



Site Investigation Summary Report

Vapor Intrusion Evaluations for New York State Remedial Sites

COSCO Site

NYSDEC Site # 344035

Town of Ramapo Rockland County

NYSDEC Project Manager: Hausamann

NYSDOH Project Manager: Ushe

Prepared by Section B, Remedial Bureau E Division of Environmental Remediation New York State Department of Environmental Conservation

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A. Vapor Intrusion Evaluation Report for the COSCO Site, June 2006 (prepared by Environmental Resources Management)

Executive Summary

A soil vapor intrusion (SVI) investigation was conducted at the COSCO Site (Site ID #344035), located in Rockland County, in January 2006. The investigation include collection of six soil vapor samples and six overburden groundwater samples. Low-level dissolved VOC contamination was detected in two groundwater samples. Elevated concentrations of VOCs were also detected in soil gas. The VOCs detected were primarily chlorinated hydrocarbons (tetrachloroethylene, 1,2-dichloroethene, trichloroethene, and vinyl chloride). Petroleum-derived compounds (benzene, toluene, ethylbenzene, and xylene) were also detected. Based on the results of the investigation, the New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), recommends that further work, including heating season sampling of nearby structures, is needed to more fully evaluate the potential for soil vapor intrusion.

1. Site Background and Status

Although the soil vapor pathway has been historically evaluated at New York State sites, improvements in analytical techniques and knowledge gained from sites in New York and in other states has led to a more complete understanding of soil vapor as an environmental media of concern. Based on this additional information, New York has re-evaluated previous assumptions and decisions regarding the potential for vapor intrusion at sites. To this effort, the State has conducted a limited soil vapor and groundwater investigation at the COSCO Site to evaluate the vapor intrusion pathway. The COSCO Site is currently listed as a Class 2 site and has an operational remedial system (pump and treat) on-site.

1.1 Site Description

The COSCO site is located in the Village of Spring Valley, Rockland County, New York and is the location of the former Consolidated Stamp Company (COSCO). The COSCO property is triangular shaped and is bordered to the east by West Street, to the south by Central Avenue and to the north by an inactive Conrail line and right of way. Various industrial and commercial facilities are located on the north side of the right of way, including the former Continental Plastic Company (CPC) facility, a relatively new communications tower, and an active Spring Valley Department of Public Works maintenance facility.

A drainage way, known as the Reach B Diversion, runs between the facilities. The drainage way originates to the southwest of the industries and continues in a northeast direction and discharges into the West Branch of Pascack Brook east of the site. The Spring Valley Well Field is located about three-thousand feet to the northeast of the site. In addition, a COSCO's tailing disposal area is located on the west side of the property which is currently being used for vehicle storage.

During the course of a State-funded RI/FS for the former Spring Valley Well Field, the COSCO and CPC facilities, two suspected sources of contamination to the well field, were investigated. A Rockland County Health Department report dated July 1979 indicated that COSCO was using TCE in a vapor degreasing process and discharging rinse-water from the plating operation into a surface water drainage reach behind the facility to the north along the railroad siding. The report also indicated that CPC was pumping contaminated non-contact cooling water into the same reach. Between 1979 and1984, these drainage pathways were sampled for volatile organics revealing high levels of contamination with TCE and PCE (in the CPC and COSCO production wells as high as 7,600 ppb TCE and in waterway path as high as 59,000 ppb TCE).

In 1988, monitoring wells were installed and sampled by the NYSDEC and revealed up to 210 ppb TCE and 40 ppb PCE in overburden wells. PCE and TCE were found in the bedrock well (located just across the railroad siding to the north of the COSCO site) at concentrations of 7,700 ppb and 4,300 ppb, respectively.

1.2 Site Record of Decision (ROD)

A Record of Decision (ROD) was signed in 1990 recommending treatment of soil and groundwater. Subsequent sampling conducted during the remedial design phase indicated that remediation of source area soils and sediments (along the railroad siding) was no longer necessary, although groundwater contamination in the source area remained. A ROD Amendment was issued calling for extraction and treatment of groundwater, capping of the tailings area, and monitoring. Construction of a groundwater pump and treat system began in June 2001 and began operation in 2003. Currently, the system is not operating due to lack of an operation and maintenance contract.

1.3 Site Geology and Groundwater Flow

Based on subsurface studies conducted at the site, the overburden materials consist of a layer of fill material of sands and gravel below which lies glacially derived materials consisting of a silty clay zone, a glacial outwash of sands and gravel, followed by a glacial till unit. The bedrock in the area is about 40 feet below grade and is part of the Brunswick Formation consisting primarily of red shales and mudstones. The RI indicated that the groundwater flow in the overburden aquifer at the site was to the southeast and that a downward gradient exists between the overburden and bedrock aquifers. Regional flow in the bedrock in the study area is not certain but appears to be to the northeast.

2. Soil Vapor and Groundwater Investigation

The investigation at the COSCO site included sampling of soil vapor and groundwater to evaluate potential site related contaminants. The scope of work was based on the tasks identified in the multi-site work assignment (D003970-30) and the Generic Site Characterization Work Plan for Vapor Intrusion Evaluation. A detailed discussion of the investigation is included the Vapor Intrusion Evaluation Report for the COSCO Site (Attachment A).

A total of 6 shallow soil vapor samples were collected from the vicinity of the COSCO Site as shown in Figure 1. The summary table below provides information on sample identification and

Location No.	Depth to Screen	Vacuum		Corresponding
	Bottom (ft bgs)	Start	Finish	Sampling ID.
		(In/Hg)	(In/Hg)	
V-01S	4.0	29.5	1	344035-V-01S
V-01S	4.0	30	3	344035-V-
				DUP(020306)
V-02S	7.0	29.5	3	344035-V-02S
V-03S	8.0	29	1.5	344035-V-03S
V-04S	8.0	28	2	344035-V-04S
V-05S	7.0	28	2	344035-V-05S
V-06S	4.5	28	2	344035-V-06S

Notes: ft bos: feet below on depth. The shallow soil vapor samples were collected from an approximate depth of 8 ft bgs or, if the groundwater table was encountered less than 8 ft bgs, one foot above the groundwater table.

Due to the shallow groundwater levels encountered at the site, no deep soil vapor samples were collected as part of the investigation. The soil vapor samples were collected from temporary soil vapor points installed by Environmental Cleanup Services, Inc. using a direct-push method. Helium tracer tests were performed at 2 of the 6 soil vapor sample locations to verify the integrity of the bentonite seal between the ground surface and the borehole sampling point prior to sampling. No helium was detected in any of the sampling zones during the tests. The soil vapor samples were collected over a 2-hour period in 6-Liter evacuated Summa canisters and were submitted to Chemtech of Mountainside, New Jersey, for analysis of Volatile Organic Compounds (VOCs) by EPA Method TO-15. Installation and sampling of the soil vapor points is described in more detail in Attachment A.

A total of 6 temporary overburden groundwater monitoring wells were also installed and sampled as part of the SVI investigation. The summary table below provides information on field conditions (depth to water, screened interval, turbidity) and sample identification. The temporary direct-push wells were installed adjacent to the temporary soil vapor points described above. After purging the wells, groundwater samples were collected and submitted to Mitkem Corporation of Warwick, Rhode Island for analysis of VOCs by EPA Method 8260. Groundwater sampling procedures are described more fully in Attachment A.

Location No.	Depth to	Screened	Depth to	Final	Corresponding
	Bottom	Interval	Water	Turbidity	Sample ID.
	(ft bgs)	(ft bgs)	(ft bgs)	(NTU)	-
GW-01	14	10.0 to 14.0	5.20	>1000	344035-GW-01
GW-01	14	10.0 to 14.0	5.20	>1000	344035-GW-
					DUP(012606)
GW-02	19	15.0 to 19.0	8.00	>1000	344035-GW-02
GW-03	24	20.0 to 24.0	9.40	>1000	344035-GW-03
GW-04	18	14.0 to 18.0	10.67	>1000	344035-GW-04
GW-05	14	10.0 to 14.0	8.31	>1000	344035-GW-05
GW-06	19	15.0 to 19.0	5.58	>1000	344035-GW-06

Notes:

NTU: Nephelometric Turbidity Units ft bgs: feet below ground surface

3. Summary of Findings

Volatile contaminants detected in groundwater were primarily chlorinated hydrocarbons (tetrachloroethylene, *cis* 1,2-dichloroethene, trichloroethene, and vinyl chloride), although trace levels of toluene and ethylbenzene were detected in 1 groundwater sample. In addition to these compounds, several other VOCs (trichloroethane, xylenes, and benzene) were also detected in soil vapor.

<u>3.1 Soil Vapor</u>

PCE was detected in 4 of the 6 shallow soil vapor sample locations at concentrations ranging from 1.77 micrograms per cubic meter (ug/m³) to 1,275 ug/m³. TCE was detected in 2 shallow soil vapor samples at concentrations ranging from 186 ug/m³ to 4,303 ug/m³; a degradation product of TCE, *cis* 1,2-dichloroethene (1,2-DCE) was also detected in these 2 samples, ranging from 547 ug/m³ to 692 ug/m³. Trichloroethane (TCA) was detected in 1 shallow soil vapor sample at a concentration of 2.83 ug/m³. The sample with the highest concentration of chlorinated VOCs (over 6,300 ug/m³) was collected from location V-1 (located near the source zone along the railroad corridor to the north).

Other constituents of interest detected in shallow soil vapor include benzene, toluene, ethylbenzene, and toluene (BTEX compounds). The highest soil vapor concentrations of these BTEX compounds were detected in the sample point located across West Street to the east (V-3). MTBE was not detected in any of the soil vapor samples. Several other VOCs were detected at trace concentrations.

Figure 1 provides a summary of the soil vapor results.

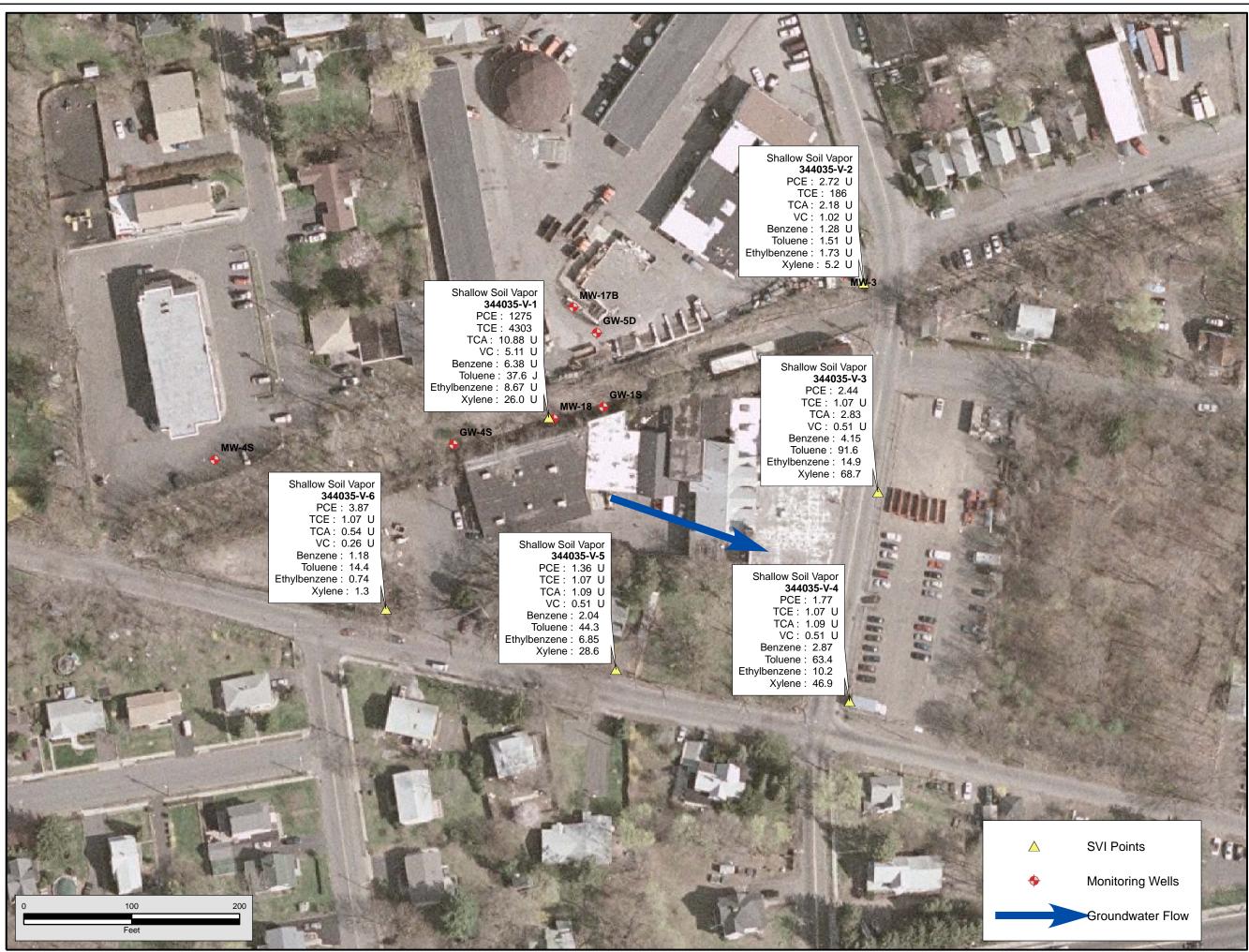
3.2 Groundwater

Groundwater samples were collected from the 6 temporary groundwater wells installed at the site. Figure 2 shows the locations of the wells sampled and summarizes the analytical results. Samples collected from the 2 wells located along the railroad right of way (V-1 and V-2) were impacted by chlorinated hydrocarbons. TCE was detected at concentrations ranging from 1 J micrograms per liter (ug/L) to 61 ug/L. 1,2-DCE was detected at concentrations ranging from 1 J micrograms per liter (ug/L) to 61 ug/L. Vinyl chloride was detected in one sample (from the former source area) at 23 ug/L. With the exception of trace detections of toluene and ethylbenzen (1 J ug/L), BTEX compounds were not detected in any of the 6 groundwater samples collected as part of the SVI investigation.

Figure 2 provides a summary of the groundwater sampling results.

4. Recommendations

Based on the distribution of the soil vapor and groundwater concentrations at the COSCO site, further SVI work, including heating season sampling of nearby structures, is recommended.





New York State Department of Environmental Conservation

Division of Environmental Remediation

Map Details

Created in ArcGIS 9.1 Created by E. Hausamann

Date of Last Revision: 06/15/2006

UNAUTHORIZED DUPLICATION IS A VIOLATION OF APPLICABLE LAWS

COSCO Site #: 3-44-035 Rockland County Village of Spring Valley

FIGURE 1

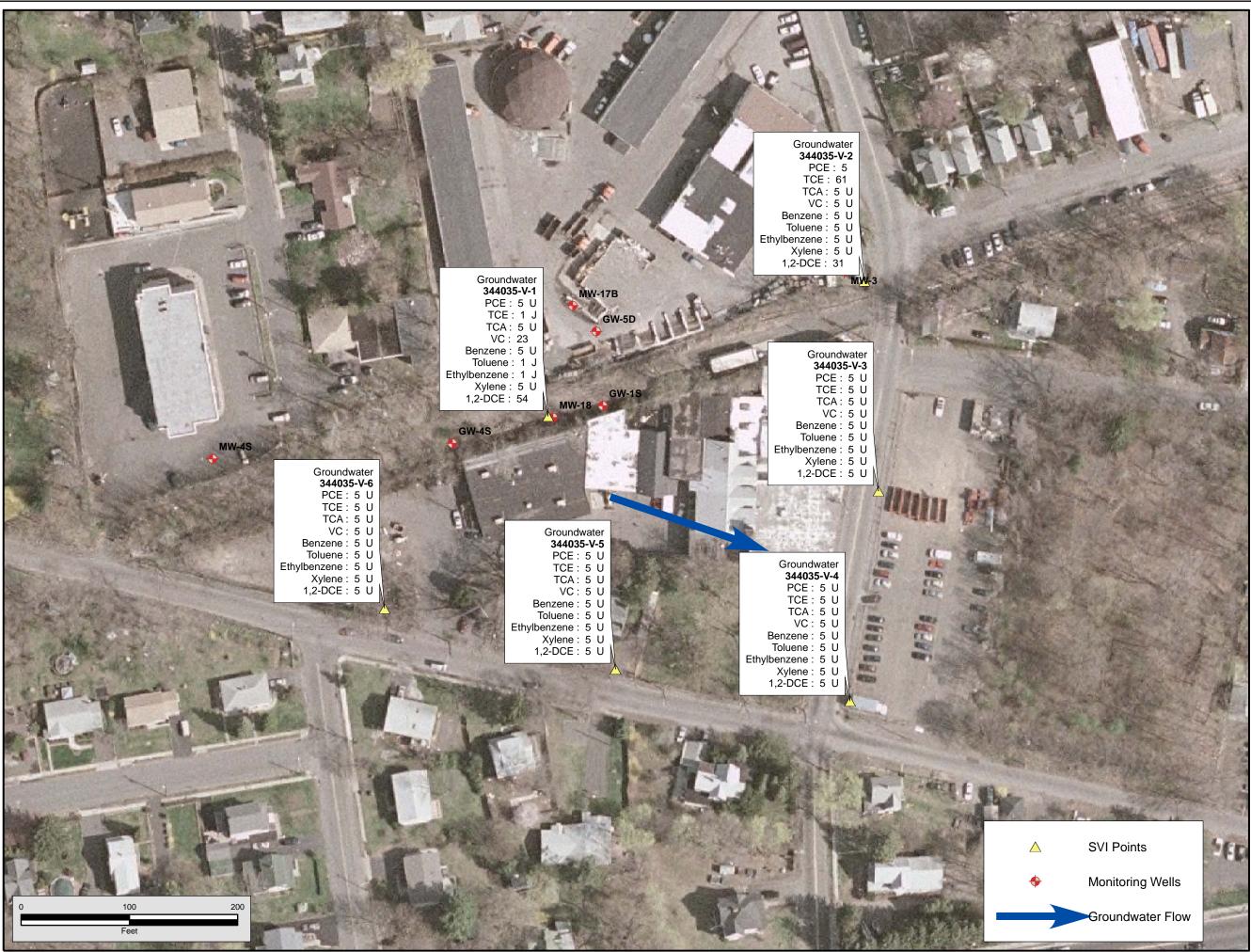
SVI Sample Locations Soil Vapor Results

all results in ug/m3

Spring 2004 Aerial Photography



North American Datum 1983 UTM Zone 18N





New York State Department of Environmental Conservation

Division of Environmental Remediation

Map Details

Created in ArcGIS 9.1 Created by E. Hausamann

Date of Last Revision: 06/15/2006

UNAUTHORIZED DUPLICATION IS A VIOLATION OF APPLICABLE LAWS

COSCO Site #: 3-44-035 Rockland County Village of Spring Valley

FIGURE 2

SVI Sample Locations Groundwater Results

all results in ppb

Spring 2004 Aerial Photography



North American Datum 1983 UTM Zone 18N

ATTACHMENT A

Vapor Intrusion Evaluation Report for the COSCO Site, June 2006 (prepared by Environmental Resources Management)

Environmental Resources Management

5788 Widewaters Parkway Dewitt, NY 13214 (315) 445-2554 (315) 445-2543

2 June 2006

Mr. Eric Hausamann Environmental Engineer New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233



Re: COSCO Site Town of Ramapo, Rockland County, New York NYSDEC Site ID# 3-44-035 ERM Project No. 0039409

Dear Mr. Hausamann:

Environmental Resources Management (ERM) is pleased to submit this Vapor Intrusion Evaluation (VIE) Report for the COSCO Site located in the Town of Ramapo, Rockland County, New York (the Site). This project was conducted in general accordance with the New York State Department of Environmental Conservation's (NYSDEC) State Superfund Standby Contract, specified within the NYSDEC Superfund Engineering Services Standby Contract, Work Assignment No. D003970-30, and the Generic Site Characterization Work Plan, General Work Plan for Vapor Intrusion Evaluation prepared by ERM in December 2005 and approved by the NYSDEC in December 2005.

