NO.	COMPOUND	(ug/L o	r ug/Kg)	ug/Kg	Q	
100-02-7	4-Nitrophenol			5500	U	
132-64-9	Dibenzofuran			2200	υ	
121-14-2	2,4-Dinitrotoluene			2200	υ	
84-66-2	Diethylphthalate			2200	υ	
7005-72-3	4-Chlorophenyl-phenylethe	r		2200	υ	
86-73-7	Fluorene			2300		
100-01-6	4-Nitroaniline			5500	υ	
534-52-1	4,6-Dinitro-2-methylpheno	1		5500	Ū	
86-30-6	N-Nitrosodiphenylamine			2200	υ	
103-33-3	Azobenzene			2200	υ	
101-55-3	4-Bromophenyl-phenylether	•		2200	υ	
118-74-1	Hexachlorobenzene			2200	υ	
87-86-5	Pentachlorophenol			5500	υ	
85-01-8	Phenanthrene			5600		
120-12-7	Anthracene			590	J	
84-74-2	Di-n-butylphthalate			2200	υ	
206-44-0	Fluoranthene			300	J	
129-00-0	Pyrene			460	J	
85-68-7	Butylbenzylphthalate			2200	U	
91-94-1	3,3-Dichlorobenzidine			2200	U	
56-55-3	Benzo(a)anthracene			2200	U	
218-01-9	Chrysene			2200	U	
117-81-7	bis(2-Ethylhexyl)phthalat	.e		2200	U	
117-84-0	Di-n-octyl phthalate			2200	U	
205-99-2	Benzo(b)fluoranthene			2200	U	
207-08-9	Benzo(k)fluoranthene			2200	U	
50-32-8	Benzo(a)pyrene			2200	U	
193-39-5	Indeno(1,2,3-cd)pyrene			2200	U	
53-70-3	Dibenz(a,h)anthracene			2200	U	
191-24-2	Benzo(g,h,i)perylene			2200	Ŭ	

### **Hit Summary Report**

SDG No.: Z4859 Order ID: Z4859

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

**Test:** SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	B-26							
Z4859-02	B-26	SOIL	2-Methylnaphthalene	3500		2200	61	ug/Kg
Z4859-02	B-26	SOIL	Acenaphthene	840	J	2200	47	ug/Kg
Z4859-02	B-26	SOIL	Fluorene	1400	J	2200	58	ug/Kg
Z4859-02	B-26	SOIL	Phenanthrene	3200		2200	68	ug/Kg
Z4859-02	B-26	SOIL	Anthracene	360	J	2200	73	ug/Kg
Z4859-02	B-26	SOIL	Fluoranthene	270	J	2200	53	ug/Kg
Z4859-02	B-26	SOIL	Pyrene	350	J	2200	47	ug/Kg
		Total	SVOC's:	9920.00				
		Total		0.00				
		Total	SVOC's and TIC's:	9920.00				
Client ID:	B-27							
Z4859-03	B-27	SOIL	Acenaphthene	3900		2100	46	ug/Kg
Z4859-03	B-27	SOIL	Fluorene	6900		2100	57	ug/Kg
Z4859-03	B-27	SOIL	Phenanthrene	16000		2100	66	ug/Kg
Z4859-03	B-27	SOIL	Anthracene	2100		2100	71	ug/Kg
Z4859-03	B-27	SOIL	Fluoranthene	1100	J	2100	51	ug/Kg
Z4859-03	B-27	SOIL	Pyrene	1600	J	2100	46	ug/Kg
		Total	SVOC's:	31600.00				
		Total		0.00				
		Total	SVOC's and TIC's:	31600.00				
Client ID:	B-28							
Z4859-04	B-28	SOIL	Acenaphthene	530	J	2000	44	ug/Kg
Z4859-04	B-28	SOIL	Fluorene	940	J	2000	55	ug/Kg
Z4859-04	B-28	SOIL	Phenanthrene	2300		2000	63	ug/Kg
Z4859-04	B-28	SOIL	Anthracene	400	J	2000	68	ug/Kg
Z4859-04	B-28	SOIL	Pyrene	240	J	2000	44	ug/Kg
		Total	SVOC's:	4410.00				
		Total		0.00				
		Total	SVOC's and TIC's:	4410.00				

**Hit Summary Report** 

SDG No.: Z4859 Order ID: Z4859

Client: HRP Associates, Inc. Project ID: Mechanicville ERP site

Test: SVOC-Chemtech Full

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	B-29							
Z4859-05	B-29	SOIL	Acenaphthene	3700		2000	44	ug/Kg
Z4859-05	B-29	SOIL	Fluorene	6800		2000	54	ug/Kg
Z4859-05	B-29	SOIL	Phenanthrene	15000		2000	63	ug/Kg
Z4859-05	B-29	SOIL	Anthracene	2100		2000	68	ug/Kg
Z4859-05	B-29	SOIL	Fluoranthene	880	J	2000	49	ug/Kg
Z4859-05	B-29	SOIL	Pyrene	1200	J	2000	44	ug/Kg
		Total S	VOC's:	29680.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	29680.00				
Client ID:	B-30							
Z4859-06	B-30	SOIL	Acenaphthene	1200	J	2200	48	ug/Kg
Z4859-06	B-30	SOIL	Fluorene	2300		2200	59	ug/Kg
Z4859-06	B-30	SOIL	Phenanthrene	5600		2200	69	ug/Kg
Z4859-06	B-30	SOIL	Anthracene	590	J	2200	74	ug/Kg
Z4859-06	B-30	SOIL	Fluoranthene	300	J	2200	53	ug/Kg
Z4859-06	B-30	SOIL	Pyrene	460	J	2200	48	ug/Kg
		Total S	VOC's:	10450.00				
		Total T	IC's:	0.00				
		Total S	VOC's and TIC's:	10450.00				
Client ID:	B-DUP							
Z4859-01	B-DUP	SOIL	Acenaphthene	1800	J	2400	51	ug/Kg
Z4859-01	B-DUP	SOIL	Fluorene	3100		2400	63	ug/Kg
Z4859-01	B-DUP	SOIL	Phenanthrene	7300		2400	73	ug/Kg
Z4859-01	B-DUP	SOIL	Anthracene	1100	J	2400	79	ug/Kg
Z4859-01	B-DUP	SOIL	Fluoranthene	540	J	2400	57	ug/Kg
Z4859-01	B-DUP	SOIL	Pyrene	730	J	2400	51	ug/Kg
		Total S	VOC's:	14570.00				
		Total T		0.00				
		Total S	VOC's and TIC's:	14570.00				