BACKGROUND

The VIE was conducted to assess whether or not soil vapor contamination exists at the Site, and to assess the extent to which the vapors, if detected, pose a threat to human health or the environment.

The VIE included sampling of soil vapor and ground water to evaluate the potential exposure to Site related contaminants. Data are provided for the NYSDEC and the New York State Department of Health (NYSDOH) to review the results and make determinations, after reviewing the data, whether or not additional investigation is warranted.

SCOPE OF WORK

The Scope of Work is based on the tasks initially identified in the Work Assignment. The tasks required to execute the Work Assignment are identified and described in detail below. Due to the varying field conditions at the multiple Sites there may be Site-specific modifications to the Scope of Work. If modifications were necessary they will be discussed and justified in the appropriate section of this report.

The objective of this evaluation is to estimate the presence of soil vapor and ground water contamination, and if present, to determine if a pathway exists for the VOCs to impact human health and the environment. The Scope of Work contemplated by the Work Assignment involves:

- a site visit to conduct a reconnaissance of selected sampling locations;
- the collection of ground water samples and the collection of ground water elevations. Ground water samples will be collected via temporary direct-push wells advanced with a Geoprobe[™];
- the installation of approximately five soil vapor probe clusters per site. The clusters shall include a shallow and deep boring at each location. One soil vapor sample will be collected from each depth. A tracer gas will be used evaluate the integrity of the sampling set-up at a representative number of sampling points;
- the completion of data validation and the preparation of a Data Usability Report (DUSR); and
- the generation of appropriate field documentation including any field notes and sketches and the tabulation of all field and laboratory data.

Specific field investigative activities of this assessment are discussed below.

PRELIMINARY SITE VISIT

Prior to initiation of intrusive field investigation, ERM visited the Site with NYSDEC and the NYSDEC contracted drilling company personnel to assess Site conditions. Environmental Cleanup Solutions, Inc. (ECS), under contract with the NYSDEC, provided drilling services associated with this project. Site condition information was needed to better

evaluate equipment needs for the intrusive field investigation, and to mark the location of temporary wells and soil vapor collection points.

The probability of encountering private utilities was evaluated during the site visit. ECS was responsible to conduct utility clearance.

A NYSDEC representative collected surface elevations with a precision Global Satellite Positioning (GPS) device at each temporary well location.

FIELD DOCUMENTATION AND SITE MAP

A base map sketch of each site was included in the field notes. Relevant Site features and adjacent areas are represented on the sketch. Relevant features include, but are not limited to, structures, roads, fences, and existing wells. The sketch illustrates the relative location for each sample and is included as Figure 1. An aerial photograph with sample locations marked is included as Figure 2.

Detailed field notes were maintained by ERM personnel while ERM was on-site. Field notes include relevant activities that occurred during the workday. A copy of the field notes and associated field sampling forms are included in Attachment B.

GROUND WATER INVESTIGATION

Ground water samples were collected via temporary direct-push wells advanced with a Geoprobe[™]. ECS installed six (6) temporary wells at locations determined during the preliminary Site visit.

Ground water samples were collected from each temporary well using discrete screen point ground water sampling methods. Prior to ground water sample collection, the depth to ground water was measured to the nearest 0.01 foot using a water level indicator. Samples were collected by pushing a protected well screen to the desired depth and retracting the push rods, allowing ground water to enter the sampler through the exposed well screen. Ground water samples were recovered from the well using a low-flow peristaltic pump through 0.25-inch dedicated polyethylene tubing. Temporary wells were purged until ground water turbidity readings of 50 NTUs or less were reached, or for a period of time no shorter than 20 minutes if ground water turbidity did not

decrease. Samples were collected in appropriate laboratory-supplied containers, and placed in a pre-chilled cooler.

After sample collection, the sample tubing was withdrawn and the temporary ground water well was backfilled with packing sand and bentonite. Boreholes placed in paved or concrete areas were backfilled and refinished at the ground surface with concrete patch by ECS. All equipment that was in contact with the ground water was either decontaminated with an AlconoxTM wash or disposed of through appropriate means.

Ground water was encountered in all temporary wells at the Site. Temporary wells are considerably deeper than the water levels. Borings were advanced in five to ten foot intervals until water was encountered. The height of the water column in the wells suggests that ground water is under pressure. Temporary well construction data are listed in Table 1.

QA/QC samples were collected in accordance with the project-specific Quality Assurance Project Plan (QAPP), included in the Work Plan. QA/QC samples collected in the field included one blind duplicate sample per site, an equipment blank and MS/MSD sample for each sample set. Trip blanks were included in each sample cooler sent to the laboratory.

Mitkem Corporation of Warwick, Rhode Island analyzed ground water samples for volatile organic compounds (VOC's) by United States Environmental Protection Agency (USEPA) Method 8260. Mitkem Corp. is an NYSDOH Environmental Laboratory Accreditation Program (ELAP) certified laboratory.

Analytical data for ground water samples is summarized in Table 2. The Analytical Services Protocol (ASP) Category B Deliverable package for ground water samples collected at the Site is included as Attachment B.

SOIL VAPOR INVESTIGATION

Soil vapor investigations were preformed in general accordance with the *New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (Public Comment Draft, February 2005).

Temporary soil vapor probes were installed at six (6) locations selected by the NYSDEC in consultation with the NYSDOH, to determine whether vapor phase contaminants are present within the investigation area. Environmental Cleanup Solutions, Inc., under contract with the NYSDEC, installed all soil vapor probes.

The Project Work Plan requires the installation of two core holes (in close proximity to each other) at each soil vapor sample location; one shallow and one deep sample were to be installed each sample location. The Work Plan indicates that shallow samples should be collected at approximately 8-feet below ground surface (bgs) and deep samples should be collected at about 1-foot above the ground water surface. Where the ground water surface elevation is shallow, a single soil vapor sample should be collected from a point approximately one-foot above the level of the ground water as determined by the water levels attained in the direct-push temporary ground water wells, or determined in collaboration with the NYSDEC Remediation Project Managers.

Due to shallow ground water depths at the Site, only shallow vapor points were installed. The bottom of the soil vapor screens was set approximately one-foot above the measured ground water depth. Soil vapor point construction data are included in Table 3.

Temporary soil vapor probes were installed using direct-push technology to drive stainless steel rods equipped with detachable stainless steel drive points to the desired depth. At the desired depth a 6inch sampling screen attached to a dedicated Teflon or polyethylene tubing of laboratory quality was installed into the borehole to collect the soil vapor samples. The drive rods were retracted and the borehole was backfilled with pre-approved glass beads to the top of the probe followed by a minimum of 6-inches of quartz sand above the screened interval. Bentonite was then placed above the sand pack to ground surface, and immediately hydrated. Before the samples could be collected a minimum of 24-hours was provided for bentonite hydration.

Prior to collection of the vapor samples, the temporary soil vapor probes and tubing were purged in accordance with the NYSDOH guidance for evaluating soil vapor intrusion. A minimum of three implant volumes was purged at a rate not exceeding 0.2 liters per minute before samples were collected.

A helium tracer gas was used to evaluate whether ambient air was being drawn into the sampling zone in accordance to the NYSDOH draft guidance. Helium tracer gas was used on vapor points V-03S and V-04S to determine if ambient air is being drawn into the sampling zone. Helium was not detected at either vapor point.

Samples were collected using laboratory-certified clean 6-liter Summatype canisters with two-hour calibrated regulators connected to the dedicated Teflon[™] or polyethylene tubing with air tight fittings.

Following sample collection, the sample tubing was removed to the extent possible and the boring was backfilled with bentonite. Borings completed in pavement or sidewalks were finished with concrete patch.

Associated QA/QC samples were collected in accordance with the QAPP, which consisted of one blind duplicate sample per site location. Duplicates were collected using a polyethylene "tee" connection. Tubing extensions from the "tee" fitting to each of the regulators were cut to the same length.

Soil Vapor samples were analyzed by Chemtech of Mountainside, New Jersey for VOC's by USEPA Method TO-15. Chemtech is an ELAP certified laboratory.

Analytical data for soil vapor samples is summarized in Table 4. The ASP Category B Deliverable package for soil vapor samples collected at the Site is included as Attachment C.

DATA VALIDATION/USABILITY REPORT

Laboratory data has been reviewed, validated and qualified as necessary to assess data usability by direct comparison to the specified data quality objectives and/or procedures set forth in the QAPP. Environmental Data Services, Inc., of Concord, New Hampshire, an independent third party validator conducted the data validation. ERM's Quality Assurance Officer has conducted a Usability Analysis. A Data Usability Report and Data Validation Report for ground water and soil vapor laboratory analytical reports are found in Attachment D and E, respectfully.

ERM appreciates the opportunity to provide this report to you. If you should have any questions regarding this project, please contact the undersigned at 315-445-2554.

Sincerely,

Kuitz AD

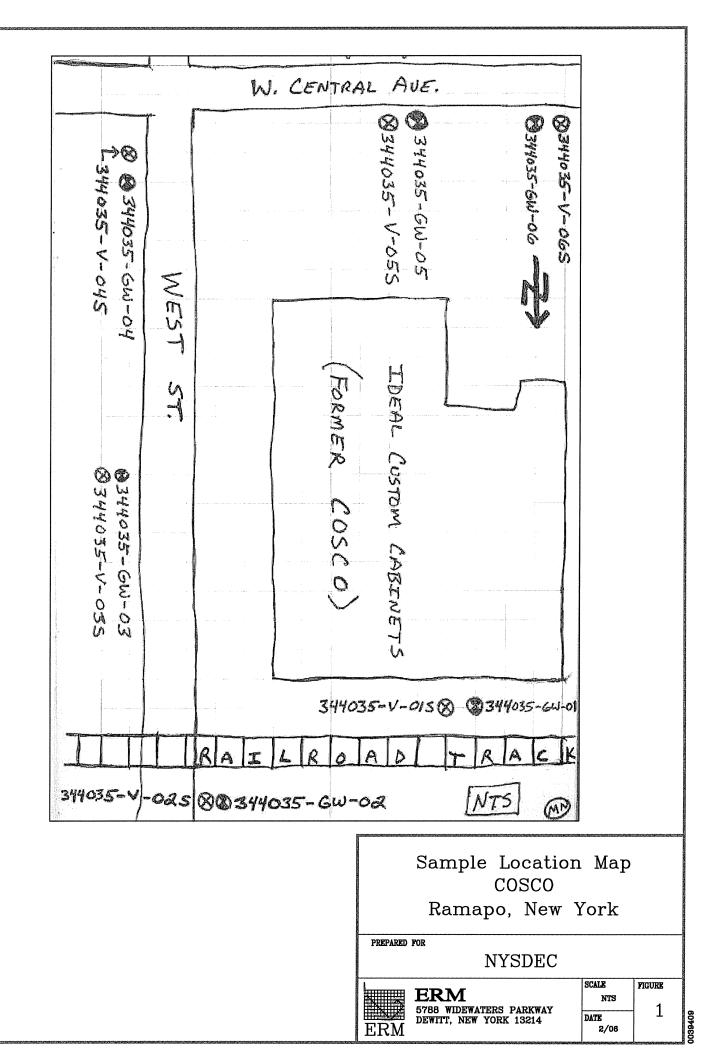
Kristopher Perritt, CHMM Project Manager

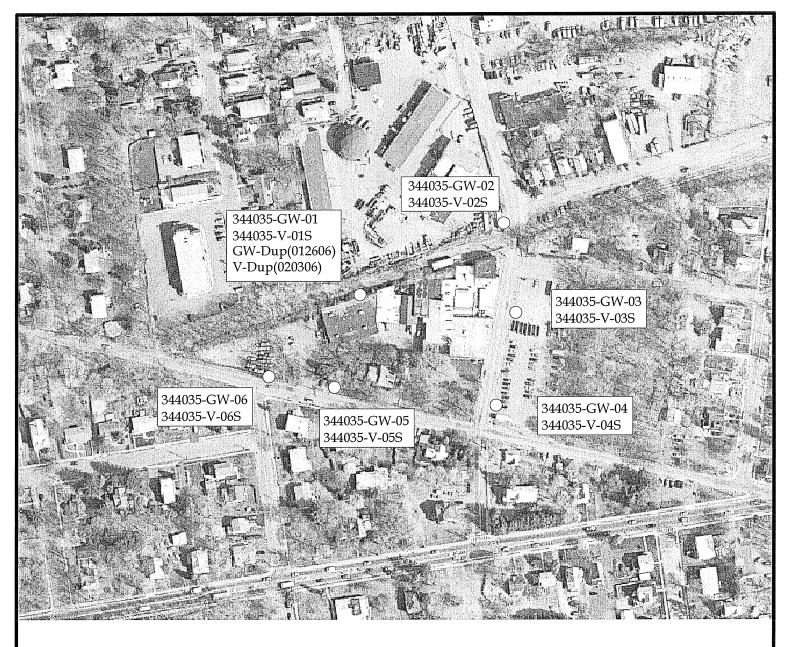
Eng Hing

Edward Hinchey, P.G. *Partner in Charge*

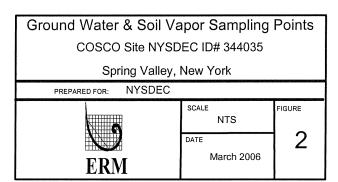
Attachments

FIGURES





COSCO Site NYSDEC Site No. 344035 ERM Project No. 0039409



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TABLES

Location No.	Depth to	Screened	Depth to	Final	Corresponding
	Bottom	Interval	Water	Turbidity	Sample ID.
	(ft bgs)	(ft bgs)	(ft bgs)	(NTU)	-
GW-01	14	10.0 to 14.0	5.20	>1000	344035-GW-01
GW-01	14	10.0 to 14.0	5.20	>1000	344035-GW-
					DUP(012606)
GW-02	19	15.0 to 19.0	8.00	>1000	344035-GW-02
GW-03	24	20.0 to 24.0	9.40	>1000	344035-GW-03
GW-04	18	14.0 to 18.0	10.67	>1000	344035-GW-04
GW-05	14	10.0 to 14.0	8.31	>1000	344035-GW-05
GW-06	19	15.0 to 19.0	5.58	>1000	344035-GW-06

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Table 1: Temporary Well Data COSCO Site.

Notes:

NTU: Nephelometric Turbidity Units

ft bgs: feet below ground surface

PERIOD: From 01/09/2006 thru 02/02/2006 - Inclusive

SAMPLE TYPE: Water

	SITE	GW-01	GW-01	GW-02	GW-03
	SAMPLE ID	344035-GW-01	344035-GW-DUP(01/26/2006	344035-GW-02 01/26/2006	344035-GW-03 01/26/2006
CONSTITUENT	DATE RESULT TYPE	01/26/2006	Duplicate 1	Primary	- Primary
		5 U	5 U	5 U	5 U
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	(ug/l) (ug/l)	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	(ug/l)	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	(ug/l)	5 U	5 U	5 U	5 U
1,1-Dichloroethane	(ug/l)	5 U	5 U	5 U	5 U
1,1-Dichloroethene	(ug/l)	5 U	5 U	5 U	5 U
1,1-Dichloropropene	(ug/l)	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	(ug/l)	1 J	5 U	5 U	5 U
1,2,3-Trichloropropane	(ug/l)	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	(ug/l)	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	(ug/l)	1 J	1 J	5 U	5 U
1,2-Dibromoethane	(ug/l)	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	(ug/l)	5 U	5 U	5 U	5 U
1,2-Dichloroethane	(ug/l)	5 U	5 U	5 U	5 U
	(ug/l)	5 U	5 U	5 U	5 U
1,2-Dichloropropane	(ug/l)	5 U	5 U	5 U	5 U
1,3,5-Trimethylbenzene	(ug/l)	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene		5 U	5 U	5 U	5 U
1,3-Dichloropropane	(ug/l)	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	(ug/l)	5 U	5 U	5 U	5 U
2,2-Dichloropropane	(ug/l)	5 U J	5 U J	5 U J	5 U J
2-Butanone	(ug/l)	5 U 5	5 U	5 U	5 U
2-Chlorotoluene	(ug/l)	5 U J	5 U J	5 U J	5 U J
2-Hexanone	(ug/l)	5 U	5 U	5 U	5 U
4-Chlorotoluene	(ug/l)	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	(ug/l)	5 U J	5 U J	5 U J	5 U J
Acetone	(ug/l)	5 U	5 U	5 U	5 U
Benzene	(ug/l)	5 U	5 U	5 U	5 U
Bromobenzene	(ug/l)				5 U
Bromochloromethane	(ug/l)	5 U	5 U 5 U	5 U 5 U	5 U
Bromodichloromethane	(ug/l)	5 U		5 U	5 U
Bromoform	(ug/l)	5 U	5 U		5 U 5 U
Bromomethane	(ug/l)	5 U	5 U	5 U	5 U 5 U
Carbon Disulfide	(ug/l)	5 U	5 U	5 U	
Carbon Tetrachloride	(ug/l)	5 U	5 U	5 U	5 U
Chlorobenzene	(ug/l)	5 U	5 U	5 U	5 U
Chloroethane	(ug/l)	5 U	5 U	5 U	5 U
Chloroform	(ug/l)	5 U J	5 U J	5 U J	5 U J
Chloromethane	(ug/l)	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	(ug/l)	54	57	31	5 U

See Endnotes following last page.

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Table 2 Ground Water Analytical Results COSCO Site Spring Valley, New York NYSDEC Site Number 3-44-035

PERIOD: From 01/09/2006 thru 02/02/2006 - Inclusive SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	GW-01 344035-GW-01 01/26/2006 Primary	GW-01 344035-GW-DUP(01/26/2006 Duplicate 1	GW-02 344035-GW-02 01/26/2006 Primary	GW-03 344035-GW-03 01/26/2006 Primary-
cis-1,3-Dichloropropene	(ug/l)	5 U	5 U	5 U	5 U
Dibromochloromethane	(ug/l)	5 U	5 U	5 U	5 U
Dibromochloropropane	(ug/l)	5 U	5 U	5 U	5 U
Dibromomethane	(ug/l)	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	(ug/l)	5 U	5 U	5 U	5 U
Ethylbenzene	(ug/l)	1 J	5 U	5 U	5 U
Hexachlorobutadiene	(ug/l)	5 U	5 U	5 U	5 U
Iodomethane	(ug/l)	5 U	5 U	5 U	5 U
Isopropylbenzene	(ug/l)	5 U	5 U	5 U	5 U
m+p-Xylene	(ug/l)	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	(ug/l)	5 U	5 U	5 U	5 U
Methylene Chloride	(ug/l)	5 U J	5 U J	5 U J	5 U J
Naphthalene	(ug/l)	5 U J	5 U J	5 U J	5 U J
n-Butylbenzene	(ug/l)	5 U	5 U	5 U	5 U
n-Propylbenzene	(ug/l)	5 U	5 U	5 U	5 U
o-Xylene	(ug/l)	5 U	5 U	5 U	5 U
p-Isopropyltoluene	(ug/l)	5 U	5 U	5 U	5 U
sec-Butylbenzene	(ug/l)	5 U	5 U	5 U	5 U
Styrene	(ug/l)	5 U	5 U	5 U	5 U
tert-Butylbenzene	(ug/l)	5 U	5 U	5 U	5 U
Tetrachloroethene	(ug/l)	5 U	5 U	5	5 U
Toluene	(ug/l)	1 J	1 J	5 U	5 U
trans-1,2-Dichloroethene	(ug/l)	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	(ug/l)	5 U	5 U	5 U	5 U
Trichloroethene	(ug/l)	1 J	1 J	61	5 U
Trichlorofluoromethane	(ug/l)	5 U	5 U	5 U	5 U
Vinyl Acetate	(ug/l)	5 U J	5 U J	5 U J	5 U J
Vinyl chloride	(ug/l)	23	24	5 U	5 U
Xylene (total)	(ug/l)	5 U	5 U	5 U	5 U
Sum of Constituents	(ug/l)	82.00	84.00	97.00	0.00

Table 2 Ground Water Analytical Results COSCO Site Spring Valley, New York NYSDEC Site Number 3-44-035

PERIOD: From 01/09/2006 thru 02/02/2006 - Inclusive SAMPLE TYPE: Water

	SITE	GW-04	GW-05	GW-06	
	SAMPLE ID	344035-GW-0			
CONSTITUENT	DATE	01/27/2006	01/27/2006	01/27/2006	
	RESULT TY	PE Primary	Primary	P <u>rimary</u> —	PTER AS
1,1,1,2-Tetrachloroethane	(ug/l)	5 U	5 U	5 U	
1,1,1-Trichloroethane	(ug/l)	5 U	5 U	5 U	
1,1,2,2-Tetrachloroethane	(ug/l)	5 U	5 U	5 U	
1,1,2-Trichloroethane	(ug/l)	5 U	5 U	5 U	
1,1-Dichloroethane	(ug/l)	5 U	5 U	5 U	
1,1-Dichloroethene	(ug/l)	5 U	5 U	5 U	
1,1-Dichloropropene	(ug/l)	5 U	5 U	5 U	
1,2,3-Trichlorobenzene	(ug/l)	5 U	5 U	5 U	
1,2,3-Trichloropropane	(ug/l)	5 U	5 U	5 U	
1,2,4-Trichlorobenzene	(ug/l)	5 U	5 U	5 U	
1,2,4-Trimethylbenzene	(ug/l)	5 U	5 U	5 U	
1,2-Dibromoethane	(ug/l)	5 U	5 U	5 U	
1,2-Dichlorobenzene	(ug/l)	5 U	5 U	5 U	
1,2-Dichloroethane	(ug/l)	5 U	5 U	5 U	
1,2-Dichloropropane	(ug/l)	5 U	5 U	5 U	
1,3,5-Trimethylbenzene	(ug/l)	5 U	5 U	5 U	
1,3-Dichlorobenzene	(ug/l)	5 U	5 U	5 U	
1,3-Dichloropropane	(ug/l)	5 U	5 U	5 U	
1,4-Dichlorobenzene	(ug/l)	5 U	5 U	5 U	
2,2-Dichloropropane	(ug/l)	5 U	5 U	5 U	
2-Butanone	(ug/l)	5 U J	5 U J	5 U J	
2-Chlorotoluene	(ug/l)	5 U	5 U	5 U	
2-Hexanone	(ug/l)	5 U J	5 U J	5 U J	
4-Chlorotoluene	(ug/l)	5 U	5 U	5 U	
4-Methyl-2-Pentanone	(ug/l)	5 U	5 U	5 U	
Acetone	(ug/l)	5 U J	5 U J	5 U J	
Benzene	(ug/l)	5 U	5 U	5 U	
Bromobenzene	(ug/l)	5 U	5 U	5 U	
Bromochloromethane	(ug/l)	5 U	5 U	5 U	
Bromodichloromethane	(ug/l)	5 U	5 U	5 U	
Bromoform	(ug/l)	5 U	5 U	5 U	
Bromomethane	(ug/l)	5 U	5 U	5 U	
Carbon Disulfide	(ug/l)	5 U	5 U	5 U	
Carbon Tetrachloride	(ug/l)	5 U	5 U	5 U	
Chlorobenzene	(ug/l)	5 U	5 U	5 U	
Chloroethane	(ug/l)	5 U	5 U	5 U	
Chloroform	(ug/l)	5 U J	5 U J	5 U J	
Chloromethane	(ug/l)	5 U	5 U	5 U	
cis-1,2-Dichloroethene	(ug/l)	5 U	5 U	5 U	

Table 2 Ground Water Analytical Results COSCO Site Spring Valley, New York NYSDEC Site Number 3-44-035

PERIOD: From 01/09/2006 thru 02/02/2006 - Inclusive

SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPI	GW-04 344035-GW-04 01/27/2006 E Primary	GW-05 344035-GW-05 01/27/2006 Primary	GW-06 344035-GW-06 01/27/2006 Primary
cis-1,3-Dichloropropene	(ug/l)	5 U	5 U	5 U
Dibromochloromethane	(ug/l)	5 U	5 U	5 U
Dibromochloropropane	(ug/l)	5 U	5 U	5 U
Dibromomethane	(ug/l)	5 U	5 U	5 U
Dichlorodifluoromethane	(ug/l)	5 U	5 U	5 U
Ethylbenzene	(ug/l)	5 U	5 U	5 U
Hexachlorobutadiene	(ug/l)	5 U	5 U	5 U
lodomethane	(ug/l)	5 U	5 U	5 U
Isopropylbenzene	(ug/l)	5 U	5 U	5 U
m+p-Xylene	(ug/l)	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	(ug/l)	5 U	5 U	5 U
Methylene Chloride	(ug/l)	5 U J	5 U J	5 U J
Naphthalene	(ug/l)	5 U J	5 U J	5 U J
n-Butylbenzene	(ug/l)	5 U	5 U	5 U
n-Propylbenzene	(ug/l)	5 U	5 U	5 U
o-Xylene	(ug/l)	5 U	5 U	5 U
p-lsopropyltoluene	(ug/l)	5 U	5 U	5 U
sec-Butylbenzene	(ug/l)	5 U	5 U	5 U
Styrene	(ug/l)	5 U	5 U	5 U
tert-Butylbenzene	(ug/l)	5 U	5 U	5 U
Tetrachloroethene	(ug/l)	5 U	5 U	5 U
Toluene	(ug/l)	5 U	5 U	5 U
trans-1,2-Dichloroethene	(ug/l)	5 U	5 U	5 U
trans-1,3-Dichloropropene	(ug/l)	5 U	5 U	5 U
Trichloroethene	(ug/l)	5 U	5 U	5 U
Trichlorofluoromethane	(ug/l)	5 U	5 U	5 U
Vinyl Acetate	(ug/l)	5 U J	5 U J	5 U J
Vinyl chloride	(ug/l)	5 U	5 U	5 U
Xylene (total)	(ug/l)	5 U	5 U	5 U
Sum of Constituents	(ug/l)	0.00	0.00	0.00

Table 2 Ground Water Analytical Results Cosco Site Spring Valley, New York NYSDEC Site Number 0039409

<u>Notes</u>

- $\mu g/l = micrograms per liter (parts per billion; ppb).$
- The samples were analyzed by Mitkem Corporation of Warwick RI, for Volatile Organic Compound (VOC) analysis by USEPA SW-846 Method 8260B, in accordance with *"Test Methods for Evaluation Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions."*

Qualifiers

- no qualifier The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

NA Parameter was not analyzed for.

Table 3: Vapor Point Data COSCO Site.

Location No.	Depth to Screen	Vacuum		Corresponding
	Bottom (ft bgs)	Start	Finish	Sampling ID.
		(In/Hg)	(In/Hg)	
V-01S	4.0	29.5	1	344035-V-01S
V-01S	4.0	30	3	344035-V-
				DUP(020306)
V-02S	7.0	29.5	3	344035-V-02S
V-03S	8.0	29	1.5	344035-V-03S
V-04S	8.0	28	2	344035-V-04S
V-05S	7.0	28	2	344035-V-05S
V-06S	4.5	28	2	344035-V-06S

Notes:

ft bgs: feet below ground surface

Table 4 Soil Vapor Analytical Results COSCO Site Spring Valley, New York NYSDEC Site Number 3-44-035

PERIOD: From 01/19/2006 thru 02/10/2006 - Inclusive

SAMPLE TYPE: Air

			1/ 000	N/ 020	V-04S
CONSTITUENT	SITE SAMPLE ID	V-01S 344035-V-01S	V-02S 344035-V-02S	V-03S 344035-V-03S	344035-V-04S
	DATE	02/03/2006	02/03/2006	02/03/2006	02/03/2006
1,1,1-Trichloroethane	(ug/m3)	10.88 U	2.18 U	2.83	1.09 U
1,1,2,2-Tetrachloroethane	(ug/m3)	13.74 U	2.75 U	1.37 U	1.37 U
1,1,2-Trichloroethane	(ug/m3)	10.88 U	2.18 U	1.09 U	1.09 U
1,1-Dichloroethane	(ug/m3)	8.1 U	1.62 U	0.81 U	0.81 U
1,1-Dichloroethene	(ug/m3)	7.93 U	132	0.79 U	0.79 U
1,2,4-Trichlorobenzene	(ug/m3)	75.5 U	14.2 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	(ug/m3)	39.3	1.96 U	8.34	5.6
1,2-Dibromoethane	(ug/m3)	15.38 U	3.08 U	1.54 U	1.54 U
1,2-Dichlorobenzene	(ug/m3)	12.02 U	2.4 U	1.2 U	1.2 U
1,2-Dichloroethane	(ug/m3)	8.1 U	1.62 U	0.81 U	0.81 U
1,2-Dichloropropane	(ug/m3)	9.24 U	1.85 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	(ug/m3)	34.4	1.96 U	1.87	1.28
1.3-Butadiene	(ug/m3)	4.42 U	0.88 U	0.44 U	0.44 U
1,3-Dichlorobenzene	(ug/m3)	12.02 U	2.4 U	1.2 U	1.68
1,4-Dichlorobenzene	(ug/m3)	12.02 U	2.4 U	2.28	1.8
1,4-Dioxane	(ug/m3)	14.4 U	2.88 U	1.44 U	1.44 U
2-Butanone	(ug/m3)	11.78 U	2.36 U	4.18	3.3
2-Hexanone	(ug/m3)	16.36 U	3.27 U	1.64 U	1.64 U
4-Ethyltoluene	(ug/m3)	9.82 U	1.96 U	5.99	4.02
4-Methyl-2-Pentanone	(ug/m3)	16.36 U	3.27 U	1.64	1.64 U
Acetone	(ug/m3)	21.8 J	28.8	43.3	188
Allyl chloride	(ug/m3)	6.3 U	1.26 U	0.63 U	0.63 U
Benzene	(ug/m3)	6.38 U	1.28 U	4.15	2.87
Benzyl chloride	(ug/m3)	11.53 U	2.31 U	1.15 U	1.15 U
Bromodichloromethane	(ug/m3)	13.42 U J	2.68 U	1.34 U	1.34 U
Bromoform	(ug/m3)	20.7 U	4.14 U	2.07 U	2.07 U
Bromomethane	(ug/m3)	7.77 U	1.55 U	0.78 U	0.78 U
Carbon Disulfide	(ug/m3)	6.22 U	1.24 U	3.11	2.05
Carbon Tetrachloride	(ug/m3)	12.6 U	5.04	1.26 U	1.26 U
Chlorobenzene	(ug/m3)	9.24 U	1.85 U	0.92 U	0.92 U
Chloroethane	(ug/m3)	5.32 U	1.06 U	0.53 U	0.53 U
Chloroform	(ug/m3)	9.73 U	14.8	0.97 U	0.97 U
Chloromethane	(ug/m3)	4.09 U	1.8	0.41 U	0.41 U
cis-1.2-Dichloroethene	(ug/m3)	692	547	0.79 U	0.79 U
cis-1,3-Dichloropropene	(ug/m3)	9.08 U	1.82 U	0.91 U	0.91 U
Cyclohexane	(ug/m3)	6.71 U	1.34 U	0.67 U	0.67 U
Dibromochloromethane	(ug/m3)	17.01 U	3.4 U	1.7 U	1.7 U
Dichlorodifluoromethane	(ug/m3)	9.9 U	3.37	2.28	1.98
Ethyl acetate	(ug/m3)	47.5 J	1.44 U	10.1	0.72 U
	(09/110)				

Table 4 Soil Vapor Analytical Results COSCO Site Spring Valley, New York NYSDEC Site Number 3-44-035

PERIOD: From 01/19/2006 thru 02/10/2006 - Inclusive

SAMPLE TYPE: Air

	SITE SAMPLE ID DATE	V-01S 344035-V-01S 02/03/2006	V-02S 344035-V-02S 02/03/2006	V-03S 344035-V-03S 02/03/2006	V-04S 344035-V-04S 02/03/2006
Ethylbenzene	(ug/m3)	8.67 U	1.73 U	14.9	10.2
Freon 113	(ug/m3)	15.3 U	3.67	1.53 U	1.53 U
Freon 114	(ug/m3)	13.99 U	2.8 U	1.4 U	1.4 U
Heptane	(ug/m3)	8.18 U	1.64 U	0.9	0.9
Hexachlorobutadiene	(ug/m3)	76.9 U	14.5 U	2.13 U	2.13 U
Hexane	(ug/m3)	14.07 U	2.81 U	1.41 U	1.55
Isooctane	(ug/m3)	9.33 U	1.87 U	0.93 U	0.93 U
Isopropyl Alcohol	(ug/m3)	9.82 U	1.96 U	1.91	3.19
m+p-Xylene	(ug/m3)	17.34 U	3.47 U	56.9	38.9
Methyl Tertiary Butyl Ether	(ug/m3)	7.2 U	1.44 U	0.72 U	0.72 U
Methylene Chloride	(ug/m3)	13.91 U	2.78 U	4.38 U	1.74 U
o-Xylene	(ug/m3)	8.67 U	1.73 U	11.8	7.98
Propylene	(ug/m3)	3.44 U	0.69 U	0.34 U	0.34 U
Styrene	(ug/m3)	8.51 U	1.7 U	5.19	3.91
Tetrachloroethene	(ug/m3)	1275	2.72 U	2.44	1.77
Tetrahydrofuran	(ug/m3)	11.78 U	2.36 U	1.18 U	1.18 U
Toluene	(ug/m3)	37.6 J	1.51 U	91.6	63.4
trans-1,2-Dichloroethene	(ug/m3)	30.9	1.59 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	(ug/m3)	9.08 U	1.82 U	0.91 U	0.91 U
Trichloroethene	(ug/m3)	4303	186	1.07 U	1.07 U
Trichlorofluoromethane	(ug/m3)	11.21 U	602	1.12	1.12 U
Vinyl Acetate	(ug/m3)	7.03 U	1.41 U	0.7 U	0.7 U
Vinyl bromide	(ug/m3)	8.75 U	1.75 U	0.88 U	0.88 U
Vinyl chloride	(ug/m3)	5.11 U	1.02 U	0.51 U	0.51 U
Sum of Constituents	(ug/m3)	6481.50	1524.48	276.83	344.38