### Surrogate Summary SW-846

SDG No.: <u>Z4859</u>

Client: HRP Associates, Inc.

							Lin	
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
PB37081B	SBLK01	2-Fluorophenol	150	139.87	93		23.00	104.00
		Phenol-d5	150	140.9	94		29.00	104.00
		Nitrobenzene-d5	100	91.85	92		28.00	110.00
		2-Fluorobiphenyl	100	99.91	100		32.00	109.00
		2,4,6-Tribromophenol	150	131.57	88		24.00	112.00
		Terphenyl-d14	100	99.7	100		30.00	150.00
PB37081BS	SLCS01	2-Fluorophenol	150	143.33	96		23.00	104.00
		Phenol-d5	150	141.28	94		29.00	104.00
		Nitrobenzene-d5	100	92.28	92		28.00	110.00
		2-Fluorobiphenyl	100	97.86	98		32.00	109.00
		2,4,6-Tribromophenol	150	134.62	90		24.00	112.00
		Terphenyl-d14	100	100.18	100		30.00	150.00
Z4859-01	B-DUP	2-Fluorophenol	150	135.4	90		23.00	104.00
		Phenol-d5	150	112.7	75		29.00	104.00
		Nitrobenzene-d5	100	67.95	68		28.00	110.00
		2-Fluorobiphenyl	100	94.39	94		32.00	109.00
		2,4,6-Tribromophenol	150	108.85	73		24.00	112.00
		Terphenyl-d14	100	96.8	97		30.00	150.00
Z4859-02	B-26	2-Fluorophenol	150	139.95	93		23.00	104.00
		Phenol-d5	150	131.65	88		29.00	104.00
		Nitrobenzene-d5	100	87	87		28.00	110.00
		2-Fluorobiphenyl	100	106.2	106		32.00	109.00
		2,4,6-Tribromophenol	150	105.15	70		24.00	112.00
		Terphenyl-d14	100	111.85	112		30.00	150.00
Z4859-02MS	B-26MS	2-Fluorophenol	150	133.7	89		23.00	104.00
		Phenol-d5	150	123.3	82		29.00	104.00
		Nitrobenzene-d5	100	86.3	86		28.00	110.00
		2-Fluorobiphenyl	100	106	106		32.00	109.00
		2,4,6-Tribromophenol	150	130.4	87		24.00	112.00
		Terphenyl-d14	100	115.5	116		30.00	150.00
Z4859-02MSD	B-26MSD	2-Fluorophenol	150	149.3	100		23.00	104.00
		Phenol-d5	150	136.45	91		29.00	104.00
		Nitrobenzene-d5	100	82.95	83		28.00	110.00
		2-Fluorobiphenyl	100	109.05	109		32.00	109.00
		2,4,6-Tribromophenol	150	135.15	90		24.00	112.00
		Terphenyl-d14	100	118.35	118		30.00	150.00
Z4859-03	B-27	2-Fluorophenol	150	134.85	90		23.00	104.00
		Phenol-d5	150	145.7	97		29.00	104.00
		Nitrobenzene-d5	100	123.05	123	*	28.00	110.00
		2-Fluorobiphenyl	100	106.05	106		32.00	109.00
		2,4,6-Tribromophenol	150	112.45	75		24.00	112.00

### Surrogate Summary SW-846

**SDG No.: Z4859** 

Client: HRP Associates, Inc.

							Lin	its
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
Z4859-03	B-27	Terphenyl-d14	100	105.65	106		30.00	150.00
Z4859-04	B-28	2-Fluorophenol	150	142.4	95		23.00	104.00
		Phenol-d5	150	138.9	93		29.00	104.00
		Nitrobenzene-d5	100	86.45	86		28.00	110.00
		2-Fluorobiphenyl	100	110.45	110	*	32.00	109.00
		2,4,6-Tribromophenol	150	117	78		24.00	112.00
		Terphenyl-d14	100	110.65	111		30.00	150.00
Z4859-05	B-29	2-Fluorophenol	150	161.25	108	*	23.00	104.00
		Phenol-d5	150	146.35	98		29.00	104.00
		Nitrobenzene-d5	100	133.3	133	*	28.00	110.00
		2-Fluorobiphenyl	100	111.7	112	*	32.00	109.00
		2,4,6-Tribromophenol	150	84.39	56		24.00	112.00
		Terphenyl-d14	100	110.05	110		30.00	150.00
Z4859-06	B-30	2-Fluorophenol	150	136	91		23.00	104.00
		Phenol-d5	150	149.55	100		29.00	104.00
		Nitrobenzene-d5	100	90.10	90		28.00	110.00
		2-Fluorobiphenyl	100	123.85	124	*	32.00	109.00
		2,4,6-Tribromophenol	150	127.7	85		24.00	112.00
		Terphenyl-d14	100	133.85	134		30.00	150.00

### Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4859** 

Client: HRP Associates, Inc.