PERIOD: From 01/19/2006 thru 02/10/2006 - Inclusive

SAMPLE TYPE: Air

	SITE	<u>V-05S</u>	<u>V-06S</u>
CONSTITUENT	SAMPLE ID	344035-V-05S	344035-V-06S
	DATE	02/03/2006	02/03/2006
1,1,1-Trichloroethane	(ug/m3)	1.09 U	0.54 U
1,1,2,2-Tetrachloroethane	(ug/m3)	1.37 U	0.69 U
1,1,2-Trichloroethane	(ug/m3)	1.09 U	0.54 U
1,1-Dichloroethane	(ug/m3)	0.81 U	0.4 U
1,1-Dichloroethene	(ug/m3)	0.79 U	0.4 U
1,2,4-Trichlorobenzene	(ug/m3)	1.48 U	0.74 U
1,2,4-Trimethylbenzene	(ug/m3)	3.73	0.49 U
1,2-Dibromoethane	(ug/m3)	1.54 U	0.77 U
1,2-Dichlorobenzene	(ug/m3)	1.2 U	0.6 U
1,2-Dichloroethane	(ug/m3)	0.81 U	0.4 U
1,2-Dichloropropane	(ug/m3)	0.92 U	0.46 U
1,3,5-Trimethylbenzene	(ug/m3)	0.98 U	0.49 U
1,3-Butadiene	(ug/m3)	0.44 U	0.22 U
1,3-Dichlorobenzene	(ug/m3)	1.2 U	0.6 U
1,4-Dichlorobenzene	(ug/m3)	1.2 U	0.6 U
1,4-Dioxane	(ug/m3)	1.44 U	0.72 U
2-Butanone	(ug/m3)	3.65	1.71
2-Hexanone	(ug/m3)	1.64 U	0.82 U
4-Ethyltoluene	(ug/m3)	2.26	0.49 U
4-Methyl-2-Pentanone	(ug/m3)	1.64 U	0.82 U
Acetone	(ug/m3)	396	175
Allyl chloride	(ug/m3)	0.63 U	0.31 U
Benzene	(ug/m3)	2.04	1.18
Benzyl chloride	(ug/m3)	1.15 U	0.58 U
Bromodichloromethane	(ug/m3)	1.34 U	0.67 U
Bromoform	(ug/m3)	2.07 U	1.03 U
Bromomethane	(ug/m3)	0.78 U	0.39 U
Carbon Disulfide	(ug/m3)	1.37	0.4 U
Carbon Tetrachloride	(ug/m3)	1.26 U	0.63 U
Chlorobenzene	(ug/m3)	0.92 U	0.46 U
Chloroethane	(ug/m3)	0.53 U	0.27 U
Chloroform	(ug/m3)	0.97 U	0.49 U
Chloromethane	(ug/m3)	0.41 U	0.2 U
cis-1,2-Dichloroethene	(ug/m3)	0.79 U	0.4 U
cis-1,3-Dichloropropene	(ug/m3)	0.91 U	0.45 U
Cyclohexane	(ug/m3)	0.67 U	0.34 U
Dibromochloromethane	(ug/m3)	1.7 U	0.85 U
Dichlorodifluoromethane	(ug/m3)	0.99 U	0.49 U
Ethyl acetate	(ug/m3)	0.72 U	0.36 U
See Endnotes following last page.			

PERIOD: From 01/19/2006 thru 02/10/2006 - Inclusive

SAMPLE TYPE: Air

CONSTITUENT	SITE SAMPLE ID DATE	V-05S 344035-V-05S 02/03/2006	V-06S 344035-V-06S 02/03/2006
Ethylbenzene	(ug/m3)	6.85	0.74
Freon 113	(ug/m3)	1.53 U	0.76 U
Freon 114	(ug/m3)	1.4 U	0.7 U
Heptane	(ug/m3)	1.06	0.41
Hexachlorobutadiene	(ug/m3)	2.13 U	1.07 U
Hexane	(ug/m3)	1.41 U	0.7 U
Isooctane	(ug/m3)	0.93	0.47 U
Isopropyl Alcohol	(ug/m3)	0.98 U	3.31
m+p-Xylene	(ug/m3)	23.5	1.3
Methyl Tertiary Butyl Ether	(ug/m3)	0.72 U	0.36 U
Methylene Chloride	(ug/m3)	1.39 U	2.26 U
o-Xylene	(ug/m3)	5.12	0.43 U
Propylene	(ug/m3)	0.34 U	0.17 U
Styrene	(ug/m3)	1.96	0.43 U
Tetrachloroethene	(ug/m3)	1.36 U	3.87
Tetrahydrofuran	(ug/m3)	1.18 U	0.82
Toluene	(ug/m3)	44.3	14.4
trans-1,2-Dichloroethene	(ug/m3)	0.79 U	0.4 U
trans-1,3-Dichloropropene	(ug/m3)	0.91 U	0.45 U
Trichloroethene	(ug/m3)	1.07 U	0.54 U
Trichlorofluoromethane	(ug/m3)	1.12 U	0.56
Vinyl Acetate	(ug/m3)	0.7 U	0.35 U
Vinyl bromide	(ug/m3)	0.88 U	0.44 U
Vinyl chloride	(ug/m3)	0.51 U	0.26 U
Sum of Constituents	(ug/m3)	492.77	203.30

Table 4 Soil Vapor Analytical Results Cosco Site Spring Valley, New York NYSDEC Site Number 0039409

Notes:

- μg/m³ = micrograms per cubic meter.
- The samples were analyzed by Chemtech –Mountainside, New Jersey, following "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition 1997, EPA/625/R-96/010B", Compendium Method TO-15, "Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)".

Qualifiers

- no qualifier The compound was positively identified at the associated numerical value which is the concentration of the compound in the sample.
- U Non-Detect. The compound was analyzed for, but not detected. The associated numerical value is the detection limit. The value is usable as a non-detect at the detection limit.
- J Estimated value. The value was designated as estimated as a result of the data validation criteria. The value is usable as an estimated result.

ATTACHMENT A Field Notes and Sampling Forms

Ē Ø344035-V-- 06S ß -C344035-64 0344035-GW-06 ∢ NTS K DO394409 Cosco 7 Thursday, January 26, 8006 344035-1-015 AUE. **B** 344035-GW-05 IDEAL CUSTOM CABINETS 8344035-V-05S 344035-V)-045 80344035-GW-08 O A CENTRAL COSCO FORMER × Ż RIAII WEST ST. 00 1 € 344035-Gw-04 0344035-GW-03 344035-V-045 8344035-V-035 Clear, Wind NW @ 10-15, High 20'S 0830 Mille Nigra (MN) and Todd March (Try) EAM collects Field Block (comprumt Hank) OF FRM annhe on Site W Kenthel Van. Town of Rockland and othe UR11 445. Chuck Alten of Environmental Cleany ECS Mobilizes to first leaps y which Ecs advance Maca-cope cut lo catron Site. site Using peristal the pup and poly tubing i's in the NW come of Building ravid upter samples dark to vater. Sample ID; 344035 FB (012606) cosco site. 36, 2006 town to ERM Warts for Utility maked Solutions, Inc. (ECS) arrives an Mork-out utilities at Cosco Cosco Site arrive on site to work-out 003940 9 344035 ERM and ECS Warth And ΝY 4 hursday, January Cosco to determine S. te # to be completed l'reject v4/148 0v Ramapo -Callection of N YS D&C ERM 0 Jeather: Purpose 0830 0 930 1230 1835 1240 1030 1130 (R)

NTV 00015 1000 NTU. 1 5 > 1000 NTU. S45 - TM Where Samuel Bam GW-02. them 0 2 Z 1605- EGS relocates to location 03. 59 Mgle JDS: 344035-6W-MS (012606) 344035 - GW - M5 D(01 26 06) Terpi Well Astallation - Ger - 03. Icels -Els bygins advancing coro-prose tor SCREN V'N 555- ECS , hatalls UP-02 to 7 695 ogins purping Tong. Well @ 0 2 monutes by Tay to be 8,00' 344035-64-02 For Sample 344035-V-ORS Sample ID: 344035-6W-02 1455-Ers sets bottom of screw ECS SELS TEMP. Well @ 02 ocatom ms0 1 advance Screen MA ETEM UN Crading 15 Temp. Well to 14' 1 M also callects MS ETUM MUDINES DTW ていとう J P 0039409 5 to mattog ample 19' bes de Twhendrigh Turbid rothi 523 [Jew] EN2M È 540---5051 535-515--Des -Ses 530-6W-01, Sample ID; 3440 35-6W-DUP(012606) mor notes that tubing had a getalevinand a slight shan is prevent on care TTM also collects duplicate sample from like " ador you removed have Temp. Well. ERM begins purging te up. Well the GW-01 and water has a sheen. oz. See diagram on pg.5 the location. Turbidity Reading is >1000 NTU. bottom of S-10' interval. 15 >1000 NTU. Reading 15 >1000 NTU. Ecs advonus geo-fabe at location Macu-care de Wet at ~ 10' bgs 12.5 Per location. Ecs installs . Vapor point - U-015 temp. Vell to 14' bys 330 TM collects sample from GW-01. ECS installs U-015 to 4' bgs 5.20' 695. Sample = D: 344035- 64-01 Thursday, Jaway 26, 2006 for sample 344035-V-015. page 5 for location. Location is GW-01. C05CD Reading × ~ See diagram on 1 ECS Stts and DTN 4 Turbidity Turbidi 4 せして 5 ee 1322. 1385 1320 1338 1305 1335 lays 1345 1300 1445 RE .

NW σ. 200 2006 14 13 47 Eriday, Javan 2012 5 202 572 Ramar Ø cattor 505) ERM OCA 0858-ENM 0845 EC 5 Blonk いい 2 0920-NYSN S RN who re 0859~ 818 0830 0835 0855 Ō 8.10 bound 1722 TM Checks OTN out wearenest Tem. Well Sample ID: 344035-64-03 -0500 20500 5 day, Journy 26, 2006 tar but Temp. 1 Purge Water is Still merky もも 1720 TM Collects sample from C leyer may ex 3t 1's 9.40'695 alke DTV V ECS Sets Vamme Pain Ne l 345 lle so ERM masures for sample Somory 200 les 1645 Ers Sets Trems ECS Sets Tem at location 1630 No Water is ERM begins Thurs day, A continue 1 0 ERM 126 1 725- 1 1735 1655 171S 1625 õ

SITE	SITE COSCU					DATE Zu Jan Ol					
PRC	DJECT NUMBER	<u>۲: ۲</u>	0 394	09							
SAN	/IPLE ID : <u>344</u>	035-	6-W-0	<u> </u>							
WEI	LL ID :	60	ハーロー				Time (Ti	me Offsite:	
SAN	/IPLERS :						0820)		1730	•
	m	N					مىنىيەروپىغانا دە يەرەپلەرلىكى مەرەپلەرمەر بەرەپلەرمەر بەرەپلەرمەر بەرەپلەرمەر بەرەپلەرمەر بەرەپلەرمەر بەرەپلەرمەر بەرەپلەرمەر				
	Depth of well (from to	op of casi	ng)			14	l –	Time:	1300	
	Static water lev								Time:	1300	
	Water level afte								Time:	/	
	Water level bef								Time:		•
D				Wo	ll Voli	1me	Calcula	ation	1 vol	ume 3	volumes
Pui					2 in. well:	i		ter x 0.16	•	gal. x3=	
	Bailer		eristaltic Pu	•	in. well:			ter x 0.36		gal. x 3 =	gal.
	Submersible	D	ed. Pump	- 4	in. well:			ter x 0.65		_gal. x 3 =	gal.
			J.	e	in. well:	-	ft. of wa	ter x 1.47	=	_gal. x 3 =	gal.
	Volume of w	ater ren	gal.	>3 vo	lumes: ye	5	no		purged dry?	yes	no
			B		,						
Fie	ld Tests:		Cand	Turb.	DO	т	emp.	DEP	SAL	TDS	ORP
	units	pH	Cond. mg/cm	NTU	g/L			-	-	g/L	mV
	Initial			1000 +	6/ -			j)		i
	_1_Volume	_	1								- Landone
_	_2-Volumes	-						/			
time	_3-Volumes	- 1		1000+			L				II
Sar	npling Time of Sample	e Colle	ection:	1330	, 						
	Collection Met	hod:		Ana	alyses:		Analy	tical Me			
	Disposa	ble baile	r			DCs -	8260	<u> </u>	503.1	- Other	
	Teflon b		_			/OCs etals					
	Dedicate Submers					CB/Pes	t	<u></u>			
	Low-Flo		•			NA					
	Other:				0	ther					
Ob	servations Weather/Temj	peratu	re: <u>Ĺ</u>	.ow Z	<i>d</i> 5 —	Sun	1/- i	~nd)	10-15 mg	h fam	W
	Sample Descrip	puon:					,				
	Free Pre		-	no		escrib					
			yes X	-	- de	escrib	$e \frac{he}{h}$	avy Sh	een eve oit-like	<u>n gri sai</u> 1	mples
~			yes 🗶		-						
Cor	nments: Purje	20+	enniche	, do	d.Her	ne	in Tu	chiel.f	took	E Sample	<u>c</u> at
	25	minut	וזיית ני	i ny				/			
	Du	·pica	te t	alen	nene	34	14 035-	-6-W-	DUPGIZa)	

PROJECT NUMBER: <u>00 39403</u> SAMPLE ID: <u>344035</u> , <u>600-02</u> Time Onsite: Time Offsite: SAMPLERS: <u>1730</u> Depth of well (from top of casing) <u>191</u> Static water level (from top of casing) <u>191</u> Water level after purging (from top of casing) <u>191</u> Water level after purging (from top of casing) <u>191</u> Water level before sampling (from top of casing) <u>191</u> Static water level (from top of casing) <u>191</u> Water level before sampling (from top of casing) <u>191</u> Static water level water removed: <u>1000 memory 1000 memory 1</u>	SITI							DATE		26 Jan	04	_	
WELL ID: $\Box w - c_Z$ Time Onsite: Time Offsite: SAMPLERS: $T m = 1$ $O S 2 L$ 173ω Depth of well (from top of casing) 19^4 Time: 152ω Static water level (from top of casing) 19^4 Time: 152ω Water level after purging (from top of casing) 19^4 Time: 152ω Water level after purging (from top of casing) 16^4 by 55^4 Time: 152ω Mater level after purging (from top of casing) 10^4 of water x 0.36 = $gal. x^{3.9} - gal.$ $gal. x^{3.9} - gal.$ Submersible Ded Pump $21n$ well: fh of water x 0.65 = $gal. x^{3.9} - gal.$ $gal. x^{3.9} - gal.$ Submersible Ded Pump $1n$ well: fh of water x 0.65 = $gal. x^{3.9} - gal.$ $gal. x^{3.9} - gal.$ Submersible $gal. x^{3.9} - gal.$ $aunis - mg/m NTU g/L - F - fg/L mNV gal. x^{3.9} - gal. Valume of water removed: gal. x^{3.9} - gal. aunis - mg/m NTU g/L - C - fg/L mNV gal. x^{3.9} - gal. Sampling Time of Sample Collection: 154'S 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' - 100' -$		•											
SAMPLERS: Image: constraint of the second state is the seco	SAN	APLE ID : 34			02								
Solve Edds prodet defines the set of the	WE	LL ID :	60	N-02						Т			
Depth of well (from top of casing)	SAN	APLERS :	m					087	20	_	1730	-	
Static water level (from top of casing)			mN							-		-	
Static water level (from top of casing) Time: $fS2\omega$ Water level after purging (from top of casing) Time: $fS2\omega$ Water level before sampling (from top of casing) Time: $fs2\omega$ Purging Method: Well Volume Calculation: 1 volume 3 volumes Bailer Low-Flow Pump 2 in well: ft of water $x0.65 =$ gal. $x3 =$ <th colspa<="" td=""><td></td><td>Depth of well</td><td>(from t</td><td>op of casi</td><td>ng)</td><td></td><td></td><td>. 19</td><td>J</td><td>Time</td><td>: 1520</td><td>_</td></th>	<td></td> <td>Depth of well</td> <td>(from t</td> <td>op of casi</td> <td>ng)</td> <td></td> <td></td> <td>. 19</td> <td>J</td> <td>Time</td> <td>: 1520</td> <td>_</td>		Depth of well	(from t	op of casi	ng)			. 19	J	Time	: 1520	_
Water level before sampling (from top of casing) Airlit Low-Flow Pump 2 in well: ft of water $\times 0.5^{\circ}$ gal. $\times 3^{\circ}$ gal. x^{3} y^{2} no <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td colspan="3">A. 1.</td> <td>- Time</td> <td colspan="3">Time: ISZ.</td>		-					A. 1.			- Time	Time: ISZ.		
Purging Method: Airlift Airlift Bailer Submersible Ded. Pump Bailer Volume of water removed: gal. >3 volumes: yes y = 1 to water x 0.65 y = 1 $x = 1$ $y = 1ft$ of water x 0.65 gal. x = 1 $gal. x = 1$ gal		Water level aft	er purg	ging (fron	n top of c	asing)			-	_ Time	<u> </u>	_	
Airlift Low-Flow Pump 2 in well: ft of water x 0.36 = gal. x3 = gal. Bailer Peristatic Pump 3 in well: ft of water x 0.36 = gal. x3 = gal. Submersible Ded. Pump 4 in well: ft of water x 0.36 = gal. x3 = gal. Volume of water removed:		Water level be	fore sa	mpling (f	rom top o	of casin	g)	. <u> </u>	-	_ Time	e:	-	
Airlit Low-Flow Pump 2 in. well: ft. of water x 0.36 = gal. x3 = gal. Bailer Ded. Pump 3 in. well: ft. of water x 0.36 = gal. x3 = gal. Submersible Ded. Pump 4 in. well: ft. of water x 0.36 = gal. x3 = gal. Volume of water removed: gal. x3 = gal. x3 = gal. yourne of water removed: gal. x3 = gal. x3 = gal. yourne of water removed: gal. x3 = gal. x3 = gal. yourne of water removed: gal. x3 = gal. x3 = gal. yournes gal. x3 volumes: yes no purged dry? yes no yes no purged dry? yes no gal. x3 = yournes gal. yournes no purged dry? yes no yes no gal. yournes no purged dry? yes no yes no gal. yournes yournes yournes yournes yes no	P111	rging Method	1:		We	ell Vol	ume (Calcula	ation:	1 vo	lume 3	volumes	
Bailer X Peristallic Pump 3 in. well: ft. of water x 0.36 = gal. $x3 =$ ga		0 0		ow-Flow Pu	imp	2 in. well	: 1	ft. of wa	ter x 0.16	5= 1	gal. x 3 =	gal.	
Submersible Ded. Pump 4 in. well: ft. of water x 0.65 = gal. x3 = <t< td=""><td></td><td>-</td><td></td><td></td><td>-</td><td>3 in. well</td><td>: 1</td><td>ft. of wa</td><td>ter x 0.36</td><td>5 =</td><td></td><td>gal.</td></t<>		-			-	3 in. well	: 1	ft. of wa	ter x 0.36	5 =		gal.	
Volume of water removed: gal. >3 volumes: yes no purged dry? yes no Field Tests: Imitia Imitia Imitia Imitia Imitia Imitia I		- Submersible	,		-	4 in. well	:	ft. of wa	ter x 0.65	5=		gal.	
gal. >3 volumes: yes no purged dry? yes no Field Tests: pH Cond. Turb. DO Temp. DEP SAL TDS ORP units - mg/cm NTU g/L C F - g/L mV Initial - 1000 f - - - - g/L mV Initial - 1000 f - - - - g/L mV Initial - 1000 f - <		-	COLUMN STREET			6 in. well	:	ft. of wa	ter x 1.47	7=	gal. x 3 =	gal.	
Field Tests: $\begin{array}{c c c c c c c c c c c c c c c c c c c $		Volume of w	ater rem		_			1		Ι.	. /	/	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				gal.	>3 vo	oiumes: y	es	<u> </u>		purged dry	yes		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Fie	ld Tests											
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	110.	ia 1000.	pH	Cond.	Turb.	DO	Te	emp.	DEP	SAL	TDS	ORP	
Initial 1000 f 1 <		units							-	Ā	g/L	mV	
$2 \forall vhames'$ $10 \otimes i$ $10 \otimes i$ Sampling Time of Sample Collection: 1545 Collection Method: Analyses: Analytical Method: Disposable bailer \times VOCs - 8260×503.1 Other Dedicated pump Metals Metals $=$ $=$ Dedicated pump PCB/Pest $=$ $=$ $=$ Δ Low-Flow Sampling MNA $=$ $=$ Observations Weather/Temperature: Surnry - Low 20'S - winds 10-15 mph West $=$ Sample Description: $=$ $=$ $=$ $=$ Free Product? yes no $=$ describe $=$ Odor? yes no $=$ $=$ $=$ $=$ Comments: $=$ $=$ $=$ $=$ $=$ $=$ $=$ $Metals$ $=$ <		Initial		1	1000 +			1			1	1	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		1-Volume-						Ì					
Sampling Time of Sample Collection: 1545 Collection Method: Analyses: Analytical Method: Disposable bailer X VOCs - 8260 X 503.1 Other Teflon bailer $SVOCs$ Dedicated pump Metals Submersible Pump PCB/Pest Low-Flow Sampling Other Other Observations Weather/Temperature: $Sunny - Low 20'S - winds 10-15 mph$ Weight Sample Description: Free Product? yes no X describe Sheen? yes no X describe Odor? yes no X describe Sheen? yes no X describe Odor? yes no X describe Odor? yes no X describe Odor? yes no X describe Odor? yes no X describe Sheen? yes no X describe Odor? yes no X describe August for 20 mm for 10 for yes m to those m to		2 Volumes						Í					
Time of Sample Collection: 1545 Collection Method:Analyses:Analytical Method:Disposable bailer X VOCs- 8260 X 503.1Dedicated pumpMetalsSubmersible PumpPCB/Pest X Low-Flow SamplingMNAOther:OtherObservationsSunny - Low 20'S - winds 10-15 mph WestWeather/Temperature:Sunny - Low 20'S - winds 10-15 mph WestSample Description:Image: Sheen? yes no describeFree Product? yes no describeImage: Sheen? yes no describeOdor? yes no describeImage: Sunny - Low 20'S - 6-w-m50 (cir260c) fullowMage: Graze Status fullows f	l	-3 Volumes			1000 \$	1							
Observations Weather/Temperature: Sunny - Low 20'S - winds 10-15 mph West Sample Description: Free Product? yes no X describe Sheen? yes no X describe Odor? yes no X describe Odor? yes no X describe Comments: funged for 20 mmates No change in tachidity NGS 344035 - 6-W-MS (012606) and 344035 - 6-W-MSD (012606) forkon	Sar	Time of Sampl Collection Met Dispose Teflon b Dedicat Submer Low-Flo	hod: able baile bailer ed pump sible Pur	r o np		alyses: V S P M P	VOCs Ietals CB/Pest INA	8260			Other		
Weather/Temperature: Sunny - Low 20'S - winds 10-15 mph West Sample Description: Free Product? yes no X describe Sheen? yes no X describe Odor? yes no X describe Odor? yes no X describe Comments: Purged for 20 mmmbs No change in Tarbidity NGS 344035 - G-W-M5 (012606) and 344035 - G-W-M5D (012606) forkon													
Free Product? yes no X describe Sheen? yes no X describe Odor? yes no X describe Comments: Purged for 20 mmmutes No change in Trabidity NES 344035 - G-W-M5 (012606) and 344035 - G-W-M5D (012606) forkon	Ob	Weather/Tem	-	re:	funny -	- Lou	203		nels 10	1-15mph	ives t		
Sheen? yes no X describe Odor? yes no X describe Comments: Purged for 20 mmmb nu change in the bidity NES 344035 - G-W-M5 (012606) and 344035 - G-W-M5D (012606) forker			•	ves	по 🗸	b	escribe	<u>, (</u>	<u> </u>		1		
Odor? yes no X describe Comments: Purged for 20 mm to thouge in to bidily NGS 344035 - GW-MS (012606) and 344035 - G-W-MSD (012606) forkon	•				- / ¥				$\overline{}$		<i>C</i>		
Comments: Purged for 20 mm to no change in the bidily NES 344035-6W-MS (012606) and 344035-6W-MSD (012606) forker				-						$ \times $	-		
Purged for 20 mm to shore in to-bidily MB 344035-GW-MS (012606) and 344035-GW-MSD (012606) forker	Car	monte	Ouor?	yes		<u> </u>	COLLIDE		/	<u> </u>		•	
19 344035-6W-MS (012606) and 344035-6W-MSD (012606) fuken	•			a ch-		hiliki			,				
	Y	urged for 201						1 21	Uner	- / ma	D Car i M	114	
		NEB	344	()) - (-	w-ms (01260	(4) "				~ (~ 2000	I tuken	

SITE (050	ن ب				DATE 26 Jan 06				
PROJECT NUMBE		6034	1409						
SAMPLE ID : 34	4035-	- 6-10-	03						
WELL ID : (-w-1	03			Time	Onsite:	Ti	Time Offsite:	
	-171				0 92 a	2		1730	
¥	nn								
Depth of well (from t	op of casi	ng)	24-	24	f'	Time	:	
Static water lev	•	-	-			4'13,5	Time	1722	
Water level aft	er purs	zing (fron	n top of ca	asing)			Time		
Water level be			-	0.	territori e territori		Time		
Purging Method	•		We	ll Volu	ıme Calcul	ation	1 vol	ume 31	volumes
Airlift		ow-Flow Pu		in. well:	1	ater x 0.16	1	gal. x3=	gal.
Bailer		eristaltic Pu	•	in. well:		ater x 0.36		gal. x 3 =	
Submersible		ed. Pump		in. well:		ater x 0.65			
		-	6	in. well:	ft. of wa	ater x 1.47	= 1	gal. x 3 =	gal.
Volume of x	ater rem			-			/	- 7	
	*	gal.	>3 vol	iumes: yes	а по	°——	purged dry?	yes	no
Field Tests:									
Field Tests.	pH	Cond.	Turb.	DO	Temp.	DEP	SAL	TDS	ORP
units	-	mg/cm	NTU	g/L	C F	-	-	g/L	mV
Initial		0,	Kiet+						
1-Volume-									
-2-Volumes									
trul 3 Volumes			1000 F						
Sampling Time of Sampl Collection Met	hod:		.172 Ana	lyses:	5	tical Me		O.I	
Disposa		er .)Cs - 8260	<u>`_X</u>	503.1	- Other	
Teflon b		_	-		OCs etals				
	ed pump sible Pur				B/Pest				
		•			•				
Other:		0		Otl					
Observations Weather/Tem Sample Descrij Free Pr	otion:		, 1-24,		IC-15-K	im U	1 400	nd feer	5
		-		-	scribe				
				•	scribe				
Commonte	Uaor?	yes	no 🗡	່ _T ທາ	SCHUE				
Comments:	1 6	-1 20	+ m	han p	in, nea	chanse	in tu,	bielity	tuck
	sam a	k ali	L 20	: 7n m	purgmy.				

Nrg o, 0 140 M C 2006 TD:34403 õ 37 2 2 4 January 2 B 20 50% 0 ξ 5 Q Ramar CRM *N* ocation Enday 2 0858-ENM 0845- ECS MW2 0850-Ers 5 0 VYS N N050. 0920 0830 0855 2830 0 TM Checks OTN out weathered pound 9 0 0 20 112mb. Well Sample ID: 344035-64-03 Thursday, Journy 26, 2066 for but Temp Purge Water is Still merky Q Q after may ex 3+ after do minutes of pung 1720 TM Collects Sample fram 072 riar Site 9.40'695 sets Vam Somory 2006 for sample ERM Majors -lew 1630 No Water is at location begins 1645 Ers Sets A confirmy 0 BCS Sets ERM 1655 ERM ECS i's , JU 1725 16 50 1722 14IS 1735 1625 ാ

÷ NHU, 2º ITC. 3W-06. 1001 7 (c) 1, 2006-000 21000 GW-06 3 VIOC Ŋ Tanvary 0039409 14000 ECS Installs 3.00% diagram on Friday 1 urbidita D/WOC 344035 ERM 50 - 7M Col فاطمن 2×1 1132-T 100% <u>||55</u>-5 at 2 location 5 ETS relacates to a and location that they west of a points, ECS advances Geographe at location 06. Š MUCKy. Water Locs not appear to be clearing 61-05 GN-06 ECS installs Vapor point for Sample ECS sets Temp. Well GN+06 to 19' bas. ECS reports refusal at 4'and 6' bys TM Collects sample from GW-05. ERM MURSURS DTW to be 5.58' bgs. See For Location. Samle still dark bown and 50 Well 13 Ref @ 14 Ecs relocates to Location 06. Sample ID: 344035-6W-05 Friday January 27, 2006 white Temp. Well bgs. acation be 8 Earn begins purging Temp. Well 2 P 2 C ECS installs voper point for 8 Julance diagram on page 5 DTW . þ rt sa ž 0036700 344035-0-055 344035+V-045 0955 Ecs relocates at location os SWI Bog ERM MASUNS Purge Water is Stody S ERM begins Battom of and Ecs 1195 0925 050 1055 1127 001 1120 1015 033 2001 1010 10.35 0401 Rum <u>0</u>

SITE Casco					DATE	27	Jan CG		
PROJECT NUMBER:		00394	09						
SAMPLE ID : 3440									
WELL ID :	Gw	- 04			Time C	Onsite:	Time Offsite	2:	
SAMPLERS :	TM				031	5	1200		
	ma	<i>)</i>							
					10	÷	Time: 0855		
	Depth of well (from top of casing)								
	Static water level (from top of casing)						Time: 0856	_	
Water level after		-					Time:		
Water level befo	re sar	npling (fr	om top o	f casing	g)		Time:	-	
Purging Method:			We	ll Vol	ume Calcula	ation:	1 volume	3 volumes	
Airlift	Ĺ	ow-Flow Pu		in. well:	-	ter x 0.16 =	1	4	
Bailer		eristaltic Pui	•	in. well:	ft. of wa	ter x 0.36 =	gal. x 3	= gal.	
Submersible		ed. Pump		in. well:	ft. of wa	ter x 0.65 =	gal. x 3	= gal.	
			6	in. well:	ft. of wa	ter x 1.47 =	gal. x 3	4 gal.	
Volume of wat	ter rem		N2 mol	umes: ye			purged dry? _yes	no	
		gal.	-5 /01	umes. y			puiged u.j		
Field Tests:									
	pН	Cond.	Turb.	DO	Temp.	DEP	SAL TDS	ORP	
units		mg/cm	NTU	g/L	C F	<u> </u>	- <u>g/L</u>	mV	
Initial			1800 +			/ -	///-	<u> </u>	
			├ -}		├ ── <i> </i> ──	<u>├ /</u> ├		+/	
2 Volumes			1000 F	++		+ + +		+-/	
Finul				I					
Sampling									
Time of Sample	Colle	ction:	0920	>					
C lleather Math	I.		A.m.a	dyses:	Apalw	tical Met	hod		
Collection Meth Disposabl		-	Alla				503.1 Othe	er	
Teflon bai		L		<u>/\</u>	VOCs	<u> </u>			
Dedicated		1	Constitution of the	M	letals				
Submersi				P	CB/Pest				
X Low-Flow	v Samp	ling		N	INA				
Other:				0	ther				
Observations									
			unny	Mid	205 10,000	ls (alr	n		
Weather/Tempe		e	<u>um q</u>	1.10					
Sample Description: / Free Product? ves no 🖌 describe									
Comments:	-	4.1.4	Clear	hole	~ 1000 N	TU'S IA	inited 20 minu	tes and	
GW was brow		3	CIEUX	10010	~ 7000 70.		<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>		
took se	amp	ц,							

SITE Cosco	DATE	275-066		
PROJECT NUMBER: 00 39409	_			
SAMPLE ID: 344035-6W-05				
WELL ID: $C W - \delta S$	Time On	site: Tir	ne Offsite:	
SAMPLERS: 7M7	820	820 1		
mN				
			_	
Depth of well (from top of casing)			1010	
Static water level (from top of casing)			1015	
Water level after purging (from top of casing)				
Water level before sampling (from top of casin	g)	Time:	2019-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Purging Method: Well Vol	ume Calculati	ion: 1 volu	ıme 3 volumes	
Airlift Low-Flow Pump 2 in. well		1	gal. x 3 = gal.	
Bailer X Peristaltic Pump 3 in. well	:ft. of water	x 0.36 =	gal. $x 3 = $ gal.	
Submersible Ded. Pump 4 in. well	:ft. of water		gal. $x 3 = $ gal.	
6 in. well	:ft. of water	x 1.47 =	gal. x 3 = gal.	
Volume of water removed: gal. >3 volumes: y	es no	purged dry?	yes no	
gal 5 volumes. y				
Field Tests:				
pH Cond. Turb. DO	Temp.	DEP SAL	TDS ORP	
units - mg/cm NTU g/L	CF	<u> </u>	g/L mV	
Initial 1040 +				
<u> </u>				
-2 Volumes				
- S Volumes - 1000 + 1	<u> </u>	````		
Sampling				
Time of Sample Collection:				
Collection Method: Analyses:	Analytic	al Method:		
	OCs - 8260		Other	
	VOCs	A		
	fetals			
	CB/Pest			
Low-Flow Sampling	ÍNA			
Other: C	other			
Observations				
	hzo's u	inds (alm		
	<u></u>			
Sample Description:	anariha			
	onoriho			
	escribe			
Comments:				

ما كان SITE		DATE 27 Jan 06					
PROJECT NUMBER: 0039409							
SAMPLE ID: 344035- 6-W-06							
WELL ID: Cur-oco		Time (Onsite:	Ti	me Offsite:		
SAMPLERS : TM		0820	ð		1230		
mN							
	ia h	d					
	19 b			. Time:		,	
Static water level (from top of casing	g))	•	Time:		
Water level after purging (from top	of casing)	<u>~</u>	<u> </u>	. Time:			
Water level before sampling (from t	op of casing)		Time:			
Purging Method:	Well Volu	ıme Calcula	ation:	1 vol		volumes	
Airlift Low-Flow Pump	2 in. well:	ft. of wa	ter x 0.16	=	_gal. x 3 =	<u> </u>	
Bailer Peristaltic Pump	3 in. well:		ter x 0.36		gal. x 3 =		
Submersible Ded. Pump	4 in. well:		ter x 0.65		gal. x3 =	°	
Volume of water removed:	6 in. well:	ft. of wa	ter x 1.47		_gal. x 3 =	<u> </u>	
	>3 volumes: yes	no no		purged dry?	yes	по	
Field Tests:		Tomm	DEP	SAL	TDS	ORP	
pH Cond. Tu units - mg/cm NI		Temp.	DEF	- OAL	۲D3 g/۲	mVj	
units - mg/cm N1			\uparrow	1	6/2		
-I Volume							
2Votumes	-1	1	1				
Find - 3 Volumes / 1000 4				١	Ì		
		,					
Sampling	1150						
Time of Sample Collection:	////						
Collection Method:	Analyses:	Analy	tical Me	ethod:			
Disposable bailer	<u> </u>)Cs - 8260	<u>_X</u> _	503.1	Other		
Teflon bailer		OCs					
Dedicated pump		etals					
Submersible Pump	PC M1	B/Pest					
Low-Flow Sampling - Other:	N11						
Observations	.1.1	_ 1	. 1	c i			
Weather/Temperature: Sunny	y Hish	ZO'S U	ind (("Im			
Sample Description: /							
Free Product? yes no	🖌 de	scribe					
Sheen? yes no							
Odor? yes no X describe							
Comments:		r _	, A <i>i</i>			r	
	ring pur	sing. Jur	bidity	Stayed	1000+	NTUS	
<u>Sampled a Her ZO MI</u>	nuites of	puiping		<u></u>			