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Z4859-02MS	Client Sa	mple ID:	B-26MS							
2-Chlorophenol	2200	0	1800	82				52	107	
Phenol	2200	0	2200	100				42	105	
bis(2-Chloroethyl)ether	2200	0	2900	132	*			37	114	
Benzyl Alcohol	2200	0	1400	64				43	97	
2,2-oxybis(1-Chloropropane)	2200	0	2100	95				44	102	
2-Methylphenol	2200	0	1200	55				50	100	
Hexachloroethane	2200	0	3200	145	*			43	101	
N-Nitroso-di-n-propylamine	2200	0	1600	73				63	97	
3+4-Methylphenols	2200	0	2400	109	*			30	106	
Nitrobenzene	2200	0	1800	82				50	109	
Isophorone	2200	0	2200	100				48	111	
2-Nitrophenol	2200	0	2000	91				52	116	
2,4-Dimethylphenol	2200	0	2000	91				47	109	
bis(2-Chloroethoxy)methane	2200	0	1800	82				51	111	
2,4-Dichlorophenol	2200	0	1400	64				55	109	
Naphthalene	2200	0	2400	109				34	120	
Benzoic acid	2200	0	0	0	*			16	112	
4-Chloroaniline	2200	0	970	44				15	92	
Hexachlorobutadiene	2200	0	2200	100				20	150	
4-Chloro-3-methylphenol	2200	0	2100	95				60	100	
2-Methylnaphthalene	2200	3500	6000	114				49	115	
Hexachlorocyclopentadiene	4400	0	2400	55				20	107	
2,4,6-Trichlorophenol	2200	0	1700	77				50	112	
2,4,5-Trichlorophenol	2200	0	2800	127	*			55	105	
2-Chloronaphthalene	2200	0	2200	100				50	113	
2-Nitroaniline	2200	0	3400	155	*			52	110	
Acenaphthylene	2200	0	2300	105				52	107	
Dimethylphthalate	2200	0	2000	91				45	122	
2,6-Dinitrotoluene	2200	0	2200	100				49	116	
Acenaphthene	2200	840	2600	80				65	100	
3-Nitroaniline	2200	0	1900	86				27	88	
2,4-Dinitrophenol	4400	0	0	0	*			26	131	
Dibenzofuran	2200	0	2500	114	*			52	113	
4-Nitrophenol	4400	0	4300	98	*			45	95	
2,4-Dinitrotoluene	2200	0	2400	109	*			56	104	
Fluorene	2200	1400	3200	82				47	117	
Diethylphthalate	2200	0	2100	95				49	115	
4-Chlorophenyl-phenylether	2200	0	2400	109				37	127	
4-Nitroaniline	2200	0	2000	91				41	115	
Azobenzene	2200	0	2200	100				51	114	

# Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4859** 

Client: HRP Associates, Inc.

<b>D</b>	a n	Sample	D 1/	D.	Rec	RPD		Limits	DDD
Parameter	Spike	Result	Result	Rec	Qual RPD	Qual	Low	High	RPD
Lab Sample ID: Z4859-02MS	Client Sa	mple ID:	B-26MS						
4,6-Dinitro-2-methylphenol	2200	0	0	0	*		40	105	
N-Nitrosodiphenylamine	2200	0	3800	173	*		55	120	
4-Bromophenyl-phenylether	2200	0	2400	109			53	113	
Hexachlorobenzene	2200	0	2200	100			48	118	
Pentachlorophenol	4400	0	2300	52			33	111	
Phenanthrene	2200	3200	4300	50			50	119	
Anthracene	2200	360	2600	102			54	108	
Di-n-butylphthalate	2200	0	2400	109			52	112	
Fluoranthene	2200	270	2400	97			55	105	
Pyrene	2200	350	2600	102			49	120	
Butylbenzylphthalate	2200	0	2500	114			55	120	
Benzo(a)anthracene	2200	0	2400	109	*		60	100	
3,3-Dichlorobenzidine	2200	0	1300	59			31	111	
Chrysene	2200	0	2200	100			51	115	
bis(2-Ethylhexyl)phthalate	2200	0	2500	114			54	124	
Di-n-octyl phthalate	2200	0	3500	159	*		53	122	
Indeno(1,2,3-cd)pyrene	2200	0	2400	109			42	124	
Benzo(b)fluoranthene	2200	0	2300	105			42	126	
Benzo(k)fluoranthene	2200	0	2100	95			43	125	
Benzo(a)pyrene	2200	0	2300	105	*		58	102	
Dibenz(a,h)anthracene	2200	0	2200	100			41	130	
Benzo(g,h,i)perylene	2200	0	2300	105			39	130	
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### Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4859** 

Client: HRP Associates, Inc.

	a	Sample		_	Rec		RPD	_	Limits	
Parameter	Spike	Result	Result	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID: Z4859-02MSD	Client Sa	mple ID:	B-26MSD							
2-Chlorophenol	2200	0	2200	100		20		52	107	50
Phenol	2200	0	2400	109	*	9		42	105	50
bis(2-Chloroethyl)ether	2200	0	3000	136	*	3		37	114	50
Benzyl Alcohol	2200	0	1800	82		25		43	97	50
2,2-oxybis(1-Chloropropane)	2200	0	2300	105	*	10		44	102	50
2-Methylphenol	2200	0	2600	118	*	73	*	50	100	50
Hexachloroethane	2200	0	5600	255	*	55	*	43	101	50
N-Nitroso-di-n-propylamine	2200	0	2000	91		22		63	97	50
3+4-Methylphenols	2200	0	2700	123	*	12		30	106	50
Nitrobenzene	2200	0	1900	86		5		50	109	50
Isophorone	2200	0	2500	114	*	13		48	111	50
2-Nitrophenol	2200	0	1800	82		10		52	116	50
2,4-Dimethylphenol	2200	0	2100	95		4		47	109	50
bis(2-Chloroethoxy)methane	2200	0	2000	91		10		51	111	50
2,4-Dichlorophenol	2200	0	1400	64		0		55	109	50
Naphthalene	2200	0	2600	118		8		34	120	50
Benzoic acid	2200	0	0	0	*	0		16	112	50
4-Chloroaniline	2200	0	0	0	*	200	*	15	92	50
Hexachlorobutadiene	2200	0	2300	105		5		20	150	50
4-Chloro-3-methylphenol	2200	0	2100	95		0		60	100	50
2-Methylnaphthalene	2200	3500	5400	86		28		49	115	50
Hexachlorocyclopentadiene	4400	0	2500	57		4		20	107	50
2,4,6-Trichlorophenol	2200	0	1800	82		6		50	112	50
2,4,5-Trichlorophenol	2200	0	2000	91		33		55	105	50
2-Chloronaphthalene	2200	0	2300	105		5		50	113	50
2-Nitroaniline	2200	0	5200	236	*	41		52	110	50
Acenaphthylene	2200	0	2600	118	*	12		52	107	50
Dimethylphthalate	2200	0	2100	95		4		45	122	50
2,6-Dinitrotoluene	2200	0	2500	114		13		49	116	50
Acenaphthene	2200	840	3400	116	*	37		65	100	50
3-Nitroaniline	2200	0	2300	105	*	20		27	88	50
2,4-Dinitrophenol	4400	0	0	0	*	0		26	131	50
Dibenzofuran	2200	0	2900	132	*	15		52	113	50
4-Nitrophenol	4400	0	7100	161	*	49		45	95	50
2,4-Dinitrotoluene	2200	0	3900	177	*	48		56	104	50
Fluorene	2200	1400	4400	136	*	50		47	117	50
Diethylphthalate	2200	0	2200	100		5		49	115	50
4-Chlorophenyl-phenylether	2200	0	2400	109		0		37	127	50
4-Nitroaniline	2200	0	2100	95		4		41	115	50
Azobenzene	2200	0	2700	123	*	21		51	114	50

# Matrix Spike/Matrix Spike Duplicate Summary SW-846

**SDG No.: Z4859** 

Client: HRP Associates, Inc.

<b>D</b>	G 9	Sample	D 1/	D.	Rec	DDD	RPD		Limits	DDD
Parameter	Spike	Result	Result	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID: Z4859-02MSD	Client Sa	mple ID:	B-26MSD							
4,6-Dinitro-2-methylphenol	2200	0	0	0	*	0		40	105	50
N-Nitrosodiphenylamine	2200	0	5800	264	*	42		55	120	50
4-Bromophenyl-phenylether	2200	0	2400	109		0		53	113	50
Hexachlorobenzene	2200	0	2300	105		5		48	118	50
Pentachlorophenol	4400	0	2500	57		9		33	111	50
Phenanthrene	2200	3200	7400	191	*	117	*	50	119	50
Anthracene	2200	360	2900	115	*	12		54	108	50
Di-n-butylphthalate	2200	0	2500	114	*	4		52	112	50
Fluoranthene	2200	270	2900	120	*	21		55	105	50
Pyrene	2200	350	3200	130	*	24		49	120	50
Butylbenzylphthalate	2200	0	2600	118		3		55	120	50
Benzo(a)anthracene	2200	0	2500	114	*	4		60	100	50
3,3-Dichlorobenzidine	2200	0	1200	55		7		31	111	50
Chrysene	2200	0	2400	109		9		51	115	50
bis(2-Ethylhexyl)phthalate	2200	0	2600	118		3		54	124	50
Di-n-octyl phthalate	2200	0	3500	159	*	0		53	122	50
Indeno(1,2,3-cd)pyrene	2200	0	2600	118		8		42	124	50
Benzo(b)fluoranthene	2200	0	2500	114		8		42	126	50
Benzo(k)fluoranthene	2200	0	2200	100		5		43	125	50
Benzo(a)pyrene	2200	0	2400	109	*	4		58	102	50
Dibenz(a,h)anthracene	2200	0	2400	109		9		41	130	50
Benzo(g,h,i)perylene	2200	0	2400	109		4		39	130	50

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4859</u>

Client: HRP Associates, Inc.