€. PKSSUR = - 29.5" Ha AHN 4-9 P.L Pressure = -28"/Hg hessure = -291" Hy E. -025 w/ PED 3 Salmple 344035-V-025, Summa Con 3 S Cark Carding dering pring is 0. 344035-U-045. Summo Can 0930- ERM MOLC/1745 to U-035 V-035 W Purgety 1's vana (an February 3, 2006 59 Preging . でちょう - ERIM Brands purgend 344035-0-035. 0954- TM Juns 'on Schm 2 entroller #10 645 ler # 10649 5tact Time: 0943 Peak leading during Gatesler# 10624 Start Time : 0928 1200 0039409 Th Me: 0954 uns on 949 20500 ERMA pertarm 0937-ERM hegins 1 V-035 anisher # 1 anisher#1 Enday-THY tum なしたいして Heli'um ample 0928- TM orthor Sample 0939-0 95/ 0943 reals 120 leading down puging is 20.3 pm. of ERIM andre on site w/dental van. during 3 runs. Erm checked atmaphere 1 45°F derh (my) in - poly structure and etcloum is detected U-045 . No Helinm de fictel for pant 270-U egupment to Sil MN Calibrates PINE COSCO. observed in variation U-045 No infrittation of litering was Porpore: Collection of Soil Vapor _ Sampl Car PHD. NYSDEC UT'E Site - COSED Weather Overcast, Rain, Wind S @570 mph egenpment Friday, February 3, 2006 No 2000 120 to 103 10 m NYSDEC Site # 344035 ERM Paject # 0039409 Mike Nigra(mw) and Todd 100 ppm 7 salutylen pind pupit bryan sampling of Uoper white 1 PIED Reading dury ERM Mobilizes EXM Webers 2 EXM begins 1 Port V-045 Peals P 0815 ShBO 0855 0915 Ogas 0 900 R.V. 12

alo-TM shuts off summa cath at U-015 U-055, Final Pressure Reding is -2"Hg ΰ. Final Pressure Redings : V-015= -1"Hg 1230- TM shuts off Summa Can at V-065 1143- Tru shuts off Summa can at V-035 Summa can at V-OZ Dup = -3" H9 Ho mai / Summa laas- TM shuts off Summa Can at V-045. Final Presture Roding is -21" Reding is - 2" Hg luading is -1.5" 1128-TM shuts off Summa Can at 1130-MN notes to see dragram on and duplicate Summa can. Friday, Februay 3, 2006 ount locat メシュ Reading 1 0059409 ERM off-site for all Soil vapor 1 Final Presure Final Pressure Final Pressure 1154-TM Shuts off 2006 5 ans Les North -0261 -M Purging is alispon. Sample 30: 344035- V-DUP(020306). Summa 2016: ERM begins puging V-055 w/ PAD. Peak leading during purging is 31.5pm. ERM Hains purging V-065 u/ PED. Peak leading during purging is 9.6ppm. TM turns on summa Can Collecting Sample 344035-V-065, Summa Con Into: PNSSUME = -29.5"Hy 59 mple <u>344035-V-055,</u> Summa Can Into! Pressure = - 28" Hg wing punder 15 3. 2 poul. Pressure = - 30"Hg Collecting Pressure = -218 " Hg Erm also collocts duplicate from 015. Summa Can Lito: EXM Egins Anging U-015 u/ PFD. Can Callecting Friday, Februg 3, 2006 TM TURNS ON SUMMA Can Controller # 10623 TW there by Somma Canister # 10156 Sample 344035- V-015. Start Time: 1025 Conister # 10590 Controller # 10180 Cantraller # 10 618 Start Time 1010 Start Tim: 1010 Canister # 10009 10140/101 # 10 043 Time: 1030 Canister # 10052 Peak heading 1030 1022 IORS 1027 1010 1008 Z 4

	Environmental Resourc	es Management		Project #	0039409
	5788 Widewaters Parkw Dewitt, New York 13214 Phone: (315) 445-2554	ay -		Project Name Location	Cosco
ERM	Fax: (315) 445-2543			Project Manager	<u>KP</u>
Sample Location:	Cosco			Collector(s):	tin
Address:	behind building				mN
PID Meter Used: (Model, Serial #)	Mini ree	200		Building No:	
SUMMA Canister Re				lanan an	
IND	OOR AIR (IA)		L VAPOR (SV)	Ουτdος	DR SOIL GAS (OA)
Canister Serial No.:	ſ	Canister Serial No.:	10009	Canister Serial No.:	1.
Flow Controller Id No:		Flow Controller Id No:	10180	Flow Controller Id No:	
Start Date/Time:		Start Date/Time:	10009 10180 3F-606/1010 29.5 3F-600/1210	Start Date/Time:	
Start Pressure: (inches Hg) ¹		Start Pressure: (inches Hg) ¹	29.5	Start Pressure: (inches Hg) ¹	
Stop Date/Time:		Stop Date/Time:	3 Fd 06/1210	Stop Date/Time:	
Stop Pressure: (inches Ha) ²		Stop Pressure: (inches Hg) ²	ĺ	Stop Pressure: (inches Hg) ²	
Sample ID:		Sample ID:	35-V-01S	Sample ID:	
Other Sampling Info	rmation:	n an			
PID Reading (ppm)		PID Reading (ppm) Room & as purged	3.2	PID Reading (ppm)	
Story/Level	Change of	Ground Surface (pavement, concrete, grass)521- Q	dirt 4.0.4 bgs	Depth of Vapor Probe	
Room	Coltri b	Slab thickness (if applicable)	· · · · · · · · · · · · · · · · · · ·	Distance from Building	
Indoor Air Temp (°F)		Potential Vapor Pathways Observed?	None	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)		Noticeable Odor?	NU	Intake Tubing used?	
Noticeable Odor?			NO	Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O ₂ /CO ₂ /CH ₄	A	Noticeable Odor?	
Duplicate Sample?		Duplicate Sample?	Y = S 344035-V-DeP(620306)	Duplicate Sample?	
Comments:					1
1Verify pressure did quality with laboratory	not decrease noticeably from la supplied pressure gauges. Do	aboratory reported value tot utilize Summa canist	(QC limit is 0.029 psi over 24 hour er with greater than 3 psi pressure	s). Project objective is a difference	3 psi decrease due to limited
2 - If final pressure do		pressure, send sample;	to lab regardless, however note HC		(COC). Also note for the lab to
	ey should be specifically reques				
Verify project objective	es in regards to holding time (H	C) and inform laboratory	on the COC if HT is 14 days and n	ot the method suggested	30 days.
	m				
Signature:					

	Environmental Resourc			Project#	mo 390409
	5788 Widewaters Parkw Dewitt, New York 13214 Phone: (315) 445-2554	way		Project Name	00390409 (orco
Val Philipan	Fax: (315) 445-2543			Project Manager.	<u>kr</u>
Sample Location:	Casco	and the state of the	Electronic and a second s	Collector(s):	tm
Address:	behind build Mini 20	1ry			mN
PID Meter Used: (Model, Serial #)	mini 2	20		Building No:	/
SUMMA Canister Rec					
INDC	oor air (IA)	sor	IL VAPOR (SV)	OUTDOOR	R SOIL GAS (OA)
Canister Serial No.:		Canister Serial No.:	10590	Canister Serial No.:	/
Flow Controller Id No:		Flow Controller Id No:	10618	Flow Controller Id No:	
Start Date/Time:		Start Date/Time:	10618 3F2614/1010 30	Start Date/Time:	
Start Pressure: (inches Hg) ¹		Start Pressure: (inches Hg) ¹	30	Start Pressure: (inches Ha) ¹	
(inches Hg) Stop Date/Time:		Stop Date/Time:	3Febou/ 1210	Stop Date/Time:	
Stop Pressure: (inches Hg) ²		Stop Pressure: (inches Hg) ²	3	Stop Pressure: (inches Hg) ²	
Sample ID:		Sample ID: 3440?	35-U-DVP(020302)	Sample ID:	·
Other Sampling Inform	mation:		An	na construction and a state of the second	
PID Reading (ppm)		PID Reading (ppm) Room & as purged	3.2	PID Reading (ppm)	
Story/Level		Ground Surface (pavement, concrete, grass)	Pirt	Depth of Vapor Probe	
Room	Ugar Di	Slab thickness (if applicable) and Set C	4.0' 655	Distance from Building	
Indoor Air Temp (°F)		Potential Vapor Pathways Observed?	Nonp	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)		Noticeable Odor?	NO	Intake Tubing used?	
Noticeable Odor?				Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O ₂ /CO ₂ /CH ₄		Noticeable Odor?	
Duplicate Sample?		Duplicate Sample?	YRS 07 744035-V-015	Duplicate Sample?	1/
Comments:		L	<u></u>		
1,- Verify pressure did r	not decrease noticeably from?	aboratory reported value	(QC limit is 0/029 psi over 24 hou	rs), Project objective is a 3	psi decrease due to limited
2 - If final pressure does	es not change much from initial	I pressure, send sample t	ter with greater than 3 psi-pressure to lab regardless, however note H		OC). Also note for the lab to
	ssure in house and contact the sy should be specifically reques				
·····································		the second s	on the COC if HIT is 14 days and r	not the method suggested 3	0 davs
		Article and the second second	A STATE OF ST	AND THE REAL PROPERTY OF THE P	
······································					
Signature: T	r.n				

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	Environmental	Resources Management		Project#	0036409
	5788 Widewate Dewitt, New Yo Phone: (315) 44	ers Parkway ork 13214 45=2554		Project Name:	<u>Coseo</u>
ERM	Fax: (315) 445-	2543		Project Manager	<u>p</u> p
Sample Location:	Cosc	$\overline{\mathbf{\omega}}$	ACCESSION OF THE REAL PROPERTY	Collector(s):	TM
Address:		,+ 5+			miv
PID Meter Used: (Model, Serial #)	min	n. Rue Zaza		Building No:	
SUMMA Canister Red	cord:				
IND	OOR AIR (IA)	SO	IL VAPOR (SV)	OUTDOO	R SOIL GAS (OA)
Canister Serial No.:		Canister Serial No.:	10 5 91	Canister Serial No.:	
Flow Controller Id No:		Flow Controller Id No:	18649	Flow Controller Id No:	
Start Date/Time:		Start Date/Time:	3 Feb 04 6954	Start Date/Time:	
Start Pressure: (inches Hg) ¹		Start Pressure: (inches Hg) ¹	5	Start Pressure: (inches Hg) ¹	
Stop Date/Time:		Stop Date/Time:	35eb06/1154	Stop Date/Time:	
Stop Pressure: (inches Hg) ²		Stop Pressure: (inches Hg) ²	3	Stop Pressure: (inches Hg) ²	
Sample ID:		Sample ID:	1035-V-02S	Sample ID:	
Other Sampling Infor	rmation:				
PID Reading (ppm)		PID Reading (ppm) Room & as purged	1.17 ppn	PID Reading (ppm)	
Story/Level		Ground Surface (pavement, concrete, grass)	Pajermt	Depth of Vapor Probe	
Room		Slab thickness (if applicable) Vr.por punt sat	5" formul Set & 7,0° b; s	Distance from Building	
Indoor Air Temp (°F)		Potential Vapor Pathways Observed?	none	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)		Noticeable Odor?	NU	Intake Tubing used?	
Noticeable Odor?				Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O ₂ /CO ₂ /CH ₄		Noticeable Odor?	
Duplicate Sample?		Duplicate Sample?	NU	Duplicate Sample?	$\overline{\mathbf{v}}$
Comments:	Ť		1	and a construction of the second s	. And an a stand and a stand and a stand and a stand and a stand a stand a stand a stand a stand a stand a stan
1 - Verify pressure did	not decrease notice	eably from laboratory reported value pauges . Do not utilize Summa canist	QC limit is 0.029 psi over 24 h	ours). Project objective is a 9	si decrease due to limited
2 - If final pressure doe	es not change much	h from initial pressure, send sample;	to lab regardless, however note		COC). Also note for the lab to!
		I contact the ERM QA/QC coordinato ically requested on the COC (I.e. TC			
[5] 《中国法法》:《中国长》:"你你们的你们的是你们的问题。"	an address of the state of the	ding time (HT) and inform laboratory	SPIRES PROVIDE HILL AND A SAME SAME AND AND A SAME AND A	d not the method suggested.	30 days.
<u> Maand Properties and an an</u>	The officer of the second second second	nie - Gebrie is standard to an a standard standard	TRANSFORMENT COMPANY AND	The first difference is a second s	AND A CONTRACT OF A CONSISTENCY CONTRACT.
<u>.</u>	A				
Signature:	-cm				

	Environmental Resourc	es Management		Project #	0039409
	5788 Widewaters Parkw Dewitt, New York 13214 Phone: (315) 445-2554			Project Name	<u>C0890</u>
ERM	Fax: (315) 445-2543			Project Manager	12P
Sample Location:	the Cosco		nandra olan ayarata ka ana ka ana ka ayar ayar ka ayar ayar ka ayar ka ayar	Collector(s):	TM
Address:	Westst Mini Ru				me
PID Meter Used: (Model, Serial #)	mini Ra	L 2000		Building No:	
SUMMA Canister Re					
IND	OOR AIR (IA)	SOI	L VAPOR (SV)	OUTDOOI	R SOIL GAS (OA)
Canister Serial No.:		Canister Serial No.:	10021	Canister Serial No.:]
Flow Controller Id No:		Flow Controller Id No:	10645	Flow Controller Id No:	
Start Date/Time:		Start Date/Time:	10021 10645 3F6604/5943	Start Date/Time:	
Start Pressure: (inches Hg) ¹		Start Pressure: (inches Hg) ¹	29	Start Pressure: (inches Hg) ¹	
Stop Date/Time:		Stop Date/Time:	3Fb06/1143	Stop Date/Time:	
Stop Pressure: (inches Hg) ²		Stop Pressure: (inches Hg) ²	1.5	Stop Pressure: (inches Hg) ²	
Sample ID:		Down In ID.	35-1-35	Sample ID:	4. 2
Other Sampling Info	rmation:				
PID Reading (ppm)		PID Reading (ppm) Room & as purged	O.9	PID Reading (ppm)	
Story/Level		Ground Surface (pavement, concrete, grass)	Concrete	Depth of Vapor Probe	
Room	Vaporset	Slab thickness (if applicable)	5'conch set e & b bsi	Distance from Building	
Indoor Air Temp (ºF)		Potential Vapor Pathways Observed?	5' conch set e & b bss Passed Helium testel	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)		Noticeable Odor?	NO	Intake Tubing used?	
Noticeable Odor?				Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O ₂ /CO ₂ /CH ₄		Noticeable Odor?	
Duplicate Sample?	J.	Duplicate Sample?	NO	Duplicate Sample?	Y
Comments:	C				
guality with laboratory 2- If final pressure doi determine the final pre If TICs are required the	supplied pressure gauges. Do r es not change much from initial assure in-house and contact the ey should be specifically reques	iot utilize Summa canist pressure: send sample t ERM QA/QC coordinato ted on the COC (Lie: TO	The approximation of the state	e difference. IOLD on chain-of-custody (C	COC). Also note for the lab to
Signature:7	r.m				

	Environmental Resour			Project #:	00396409
	5788 Widewaters Park Dewitt, New York 1321 Phone: (315) 445-2554	way 4		Project Name	(csco
ERM	Fax: (315) 445-2543			Project Manager	R
Sample Location:	Spring Valley	P		Collector(s):	ТM
Address:	west St.				mN
PID Meter Used: (Model, Serial #)	m.ni za	200		Building No:	
SUMMA Canister Red	cord:				
IND	DOOR AIR (IA)	sor	IL VAPOR (SV)	OUTDOO	DR SOIL GAS (OA)
Canister Serial No.:		Canister Serial No.:	10491	Canister Serial No.:	1
Flow Controller Id No:	[]	Flow Controller Id No:	10624	Flow Controller Id No:	
Start Date/Time:		Start Date/Time:	10491 10624 3Fable (AZE	Start Date/Time:	
Start Pressure: (inches Hg) ¹		Start Pressure: (inches Hg) ¹		Start Pressure: (inches Hg) ¹	
(inches Hg) * Stop Date/Time:		Stop Date/Time:	3Feb06/1128	Stop Date/Time:	
Stop Pressure: (inches Hg) ²	[]	Stop Pressure: (inches Hg) ²		Stop Pressure: (inches Hg) ²	
Sample ID:		Sample ID: 34403	35-V-04S	Sample ID:	
Other Sampling Infor	rmation:				T
PID Reading (ppm)		PID Reading (ppm) Room & as purged	20.3 pm	PID Reading (ppm)	
Story/Level		Ground Surface (pavement, concrete, grass)	Concrete	Depth of Vapor Probe	
Room	Ve	Slab thickness (if applicable) In F powits at C	511 set e Sie by	Distance from Building	
Indoor Air Temp (°F)		Potential Vapor Pathways Observed?	5 ¹¹ set e Sio by Passed Helium tested	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)		Noticeable Odor?	NO	Intake Tubing used?	
Noticeable Odor?				Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O ₂ /CO ₂ /CH ₄		Noticeable Odor?	
Duplicate Sample?		Duplicate Sample?		Duplicate Sample?	
Comments:					
1,-Verify pressure did	I not decrease noticeably from	laboratory reported value	QC: limit is 0.029 psi over 24 hot	urs): Project objective is a 3	3 psi decrease due to limited
2 - If final pressure doe	es not change much from initia	al pressure, send sample t	ter with greater than 3 psi pressure to lab regardless however note H		COC) Also note for the lab to
determine the final pre-	essure in house and contact th ey should be specifically reque	he ERM QA/QC coordinato	OC.		
· 注意,不可用,是自己和你不能能。如此是我的马	计存在的 网络马克莱斯伊尔马克斯 化石 化乙酸乙酸乙酸乙酸	第二次的管理部分的公式的资源的资源和中国公式的资源和中国公式的资源和中国公式的公式的公式的公式的公式的公式的公式的公式的公式的公式的公式的公式的公式的公	on the COC If HT is 14 days and		2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
n an	ATTAC CONTRACTOR AND	Ender States and a second second second	1977 (1971) (1972) (1977) (197	CREESERF FRANKER AND	And the second
Signature:	tun				