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	Limits High RPD
PB37081BS	2-Chlorophenol	1700	1700	100	*	54	92
	Phenol	1700	1600	94		48	96
	bis(2-Chloroethyl)ether	1700	1700	100	*	49	96
	Benzyl Alcohol	1700	1700	100	*	53	90
	2,2-oxybis(1-Chloropropane)	1700	1700	100	*	47	97
	2-Methylphenol	1700	1600	94	*	55	91
	Hexachloroethane	1700	1600	94	*	50	91
	N-Nitroso-di-n-propylamine	1700	1600	94		49	99
	3+4-Methylphenols	1700	1600	94	*	57	92
	Nitrobenzene	1700	1600	94	*	53	92
	Isophorone	1700	1600	94	*	55	89
	2-Nitrophenol	1700	1700	100	*	58	89
	2,4-Dimethylphenol	1700	1600	94	*	58	88
	bis(2-Chloroethoxy)methane	1700	1700	100	*	57	88
	2,4-Dichlorophenol	1700	1700	100		55	109
	Naphthalene	1700	1700	100		34	120
	Benzoic acid	1700	680	40		27	106
	4-Chloroaniline	1700	840	49		7	68
	Hexachlorobutadiene	1700	1600	94		53	98
	4-Chloro-3-methylphenol	1700	1600	94	*	57	92
	2-Methylnaphthalene	1700	1600	94	*	59	91
	Hexachlorocyclopentadiene	3300	3000	91	*	17	73
	2,4,6-Trichlorophenol	1700	1700	100	*	60	99
	2,4,5-Trichlorophenol	1700	1700	100	*	56	98
	2-Chloronaphthalene	1700	1700	100	*	59	97
	2-Nitroaniline	1700	1700	100	*	53	96
	Acenaphthylene	1700	1700	100	*	51	98
	Dimethylphthalate	1700	1600	94		54	102
	2,6-Dinitrotoluene	1700	1600	94		58	97
	Acenaphthene	1700	1700	100	*	52	97
	3-Nitroaniline	1700	1100	65		10	91
	2,4-Dinitrophenol	3300	2200	67		37	93
	Dibenzofuran	1700	1600	94	*	56	91
	4-Nitrophenol	3300	2900	88		24	120
	2,4-Dinitrotoluene	1700	1700	100		61	101
	Fluorene	1700	1700	100	*	52	97
	Diethylphthalate	1700	1600	94		55	101
	4-Chlorophenyl-phenylether	1700	1600	94		60	99
	4-Nitroaniline	1700	1700	100		47	102
	Azobenzene	1700	1700	100	*	54	98
	4,6-Dinitro-2-methylphenol	1700	1600	94		58	107

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4859</u>

Client: HRP Associates, Inc.

						Limit		S
Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	High	RPD
PB37081BS	N-Nitrosodiphenylamine	1700	1700	100		60	101	
	4-Bromophenyl-phenylether	1700	1700	100		62	101	
	Hexachlorobenzene	1700	1600	94		59	101	
	Pentachlorophenol	3300	2800	85		32	102	
	Phenanthrene	1700	1700	100		55	106	
	Anthracene	1700	1700	100		55	103	
	Di-n-butylphthalate	1700	1700	100		60	106	
	Fluoranthene	1700	1700	100		54	104	
	Pyrene	1700	1700	100		53	103	
	Butylbenzylphthalate	1700	1800	106	*	56	103	
	Benzo(a)anthracene	1700	1700	100		58	100	
	3,3-Dichlorobenzidine	1700	1000	59		28	101	
	Chrysene	1700	1600	94		53	103	
	bis(2-Ethylhexyl)phthalate	1700	1800	106		51	115	
	Di-n-octyl phthalate	1700	1900	112	*	54	106	
	Indeno(1,2,3-cd)pyrene	1700	1900	112		35	112	
	Benzo(b)fluoranthene	1700	1800	106	*	49	104	
	Benzo(k)fluoranthene	1700	1600	94		47	119	
	Benzo(a)pyrene	1700	1700	100		53	103	
	Dibenz(a,h)anthracene	1700	1900	112	*	44	108	
	Benzo(g,h,i)perylene	1700	1900	112	*	40	106	

#### SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG NO.: Z4859

Lab File ID: BE051796.D Lab Sample ID: PB37081B

Instrument ID: BNAE Date Extracted: 10/8/2008

Matrix: (soil/water) SOIL Date Analyzed: 10/14/2008

Level: (low/med) LOW Time Analyzed: 18:49

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	sLCs01	PB37081BS	BE051797.D	10/14/2008
02	B-DUP	Z4859-01	BE051843.D	10/16/2008
03	B-26	Z4859-02	BE051844.D	10/16/2008
04	B-27	Z4859-03	BE051845.D	10/16/2008
05	B-28	Z4859-04	BE051846.D	10/16/2008
06	B-29	Z4859-05	BE051847.D	10/16/2008
07	B-30	Z4859-06	BE051848.D	10/16/2008
80	B-26MS	Z4859-02MS	BE051849.D	10/16/2008
09	B-26MSD	Z4859-02MSD	BE051850.D	10/16/2008

COMMENTS:	

SVOC-Chemtec

EPA SAMPLE NO.

SBLK01

b Name: Chemtech Co	onsulting Group Contract	: HRPA02		
ab Code: CHEM	Case No.: Z4859 SAS No.:	Z4859	SDG No.:	Z4859
trix (soil/water):	SOIL Lab Samp	le ID: PB	37081B	
mple wt/vol: 30.0	) (g/mL) g Lab File	ID: BE	051796.D	
evel: (low/med)	Date Rec	eived:		_
<u> </u>			10/0/0000	
Moisture: 0	Decanted: (Y/N) N Date Ext	racted:	10/8/2008	
ncentrated Extract Vo	lume: 1000 (uL) Date Ana	lyzed:	10/14/2008	
jection Volume:	1.0 Dilution	Factor:	1.0	
C Cleanup: (Y/N)	N pH: Extracti	on: (Type)	SOXH	_
_	<del></del>	RATION UNIT		
CAS NO.	COMPOUND (ug/L	or ug/Kg)	ug/Kg	Q
108-95-2	Phenol		330	U
111-44-4	bis(2-Chloroethyl)ether	İ	330	Ū
95-57-8	2-Chlorophenol		330	τ
100-51-6	Benzyl Alcohol		330	τ
95-48-7	2-Methylphenol		330	τ
108-60-1	2,2-oxybis(1-Chloropropane)		330	τ
106-44-5	3+4-Methylphenols		330	τ
621-64-7	N-Nitroso-di-n-propylamine		330	υ
67-72-1	Hexachloroethane		330	Ū
98-95-3	Nitrobenzene		330	τ
78-59-1	Isophorone		330	τ
88-75-5	2-Nitrophenol		330	τ
105-67-9	2,4-Dimethylphenol	İ	330	υ
111-91-1	bis(2-Chloroethoxy)methane		330	τ
120-83-2	2,4-Dichlorophenol		330	τ
65-85-0	Benzoic acid		330	τ
91-20-3	Naphthalene		330	τ
106-47-8	4-Chloroaniline		330	τ
87-68-3	Hexachlorobutadiene		330	τ
59-50-7	4-Chloro-3-methylphenol		330	υ
91-57-6	2-Methylnaphthalene		330	τ
77-47-4	Hexachlorocyclopentadiene		330	τ
88-06-2	2,4,6-Trichlorophenol	İ	330	υ
95-95-4	2,4,5-Trichlorophenol		830	υ
91-58-7	2-Chloronaphthalene		330	υ
88-74-4	2-Nitroaniline	Ì	830	U
131-11-3	Dimethylphthalate	Ì	330	υ
208-96-8	Acenaphthylene	İ	330	υ
606-20-2	2,6-Dinitrotoluene	Ì	330	υ
99-09-2	3-Nitroaniline	Ì	830	υ
83-32-9	Acenaphthene	Ì	330	υ
51-28-5	2,4-Dinitrophenol	İ	830	U

EPA SAMPLE NO.

SBLK01

Lab Name: Chemtech Consulting Group Contract: HRPA02								
Lab Code: CHEM	Case No.: <u>Z4859</u> SA	AS No.:	Z4859	SDG No.	: Z4859			
<pre>Matrix (soil/water):</pre>	SOIL	Lab Samp	le ID: PB3	7081B				
Sample wt/vol: 30.0	(g/mL) g	Lab File	ID: BEO	51796.D	<u> </u>			
Level: (low/med)		Date Rec	eived:		_			
% Moisture: 0	Decanted: (Y/N) N	Date Ext	racted:	10/8/2008	_			
Concentrated Extract Vol	lume: 1000 (uL)	Date Ana	lyzed:	10/14/200	8			
Injection Volume:	1.0	Dilution	Factor:	1.0				
GPC Cleanup: (Y/N)	N pH:	Extraction	on: (Type)	SOXH				
	<del></del>	CONCENT	RATION UNITS	:				
CAS NO.	COMPOUND	(ug/L c	or ug/Kg) u	g/Kg	Q			
100-02-7	4-Nitrophenol		_	830	U			
132-64-9	Dibenzofuran			330	U			
121-14-2	2,4-Dinitrotoluene			330	Ū			
84-66-2	Diethylphthalate			330	<u> </u>			
7005-72-3	4-Chlorophenyl-phenyleth	or		330	<u> </u>			
86-73-7	Fluorene	GI.		330	<u> </u>			
100-01-6	4-Nitroaniline			830	<u> </u>			
534-52-1	4,6-Dinitro-2-methylphene	01		830	U			
86-30-6	N-Nitrosodiphenylamine			330	U			
103-33-3	Azobenzene			330	U			
101-55-3	4-Bromophenyl-phenylethe	r		330	U			
118-74-1	Hexachlorobenzene	<u> </u>		330	<u> </u>			
87-86-5	Pentachlorophenol			830	<u> </u>			
85-01-8	Phenanthrene			330	U U			
120-12-7	Anthracene			330	<u> </u>			
84-74-2	Di-n-butylphthalate			330	<u>U</u>			
206-44-0	Fluoranthene			330	Ŭ			
129-00-0	Pyrene			330	Ŭ			
85-68-7	Butylbenzylphthalate			330	Ŭ			
91-94-1	3,3-Dichlorobenzidine			330	Ŭ			
56-55-3	Benzo(a)anthracene			330	Ŭ			
218-01-9	Chrysene			330	Ŭ			
117-81-7	bis(2-Ethylhexyl)phthala	te		330	U			
117-84-0	Di-n-octyl phthalate			330	U			
205-99-2	Benzo(b)fluoranthene			330	U			
207-08-9	Benzo(k)fluoranthene			330	U			
50-32-8	Benzo(a)pyrene			330	Ū			
193-39-5	Indeno(1,2,3-cd)pyrene			330	U			
53-70-3	Dibenz(a,h)anthracene			330	U			
191-24-2	Benzo(g,h,i)perylene			330	Ŭ			

#### SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG NO.: Z4859

EPA Sample No.: SSTD040 Date Analyzed: 10/14/2008

Lab File ID: BE051795.D Time Analyzed: 18:13

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	75998	6.93	290139	8.88	159381	11.73
	UPPER LIMIT	151996	7.43	580278	9.38	318762	12.23
	LOWER LIMIT	37999	6.43	145070	8.38	79691	11.23
	EPA SAMPLE NO.						
01	SBLK01	71703	6.93	270798	8.88	144442	11.73
02	SLCS01	71823	6.93	271689	8.88	148872	11.73

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

#### SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859

EPA Sample No.: SSTD040 Date Analyzed: 10/14/2008

Lab File ID: BE051795.D Time Analyzed: 18:13

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	252763	14.17	273510	18.07	259310	21.11
	UPPER LIMIT	505526	14.67	547020	18.57	518620	21.61
	LOWER LIMIT	126382	13.67	136755	17.57	129655	20.61
	EPA SAMPLE NO.						
01	SBLK01	234436	14.17	241111	18.06	220956	21.11
02	SLCS01	230326	14.18	240925	18.06	223305	21.11