	Environmental Resource 5788 Widewaters Parkw Dewitt, New York 13214 Phone: (315) 445-2554 Fax: (315) 445-2543	/ay		Project# Project Name Location Project Manager	0039408 Correc Ka
Sample Location:	Lvsco	YEAR AND MENDERING SECTION OF THE	NAJENA, INA 2010, INA MANUNIKATIKA MANUNIKATIKA MANUNIKATIKA MANUNIKATIKA MANUNIKATIKA MANUNIKATIKA MANUNIKATI	Collector(s):	tm
Address:		JE.			mN
PID Meter Used:	W central A mini Ro	e Zaud		Building No:	
(Model. Serial #) SUMMA Canister Re					
IND	oor air (IA)	SOI	L VAPOR (SV)	OUTDOC	DR SOIL GAS (OA)
Canister Serial No.:		Canister Serial No.:	10156	Canister Serial No.:	
Flow Controller Id No:		Flow Controller Id No:	10623	Flow Controller Id No:	
Start Date/Time:		Start Date/Time:	3Feb06/ 1025	Start Date/Time:	
Start Pressure:		Start Pressure: (inches Hg) ¹	28	Start Pressure: (inches Hg) ¹	
(inches Hg) ¹ Stop Date/Time:		Stop Date/Time:	3 Febaco 1225	Stop Date/Time:	
Stop Pressure: (inches Hg) ²		Stop Pressure: (inches Hg) ²		Stop Pressure: (inches Hg) ²	
Sample ID:		Sample ID:	5-v-05S	Sample ID:	
Other Sampling Info	rmation:				
PID Reading (ppm)		PID Reading (ppm) Room & as purged	21.5	PID Reading (ppm)	
Story/Level		Ground Surface (pavement, concrete, grass)	Paveount	Depth of Vapor Probe	
Room	No.	Slab thickness (if applicable)	5-" 521@ 70'bis Nual	Distance from Building	
Indoor Air Temp (°F)		Potential Vapor Pathways Observed?	Nual	Intake Height Above Ground Level (ft.)	
Intake Height Above Floor Level (ft.)		Noticeable Odor?	nd	Intake Tubing used?	
Noticeable Odor?				Distance to nearest Roadway (ft.)	
Barometric Pressure ("Hg or mb)		Percent O ₂ /CO ₂ /CH ₄		Noticeable Odor?	
Duplicate Sample?		Duplicate Sample?	No	Duplicate Sample?	l
Comments:					
quality with laboratory 2-II: final:pressure do determine the final pre II: fillCs are required th	supplied pressure gauges. Do es not change much from initia ssure in house and confact the ey should be specifically reque	not utilize:Summa canist I pressure: send sample e ERM QA/QC: coordinato sted on the COC (Le: TC		edifference OLD on chain-of-custody	(COC), Also note: for the lab 16-
Signature:	tim				

	The start of the second start of the start of the second start of	ources Management		Project#	039441
Store in the second besteril	5788 Widewaters P Dewitt-New York 1	The second s		Project Name	Core
	Phone: (315) 445-25	i54		Location: Project Manager	<u>//</u>
EKM	Fax: (315) 445-254				
Sample Location:	Cusco			Collector(s):	ton
Address:			-1 -	tm MW	
PID Meter Used:		A zecol		Building No:	
Model, Serial #)		hal con			
SUMMA Canister Rec		SOI	L VAPOR (SV)	OUTDOOF	SOIL GAS (OA)
Canister Serial No.:	DOR AIR (IA)	Canister Serial No.:		Canister Serial No.:	1
Janister Senai No	č (Canater Senar No	10032		
Flow Controller Id		Flow Controller Id No:	10643	Flow Controller Id No:	
Start Date/Time:		Start Date/Time:	3 Fabrie / 1030	Start Date/Time:	
				Start Pressure:	
Start Pressure: inches Hg) ¹		Start Pressure: (inches Hg) ¹	29	(inches Hg) ¹	
Stop Date/Time:		Stop Date/Time:	3Fabor / 1230	Stop Date/Time:	
itop Pressure:		Stop Pressure: (inches		Stop Pressure: (inches	
inches Hg) ²		Hg) ²		Hg) ²	
Sample ID:		Sample ID: 34403	35-J-06S	Sample ID:	
Other Sampling Infor	mation:				
PID Reading (ppm)	mation.	PID Reading (ppm)		PID Reading (ppm)	
ND Reading (ppm)		Room & as purged	9.6	, and a second second	
Story/Level		Ground Surface	ل ال	Depth of Vapor Probe	
		(pavement, concrete, grass)	dirt		
Room		Slab thickness (if		Distance from Building	
		Potential Vapor	4.5'695	Intake Height Above	
ndoor Air Temp (°F)		Pathways Observed?	Hun-l	Ground Level (ft.)	1
			1000		
ntake Height Above Floor Level (ft.)		Noticeable Odor?	n IA	Intake Tubing used?	
			No		
Noticeable Odor?				Distance to nearest Roadway (ft.)	
Barometric Pressure		Percent O ₂ /CO ₂ /CH ₄		Noticeable Odor?	
"Hg or mb)					
Duplicate Sample?		Duplicate Sample?	A 10	Duplicate Sample?	
	1		Nu		L
Comments:					
- Verify pressure did	not decrease noticeably	from laboratory reported value	(QC:limit is 0:029:ps::over 24:h er with greater:than:3:psi pressu	ours): Project, objective is a 3 ire difference.	psi decrease due to limited
- If final:pressure:doe	estrotichange much from	initial pressure, send sample.	lo lab regardless/ howeven note	HOLD on chain-of-custody (COC), Also note-for the lab to
letermine the final pre	ssure in-house and cont	act the ERMICA/OC coordinate	DC		
			-15+10 RCs) on the COC II HT is 14 days and		30/days
veniy projectopjective					n er en mennen som en
Signature: "YU	-m				
Signature:	- · · · ·	······			

ATTACHMENT D <u>Data Usability Report and Data Validation Report for Ground Water</u>

ENVIRONMENTAL Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS

USEPA Region II - Level IV Review

Site: <u>NYSDEC-VI Sites - Site 344035, COSCO</u> SDG #: <u>ME0092</u>

Client: <u>ERM-Northeast, Inc., Melville NY</u> Date: <u>March 24, 2006</u>

Laboratory: Mitkem Corporation, Warwick RI Reviewer: Christine Garvey

		Laboratory Sample ID	Matrix
EDS ID	Client Sample ID	E0092-01A	Water
1	344035-TRIP BLANK	E0092-01A E0092-02A	Water
2	344035-FB (012606)		Water
3	344035-GW-01	E0092-03A	Water
4	344035-GW-02	E0092-04A	Water
4 MS	344035-GW-02 MS	E0092-04A MS	Water
4 MSD	344035-GW-02 MSD	E0092-04A MSD	Water
4 MBD	344035-GW-03	E0092-05A	Water
6	344035-FB (012706)	E0092-06A	Water
	344035-GW-04	E0092-07A	Water
8	344035-GW-05	E0092-08A	Water
	344035-GW-06	E0092-09A	Water
<u>9</u> 10	344035-DUP (012606)	E0092-10A	vv ater

The USEPA Region II SOP HW-24, Revision 1, June 1999: Validating Volatile Organic Compounds by SW-846 Method 8260B was used in evaluating the data in this summary report.

<u>Sample Conditions/Problems</u> - The Traffic Reports/Chain-of-Custody Records, Sampling Report and/or Laboratory Case Narrative did not indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Surrogates - All samples exhibited acceptable surrogate recoveries.

Matrix Spike - The matrix spike samples exhibited acceptable %R values.

Laboratory Control Sample - The LCS sample(s) exhibited acceptable %R values.

<u>Method Blank</u> - The method blank was free of contamination with the exception of the following.

Г	Diank ID	Compound	Conc.	Action Level	Qualifier	Affected Samples	
	Blank ID	*	ug/L	ug/L 10	U	2,4,5,6,7,8,9	
	VBLK14	Methylene chloride Naphthalene	1	5	U	1,3,5	ļ

Trip, Field, Equipment Blank - Field QC results are summarized below.

	Compound	Conc.	Action Level	Qualifier	Affected Samples
Blank ID	Compound	ug/L	ug/L		
Trip Blank FB012606	None Chloroform	ND 1	5	U	5 Non-detect
FB012000	Chloroform	1	5	None	Non-deteet

<u>GC/MS Instrument Performance Check</u> - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

<u>Target Compound List (TCL) Analytes</u> - The Form Is were present with the required header information. All mass spectral data were included and no discrepancies were identified.

Tentatively Identified Compounds (TIC) - TICs were not present in the samples.

Compound Quantitation and Reported Detection Limits - No discrepancies were identified.

<u>GC/MS Initial Calibration</u> - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values except the following:

		%RSD/RRF	Oualifier	Affected Samples
ICAL Date	Compound		UJ	1-10
	Acetone	%RSD=60.7		1-10
02/01/06	Methylene chloride	%RSD=15.2	UJ	
		%RSD=25.6	UJ	1-10
	Vinyl acetate		UJ	1-10
	2-Butanone	%RSD=25.3		1-10
		%RSD=21.3	J/UJ	
	Chloroform	%RSD=29.5	UJ	1-10
	2-Hexanone			1-10
	Naphthalene	%RSD=31.8	UJ	
1	Tupittitutene			

<u>GC/MS Continuing Calibration</u> - The continuing calibrations exhibited acceptable %D and RRF values except the following:

	Compound	%D/RRF	Qualifier	Affected Samples
CCAL Date 02/02/06	Compound 2-Hexanone	%D=25.9	None	Already qualified
02/02/00	Naphthalene	%D=23.3	None	Already qualified

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Field Duplicates - Field duplicate results are summarized below.

		012606)	RPD	Qualifier
Compound	344035-GW-01	344035-DUP (012606)	КD	X
Competition	ug/L	ug/L	40/	None
	23	24	4%	
Vinyl chloride		57	5%	None
Cis-1-2-dichloroethene	54	11	0%	None
Toluene	<u> </u>		NC	None
Ethylbenzene	1J	5U	0%	None
1,2,4-Trimethylbenzene	1J	IJ		None
	1J	5U	NC	
1,2,3-Trichlorobenzene	1 1	1J	0%	None
Trichloroethene	IJ	15		

1A NALYSIS DATA SHEET

VOLATILE ORGANICS ANALISI	
Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0092
Matrix: (soil/water) WATER	Lab Sample ID: E0092-03A
	Lab File ID: V1H3042
	Date Received: 01/30/06
	Date Analyzed: 02/02/06
% Moisture: not dec.	Dilution Factor: 1.0
GC Column: DB-624 ID: 0.25 (mm)	Soil Aliquot Volume:(uL)
Soil Extract Volume:(uL)	
	CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3777-01-4777-01-4777-01-4777-07-0-3777-07-07-07-07-07-07-07-07-07-07-07-0	Iodomethane Carbon Disulfide Methylene Chlor Nethyl tert-but Nethyl tert-but Nethyl tert-but 2-Butanone 2-Butanone 2,2-Dichloropro Bromochlorometh Chloroform 1,1,1-Trichloropro Carbon Tetrachl Carbon Tetrachl 	methane ene ide oroethene yl ether ane oethene pane oethane opene loropropene ethane ropropene ide pane oethane opene loropropene		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: MITKEM CORPORATION Contract Lab Code: MITKEM Case No.: SAS No. Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Level: (low/med) LOW % Moisture: not dec. _____ GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume: _____(uL)

	GW-01
: SDG	No.: ME0092
Lab Sample ID	: E0092-03A
Lab File ID:	V1H3042
Date Received	1: 01/30/06
Date Analyzed	1: 02/02/06
Dilution Fact	cor: 1.0
Soil Aliquot	Volume:

CAS NO.

COMPOUND

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

Q

(uL)

,					1
	42-28-91,3-Dichloropropane 27-18-4Tetrachloroethene 591-78-62-Hexanone 124-48-1Dibromochloromethane 106-93-41,2-Dibromoethane 108-90-7Chlorobenzene 530-20-61,1,1,2-Tetrachloroethane		5 T 5 T 5 T 5 T 5 T	ม บ บ บ บ บ บ บ บ บ	
	100-41-4Etnylbenzene 95-47-6m,p-Xylene 95-47-6o-Xylene 1330-20-7	-	5 5	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	
	103-65-1n-PropyIDell2elle 95-49-82-Chlorotoluene 108-67-81,3,5-Trimethylbenzene 106-43-44-Chlorotoluene 98-06-6tert-Butylbenzene 95-63-61,2,4-Trimethylbenzene 135-98-8sec-Butylbenzene 99-87-64-Isopropyltoluene 99-87-64-Isopropyltoluene		5 5 5 5 5 1 5 5 5 5 5	บ บ บ บ บ บ บ บ บ บ บ บ บ บ บ บ บ บ บ	
	541-73-11, 3 Dichlorobenzene 106-46-71, 4-Dichlorobenzene 104-51-8n-Butylbenzene 95-50-11, 2-Dichlorobenzene 96-12-81, 2-Dibromo-3-chloropropane 120-82-11, 2, 4-Trichlorobenzene 87-68-3Naphthalene 91-20-3Naphthalene 87-61-61, 2, 3-Trichlorobenzene		رم مار ان ان ان ان ان ان	0 0 0 0 0 0 0 0 0 0 0 0	.5

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344035 GW-01

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.:
Matrix: (soil/water) WATER	
Sample wt/vol: 5.000 (g/mL) ML	۰ ۱
Level: (low/med) LOW	
% Moisture: not dec.	
GC Column: DB-624 ID: 0.25 (mm)	• •
Soil Extract Volume:(uL)	

•	
•	SDG No.: ME0092
	Lab Sample ID: E0092-03A
	Lab File ID: V1H3042
	Date Received: 01/30/06
	Date Analyzed: 02/02/06
	Dilution Factor: 1.0
	Soil Aliquot Volume:(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT =======	EST. CONC.	Q =====
======================================				
1				
2				[
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7				-
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9				-
11				_
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		-		
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26				
27				
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29			-	
JU.				

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET 344035 DUP012606 Contract: Lab Name: MITKEM CORPORATION SDG No.: ME0092 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: E0092-10A Matrix: (soil/water) WATER Lab File ID: V1H3047 5.000 (g/mL) ML Sample wt/vol: Date Received: 01/30/06 LOW (low/med) Level: Date Analyzed: 02/02/06 % Moisture: not dec. Dilution Factor: 1.0 (mm) ID: 0.25 GC Column: DB-624 Soil Aliquot Volume: _____(uL) Soil Extract Volume:_____(uL) CONCENTRATION UNITS: 0 (ug/L or ug/Kg) UG/L COMPOUND CAS NO.

CID NO.			
74-87-3777-01-47777-01-47777-00-37777-69-47777-69-47777-67-64-1777775-09-277775-09-277775-09-277775-09-277775-09-277775-09-277775-09-277775-09-277775-09-277775-09-01-00-00-00-00-00-00-00-00-00-00-00-00-	lodomethalle Carbon Disulfide Nethylene Chloride trans-1,2-Dichloroethene Nethyl tert-butyl ether 1,1-Dichloroethane 2-Butanone 2-Butanone 2,2-Dichloroethene 2,2-Dichloropropane 2,2-Dichloropropane 2,2-Dichloroethane 2,2-Dichloroethane 2,2-Dichloroethane 2,2-Dichloroethane 2,2-Dichloroethane 2,2-Dichloroethane 2,2-Dichloroethane 2,2-Dichloroethane 1,1-Dichloroethane 1,2-Dichloropropane 1,2-Dichloropropane 	5	
79-00-5	1,1,2-Trichloroethane		

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

VOLATILE ORGANICS ANALYSIS	DATA SHEET DUP012606
Lab Name: MITKEM CORPORATION CO	ntract:
	AS No.: SDG No.: ME0092
Matrix: (soil/water) WATER	Lab Sample ID: E0092-10A
	Lab File ID: V1H3047
	Date Received: 01/30/06
Tever: (Tow) weat	Date Analyzed: 02/02/06
% Moisture: not dec.	Dilution Factor: 1.0
GC Column: DB-624 ID: 0.25 (mm)	
Soil Extract Volume:(uL)	Soll Aliquet volume:
	CONCENTRATION UNITS:

(uq/L or ug/Kg) UG/L

CAS NO.	COMPOUND (Ug/L OI Ug/I	
127-18-4 591-78-6 124-48-1 106-93-4 108-90-7 630-20-6 100-41-4 95-47-6 1330-20-7 100-42-5 98-82-8 75-25-2 98-82-8 108-86-1 96-18-4 103-65-1 96-18-4 106-43-4 95-63-6 135-98-8 106-46-7 104-51-8 95-50-1 96-12-8	<pre></pre>	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

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344035 DUP012606

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORE	PORATION
Lab Code: MITKEM (Case No.:
Matrix: (soil/water)	WATER
Sample wt/vol:	5.000 (g/mL) ML
Level: (low/med)	LOW
% Moisture: not dec.	
GC Column: DB-624	ID: 0.25 (mm)
Soil Extract Volume:	(uL)

Contract:		
SAS No.:	SDG No.: ME0092	
	Lab Sample ID: E0092-10A	
	Lab File ID: V1H3047	
	Date Received: 01/30/06	
	Date Analyzed: 02/02/06	
	Dilution Factor: 1.0	
	Soil Aliquot Volume:(u	L)

Number TICs found: 0

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

	COMPOUND NAME	RT =======	EST. CONC.	Q ====
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30				

03/24/06

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

VOLATILE ORGANICS ANALYSI	5 DATA BILLIT 34403 5 GW-02
	Contract:
Lab Name: MITKEM CORPORATION	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0092
	Lab Sample ID: E0092-04A
Matrix: (soil/water) WATER	
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V1H3039
Sample wt/vol: 5.000 (g/mL) ML	
Level: (low/med) LOW	Date Received: 01/30/06
Level: (low/med) LOW	
% Moisture: not dec.	Date Analyzed: 02/02/06
% MOISLUIE: NOU dee.	$T_{\rm ext} = 1.0$
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
GC COLUMNI. DD CLL	Soil Aliquot Volume:
Soil Extract Volume:(uL)	SOLL ALIQUOL VOLUME.