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

#### SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG NO.: Z4859

EPA Sample No.: SSTD050 Date Analyzed: 10/15/2008

Lab File ID: BE051832.D Time Analyzed: 18:32

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
ı	12 HOUR STD	84022	6.91	319081	8.86	170106	11.71
	UPPER LIMIT	168044	7.41	638162	9.36	340212	12.21
	LOWER LIMIT	42011	6.41	159541	8.36	85053	11.21
	EPA SAMPLE NO.						
01	B-DUP	74361	6.92	275714	8.86	153497	11.71
02	B-26	77042	6.91	290944	8.86	159589	11.71
03	B-27	66939	6.92	249117	8.86	136494	11.71
04	B-28	76276	6.92	285040	8.86	150440	11.71
05	B-29	63748	6.91	247288	8.86	131881	11.71
06	B-30	70776	6.91	277017	8.86	149076	11.71
07	B-26MS	74025	6.92	275832	8.86	150887	11.71
80	B-26MSD	70087	6.92	266090	8.86	145146	11.71

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard are AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

#### SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Consulting Group Contract: HRPA02

Lab Code: CHEM Case No.: Z4859 SAS No.: Z4859 SDG No.: Z4859

EPA Sample No.: SSTD050 Date Analyzed: 10/15/2008

Lab File ID: BE051832.D Time Analyzed: 18:32

Instrument ID: BNAE GC Column: RTX-5 SILMS ID: 0.32 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	263024	14.16	269240	18.05	245497	21.07
	UPPER LIMIT	526048	14.66	538480	18.55	490994	21.57
	LOWER LIMIT	131512	13.66	134620	17.55	122749	20.57
	EPA SAMPLE NO.						
01	B-DUP	240197	14.16	248760	18.04	229313	21.06
02	B-26	238407	14.15	242620	18.04	219504	21.06
03	B-27	214230	14.16	240168	18.05	220291	21.06
04	B-28	228214	14.16	234529	18.04	213217	21.06
05	B-29	212442	14.16	237598	18.04	220407	21.05
06	B-30	224359	14.16	230248	18.04	216811	21.06
07	B-26MS	229425	14.16	232233	18.05	210560	21.05
80	B-26MSD	220240	14.15	225194	18.04	207691	21.06

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard are

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.

### ANALYTICAL RESULTS SUMMARY

**PROJECT NAME:** Mechanicville ERP site

# HRP ASSOCIATES, INC. 100 SARATOGA VILLAGE BLVD. SUITE 27 MALTA, NY 12020 5188993011

CHEMTECH PROJECT NO. Z4883
ATTENTION: Cailyn E. Dinan

#### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

#### FORM S-I

#### SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
CF-MID	Z4883-01	8260					

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-IIa SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-IIb SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample	Matrix	Date	Date Rec'd at	Date	Date
ID		Collected	Lab	Extracted	Analyzed
Z4883-01	WATER	09/30/08	10/07/08		10/10/08

<sup>\*</sup> Details For Test : VOC-STARS

#### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-III

# SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory	Matrix	Analytical	Extraction	Auxiliary	Dil/Conc
Sample ID		Protocol	Method	Cleanup	Factor
Z4883-01	Water	8260	5030		



## **COVER PAGE**

		ProiectID:	Mechanicville ERP site
OrderID	Z4883	CustomerName:	HRP Associates, Inc.
	LAB SAMPLE NO.	CLIENT SAM	PLE NO
	Z4883-01	CF-MID	
	·		ms and conditions of the contract, anditions detailed above. Release
of the da	·	v data package has b	een authorized by the laboratory
Signatur	e:	Name:	
Date:		Title:	



#### **CASE NARRATIVE**

HRP Associates, Inc.

**Project Name: Mechanicville ERP site** 

Project # N/A

**Chemtech Project # Z4883** 

#### A. Number of Samples and Date of Receipt:

1 Water sample was received on 10/7/08.

#### **B.** Parameters

According to the Chain of Custody document, the following analyses were requested: and 8260 Stars List Volatiles. This data package contains results for 8260 Stars List Volatiles.

#### C. Analytical Techniques:

The analysis performed on instrument MSVOA G were done using GC column RTX-VMS which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap, OI Eclipse 4660 Concentrator.

#### D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The Blank Spike met requirements for all samples except for n-Butylbenzene.

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

The Calibration met the requirements.

The Tuning criteria met requirements.

#### **E. Additional Comments:**

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

Signature			
Nionafiire			
Jignature			

#### Surrogate Summary SW-846

**SDG No.: Z4883** 

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

							Lin	nits
Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Low	High
BSG1010W1	VLCS01	1,2-Dichloroethane-d4	50	49.58	99		75.00	124.00
		Dibromofluoromethane	50	49.42	99		84.00	122.00
		Toluene-d8	50	50.08	100		83.00	117.00
		4-Bromofluorobenzene	50	51.9	104		74.00	123.00
BSG1010W2	VLCS02	1,2-Dichloroethane-d4	50	50.75	102		75.00	124.00
		Dibromofluoromethane	50	48.31	97		84.00	122.00
		Toluene-d8	50	51.13	102		83.00	117.00
		4-Bromofluorobenzene	50	52.12	104		74.00	123.00
VBG1010W2	VBLK01	1,2-Dichloroethane-d4	50	47.64	95		75.00	124.00
		Dibromofluoromethane	50	52.35	105		84.00	122.00
		Toluene-d8	50	47.47	95		83.00	117.00
		4-Bromofluorobenzene	50	52.95	106		74.00	123.00
Z4883-01	CF-MID	1,2-Dichloroethane-d4	50	48.96	98		75.00	124.00
		Dibromofluoromethane	50	54.22	108		84.00	122.00
		Toluene-d8	50	48.22	96		83.00	117.00
		4-Bromofluorobenzene	50	54.1	108		74.00	123.00

# **Laboratory Control Sample/Laboratory Control Sample Duplicate Summary** SW-846

SDG No.: <u>Z4883</u>

Client: HRP Associates, Inc.

Analytical Method: EPA SW846 8260

Lab Sample ID	Parameter	Spike	Result	Rec RPD	Qual	Low	Limits High	RPD
BSG1010W1	Methyl tert-butyl Ether	20	20	100		66	127	
	Benzene	20	21	105		66	125	
	Toluene	20	19	95		68	121	
	Ethyl Benzene	20	19	95		65	124	
	m/p-Xylenes	40	40	100		66	128	
	o-Xylene	20	20	100		71	123	
	Isopropylbenzene	20	18	90		78	118	
	N-propylbenzene	20	19	95		79	118	
	1,3,5-Trimethylbenzene	20	18	90		82	117	
	tert-Butylbenzene	20	21	105		75	121	
	1,2,4-Trimethylbenzene	20	19	95		81	118	
	Sec-butylbenzene	20	19	95		79	120	
	p-Isopropyltoluene	20	19	95		77	118	
	n-Butylbenzene	20	20	100		79	119	
	Naphthalene	20	19	95		68	126	
BSG1010W2	Methyl tert-butyl Ether	20	24	120		66	127	
	Benzene	20	24	120		66	125	
	Toluene	20	23	115		68	121	
	Ethyl Benzene	20	23	115		65	124	
	m/p-Xylenes	40	46	115		66	128	
	o-Xylene	20	23	115		71	123	
	Isopropylbenzene	20	21	105		78	118	
	N-propylbenzene	20	22	110		79	118	
	1,3,5-Trimethylbenzene	20	22	110		82	117	
	tert-Butylbenzene	20	24	120		75	121	
	1,2,4-Trimethylbenzene	20	22	110		81	118	
	Sec-butylbenzene	20	22	110		79	120	
	p-Isopropyltoluene	20	22	110		77	118	
	n-Butylbenzene	20	24	120	*	79	119	
	Naphthalene	20	22	110		68	126	

# 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: Chemtech Contract: HRPA02

Lab File ID: VG015338.D Lab Sample ID: VBG1010W2

Date Analyzed: 10/10/2008 Time Analyzed: 13:02

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAG

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
VLCS01	BSG1010W1	VG015339.D	13:28
VLCs02	BSG1010W2	VG015340.D	13:55
CF-MID	Z4883-01	VG015345.D	16:14

COMMENTS:		

Form IV VOA VOC-STARS

# 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract HRPA02

Lab Code: CHEM Case No.: Z4883 SAS No.: Z4883 SDG No.: Z4883

Lab File ID: <u>VG015336.D</u> Date Analyzed: 10/10/2008

Instrument ID: MSVOAG Time Analyzed: 11:38

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	530894	3.72	651576	4.47	573944	9.46
UPPER LIMIT	1061788	4.22	1303152	4.97	1147888	9.96
LOWER LIMIT	265447	3.22	325788	3.97	286972	8.96
SAMPLE NO.						
VBLK01	487324	3.71	595316	4.46	529350	9.45
VLCS01	500856	3.71	610312	4.47	526769	9.46
VLCS02	496653	3.71	602595	4.46	533072	9.45
CF-MID	413604	3.71	498777	4.47	456791	9.45

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

<sup>\*</sup> Values outside of QC limits.

# 8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract: HRPA02

Lab Code: CHEM Case No. Z4883 SAS No.: Z4883 SDG No.: Z4883

Lab File ID: VG015336.D Date Analyzed: 10/10/200

Instrument ID: MSVOAG Time Analyzed: 11:38

GC Column: RTX-VMS ID: 0.1 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT#		
12 HOUR STD	310727	13.19		
UPPER LIMIT	621454	13.69		
LOWER LIMIT	155364	12.69		
SAMPLE NO.				
VBLK01	311514	13.19		
VLCS01	300399	13.19		
VLCS02	294395	13.18		
CF-MID	254772	13.18		

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

<sup>#</sup> Column used to flag values outside QC limits with an asterisk.

<sup>\*</sup> Values outside of QC limits.



#### **Report of Analysis**

Client: HRP Associates, Inc. Date Collected: 9/30/2008

Project: Mechanicville ERP site Date Received: 10/7/2008

Client Sample ID: CF-MID SDG No.: Z4883 Lab Sample ID: Z4883-01 Matrix: WATER

Analytical Method: 8260 % Moisture: 100

Sample Wt/Wol: 5.0 Units: mL Soil Extra

Soil Extract Vol: uL

Soil Aliquot Vol: uL

File ID: Dilution: Date Analyzed Analytical Batch ID

VG015345.D 1 10/10/2008 VG093008

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
71-43-2	Benzene	0.35	$\mathbf{U}$	5.0	0.35	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
103-65-1	N-propylbenzene	0.49	U	5.0	0.49	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.18	U	5.0	0.18	ug/L
98-06-6	tert-Butylbenzene	0.27	U	5.0	0.27	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.32	U	5.0	0.32	ug/L
135-98-8	Sec-butylbenzene	0.26	U	5.0	0.26	ug/L
99-87-6	p-Isopropyltoluene	0.26	U	5.0	0.26	ug/L
104-51-8	n-Butylbenzene	0.29	U	5.0	0.29	ug/L
91-20-3	Naphthalene	0.29	U	5.0	0.29	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.96	98 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	54.22	108 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	48.22	96 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	54.1	108 %	74 - 123		SPK: 50
INTERNAL STA	ANDARDS					
363-72-4	Pentafluorobenzene	413604	3.71			
540-36-3	1,4-Difluorobenzene	498777	4.47			
3114-55-4	Chlorobenzene-d5	456791	9.45			
3855-82-1	1,4-Dichlorobenzene-d4	254772	13.18			

N = Presumptive Evidence of a Compound