CAG NO

COMPOUND

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

Q

_(uL)

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume:_____(uL)

	GW-02
Contract:	
SAS No.: SDG	No.: ME0092
Lab Sample ID	: E0092-04A
Lab File ID:	V1H3039
Date Received	: 01/30/06
Date Analyzed	: 02/02/06
Dilution Fact	or: 1.0
Soil Aliquot	Volume:

CAS NO.

COMPOUND

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

Q

(uL)

CAS NO.	COM COM S		
127-18-4	Dibromochloromethane 1,2-Dibromoethane Chlorobenzene Ethylbenzene m,p-Xylene m,p-Xylene m,p-Xylene xylene (Total) Styrene Styrene Isopropylbenzene 1,1,2,2-Tetrachloroethane	555555555555555555555555555555555555555	

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344035 GW-02

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	MITKEM CORE	PORATION	Contract:
Lab Code:	MITKEM (Case No.:	SAS No.:
Matrix: (soil/water)	WATER	
Sample wt	/vol:	5.000 (g/mL) ML	
Level:	(low/med)	LOW	
% Moistur	e: not dec.	<u> </u>	
GC Column	1: DB-624	ID: 0.25 (mm)	
Soil Extr	act Volume:	(uL)	•

ontract:	
SAS No.:	SDG No.: ME0092
Lab Samp	le ID: E0092-04A
Lab File	ID: V1H3039
Date Red	eived: 01/30/06
Date Ana	lyzed: 02/02/06
Dilution	Factor: 1.0
Soil Ali	quot Volume:(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT =	EST. CONC.	Q ====
=======================================				
1 _				
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.1		-		
.2		-		
.3		-	· .	
4		-		
L5		-		
L6			1	
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21				
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23.			-	_
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27.			-	_
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29				_
30.				

Black

344 035 GW-03

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: MITKEM CORE	PORATION
Lab Code: MITKEM (Case No.:
Matrix: (soil/water)	WATER
Sample wt/vol:	5.000 (g/mL) MI
Level: (low/med)	LOW
% Moisture: not dec.	I
GC Column: DB-624	ID: 0.25 (mm)
Soil Extract Volume:	(uL)

Contract:	
SAS No.:	SDG No.: ME0092
	Lab Sample ID: E0092-05A
	Lab File ID: V1H3043
	Date Received: 01/30/06
	Date Analyzed: 02/02/06
	Dilution Factor: 1.0
	Soil Aliquot Volume:(uL)

CAS NO.

COMPOUND

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

Q

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	1A		EPA SAMPLE NO.	
VOLATILE	ORGANICS ANALYSIS	3 DATA SHEET	344 03 5 GW-03	
Lab Name: MITKEM CORI	PORATION (Contract:		
Lab Code: MITKEM (Case No.:	SAS No.: SDG	No.: ME0092	
Matrix: (soil/water)	WATER	Lab Sample ID	: E0092-05A	
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V1H3043	
Level: (low/med)	LOW	Date Received	l: 01/30/06	
% Moisture: not dec.		Date Analyzed	1: 02/02/06	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fact	cor: 1.0	
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:((uL)
		CONCENTRATION UNITS	5:	

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L Q

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GW-03

1EVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: Lab Name: MITKEM CORPORATION SAS No.: Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Lab File ID: 5.000 (g/mL) ML Sample wt/vol: Level: (low/med) LOW % Moisture: not dec. ID: 0.25 (mm) GC Column: DB-624 Soil Extract Volume:_____(uL)

SDG No.: ME0092 Lab Sample ID: E0092-05A V1H3043 Date Received: 01/30/06 Date Analyzed: 02/02/06 Dilution Factor: 1.0

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT = =======	EST. CONC.	Q =====
1				
2.				
3				· · · · · · · · · · · · · · · · · · ·
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30				_ I

03/24/06

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

344035 GW-04 Contract: Lab Name: MITKEM CORPORATION SDG No.: ME0092 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: E0092-07A Matrix: (soil/water) WATER V1H3044 Lab File ID: 5.000 (g/mL) ML Sample wt/vol: Date Received: 01/30/06 (low/med) LOW Level: Date Analyzed: 02/02/06 % Moisture: not dec. Dilution Factor: 1.0 ID: 0.25 (mm) GC Column: DB-624 Soil Aliquot Volume: _____(uL) Soil Extract Volume:_____(uL) CONCENTRATION UNITS: · Q

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND (ug/L or ug/Kg) UG/L	Q
74-87-3777-01-4777-01-4777-075-07-3777-07-07-07-07-07-07-07-07-07-07-07-0	Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone Iodomethane Carbon Disulfide Methylene Chloride trans-1,2-Dichloroethene Methyl tert-butyl ether 1,1-Dichloroethane Vinyl acetate 2-Butanone 2,2-Dichloropropane 2,2-Dichloropropane 2,2-Dichloropropane 1,1,1-Trichloroethane 1,1,1-Trichloroethane 1,2-Dichloropropene 2,2-Dichloropropene 2,2-Dichloropropene 1,2-Dichloropropene 2,2-Dichloropropene 2,2-Dichloropropene 2,2-Dichloropropene 2,2-Dichloropropene 2,2-Dichloroethane 2,2-Dichloropropane 2,2-Dichloropropane 2,2-Dichloropropane 2,2-Dichloropropene 2,2-Dic	5 5 5 5 5 5 5 5 5 5 5 5 5 5

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1A VOLATILE ORGANICS ANALY	ISIS DATA SHEET	GW-04
Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	DAD NO.:	G No.: ME0092
Matrix: (soil/water) WATER	Lab Sample I	D: E0092-07A
Sample wt/vol: 5.000 (g/mL) M		· · · · ·
Level: (low/med) LOW	Date Receive	
% Moisture: not dec.	Date Analyze	ed: 02/02/06
GC Column: DB-624 ID: 0.25 (mm	n) Dilution Fac	
Soil Extract Volume:(uL)	Soil Aliquo	t Volume:(uL)
CAS NO. COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg) U	IS: G/L Q

142-28-9		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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VOLATILE TENTA	ORGANI ATIVELY	CS ANAL IDENTI	YSIS FIED	DATA COMPO	SHEET UNDS
Lab Name: MITKEM CORI	PORATIO	N	Co	ntrac	t:
Lab Code: MITKEM	Case No	. :	5	SAS No	.:
Matrix: (soil/water)	WATER				Lab
Sample wt/vol:		(g/mL)	ML		Lab
Dom'T					

LOW

1E

(low/med) Level: % Moisture: not dec. ___ GC Column: DB-624 ID: 0.25 (mm)

Soil Extract Volume:_____(uL)

344035 GW-04 ct: SDG No.: ME0092 lo.: Lab Sample ID: E0092-07A Lab File ID: V1H3044 Date Received: 01/30/06 Date Analyzed: 02/02/06 Dilution Factor: 1.0 Soil Aliquot Volume: _____(uL)

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT =======	EST. CONC.	Q =====
=======================================				
1				
2.				
3			-	
4				
5	-			
6				.
7				-
8				-
9				-
0				-
1.				-
.2				-
.3		_		-
_4 -		-		-
5		_		-
6		-		-
	· · · · ·	-	•	-
L8			-	-
20			-	
21		-	-	
22				
23.		-	-	
24			-	
25				
26				
27		-		
28.				
29				
30			-	

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34455 GW-05

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

				GN 05
Lab Name: MITKEM CORE	ORATION	Contract:		
	Case No.:	SAS No.:	SDG	No.: ME0092
Matrix: (soil/water)	WATER		Lab Sample ID	: E0092-08A
	5.000 (g/mL) ML		Lab File ID:	V1H3045
Sample wt/vol:	LOW		Date Received	: 01/30/06
Level: (low/med)			Date Analyzed	: 02/02/06
% Moisture: not dec.			Dilution Fact	
GC Column: DB-624	ID: 0.25 (mm)			
coil Extract Volume:	(uL)		Soil Aliquot	Volume:

ot Volume:

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

Q

(uL)

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/L	 	Q
74-87-3 75-01-4 75-00-3 75-69-4 75-35-4 75-35-4 75-15-0 75-09-2 156-60-5 1634-04-4 75-34-3 163-05-4 78-93-3 156-59-2 590-20-7 74-97-5 590-20-7 74-97-5 56-23-5 56-23-5 56-23-5 107-06-2 71-43-2 79-01-6 78-87-5 74-95-3 75-27-4 108-10-1 108-88-3	Iodomethane Carbon Disulfi Methylene Chlo trans-1,2-Dich Methyl tert-bu 1,1-Dichloroet 2-Butanone Cis-1,2-Dichloropr Bromochloromet Chloroform 1,1,1-Trichlon 1,2-Dichloropr Carbon Tetrach	omethane hene de ride loroethene tyl ether hane proethene copane hane ropene nloride thane ne e methane ntanone hloropropene			 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

03/24/04

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

VOLATILE ORGANICS ANALYSIS DATA S	July 03 5 GW-05
Lab Name: MITKEM CORPORATION Contract	
Lab Code: MITKEM Case No.: SAS No.	: SDG No.: ME0092
Matrix: (soil/water) WATER	Lab Sample ID: E0092-08A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V1H3045
Level: (low/med) LOW	Date Received: 01/30/06
	Date Analyzed: 02/02/06
<pre>% Moisture: not dec</pre> CC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
GC COLUMN: DB-024 ID: 0111 (Soil Aliquot Volume:(uL)
Soil Extract Volume:(uL)	

COMPOUND

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

Q

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(uL)

- 1

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

VOLATILE ORGANICS ANALYSIS DATA 5 TENTATIVELY IDENTIFIED COMPOU	NDS 344035 GW-05
Lab Name: MITKEM CORPORATION Contract	
Lab Code: MITKEM Case No.: SAS No.	: SDG No.: ME0092
Matrix: (soil/water) WATER	Lab Sample ID: E0092-08A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V1H3045
Level: (low/med) LOW	Date Received: 01/30/06
% Moisture: not dec.	Date Analyzed: 02/02/06
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT =======	EST. CONC.	Q =====
=======================================				
1				
2				
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10				
11.		·		
12		-		
13				-
14				
16	×	-		-
17 _		-		_
18				-
19 20		_		
21		-	·	-
22		-	-	
23		-		
24			_	
25			-	
26			-	
28.		-		
29.				
30				1

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1A	EPA SAMPLE I
VOLATILE ORGANICS ANALYSI	S DATA SHEET 344 035 GW-06
Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0092
Matrix: (soil/water) WATER	Lab Sample ID: E0092-09A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V1H3046
Level: (low/med) LOW	Date Received: 01/30/06
% Moisture: not dec.	Date Analyzed: 02/02/06
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:
	CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

(uL)

CAS NO.	COMPOUND (ug) I OI ug)	J, .	
74-87-3775-01-47775-00-37775-00-37775-07-0775-07-07-075-07-07-075-07-07-075-07-07-07-07-07-07-07-07-07-07-07-07-07-	Trichlorofluoromethane 1,1-Dichloroethene Acetone Iodomethane Carbon Disulfide Carbon Disulfide trans-1,2-Dichloroethene trans-1,2-Dichloroethene 	5	5 5 5 5 5 5 5 5 5 5 5 5 5 5

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

VOLATILE ORGANICS ANALIDI	3 Dittil 2	
Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0092	
Matrix: (soil/water) WATER	Lab Sample ID: E0092-09A	
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V1H3046	
Level: (low/med) LOW	Date Received: 01/30/06	
<pre>% Moisture: not dec</pre>	Date Analyzed: 02/02/06	
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0	
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL))
SOLI EXCLACT VOLUME.	CONCENTRATION UNITS:	

CAS NO.

COMPOUND

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

CAS NO.	CO/11 0 0212	
$\begin{array}{c} 142-28-9\\ 127-18-4\\ 591-78-6\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 108-90-7\\ 100-41-4\\ 100-41-4\\ 100-41-4\\ 100-42-5\\ 100-42-5\\ 100-42-5\\ 100-42-5\\ 95-25-2\\ 98-82-8\\ 98-82-8\\ 108-86-1\\ 98-86-1\\ 98-86-1\\ 98-86-1\\ 95-49-8\\ 108-67-8\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-50-1\\ 96-12-8\\ 96-12-8\\ 87-68-3$	 Dibromochloromethane 1, 2-Dibromoethane Chlorobenzene Chlorobenzene Chlorobenzene T, 1, 1, 2-Tetrachloroethane Ethylbenzene -o-Xylene -o-Xylene -o-Xylene -styrene -Bromoform -Isopropylbenzene -1, 1, 2, 2-Tetrachloroethane -Bromobenzene -1, 1, 2, 2-Tetrachloroethane -Bromobenzene -1, 2, 3-Trichloropropane -n-Propylbenzene -2-Chlorotoluene -1, 3, 5-Trimethylbenzene -2-Chlorotoluene -1, 2, 4-Trimethylbenzene -1, 2, 4-Trimethylbenzene -1, 3-Dichlorobenzene -1, 4-Dichlorobenzene -1, 2-Dichlorobenzene -1, 2, 4-Trichloropropane -1, 2, 4-Trichloropropane -1, 2-Dichlorobenzene -1, 2, 4-Trichlorobenzene 	5 U U U 5 5 U U U U U U U U U U U U U
87-61-6	1,2,3-Trichlorobenzene	- 30

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1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract:

SAS No.:

Lab Name: MITKEM CORPO	ORATION
Lab Code: MITKEM C	ase No.:
Matrix: (soil/water)	WATER
Sample wt/vol:	5.000 (g/mL) ML
Level: (low/med)	LOW
% Moisture: not dec.	
GC Column: DB-624	ID: 0.25 (mm)
Soil Extract Volume:	(uL)

	GM-06	
SDG	No.: ME0092	
Lab Sample ID	: E0092-09A	
Lab File ID:	V1H3046	
Date Received	: 01/30/06	
Date Analyzed	l: 02/02/06	
Dilution Fact	or: 1.0	
Soil Aliquot	Volume:	(uL)

1-

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
=======================================	=======================================	== ========		
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1				
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9	· · · · · · · · · · · · · · · · · · ·			
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11				-
12				-
12				-
13				-
14				-
15				-
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17				_
18				_
19				_
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26				_
27				_
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03/24/06

VOLATILE ORGANICS ANALYSIS DATA SHEET 344035-FB012606 Contract: Lab Name: MITKEM CORPORATION SDG No.: ME0092 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: E0092-02A Matrix: (soil/water) WATER Lab File ID: V1H3037 Sample wt/vol: 5.000 (g/mL) ML Date Received: 01/30/06 LOW Level: (low/med) Date Analyzed: 02/02/06 % Moisture: not dec. Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: _____(uL) Soil Extract Volume:_____(uL) CONCENTRATION UNITS:

1A

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-87 74-87-37 75-01-477 75-00-3777 75-69-47777 75-69-4-77777 75-69-4-777777 75-15-0-77777777777777777777777777777777	Dichlorodifluoro Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoror 1,1-Dichloroetha Acetone Iodomethane Carbon Disulfida Methylene Chlor trans-1,2-Dichloroetha Vinyl acetate 2-Butanone 2.2-Dichloropro 2,2-Dichloropro Bromochlorometha Chloroform 1,1-Dichloropro Carbon Tetrach Chloroform 1,2-Dichloropro Benzene Trichloroethen 1,2-Dichloropro Bromodichlorom Cis-1,3-Dichlorom 	methane methane e ide oroethene yl ether ane oethene pane pane pane poethane poethane opene hane opene hane popene hane popene hane popene hane hane popene hane hane	5	5 5 5 5 5 5 5 5 5 5 5 5 5 5

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17	EPA SAMPLE NO.
1A VOLATILE ORGANICS ANALYSI	S DATA SHEET 300035- FB012606
Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: ME0092
Matrix: (soil/water) WATER	Lab Sample ID: E0092-02A
THE CONTRACT NT	Lab File ID: V1H3037
Sampre wey tert	Date Received: 01/30/06
Level: (low/med) LOW	Date Analyzed: 02/02/06
% Moisture: not dec.	
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q
142-28-91,3-Dichlorop	propane5U thene5U

127-18-4 591-78-6 124-48-1 106-93-4 630-20-6 100-41-4 95-47-6 1330-20-7 100-42-5 98-82-8 75-25-2 98-82-8 108-86-1 96-18-4 108-67-8 108-67-8 106-43-4 95-63-6 135-98-8 99-87-6 541-73-1 106-46-7 104-51-8	Dibromochloromethane 1,2-Dibromoethane Chlorobenzene 1,1,1,2-Tetrachloroethane Ethylbenzene m,p-Xylene o-Xylene Xylene (Total)		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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	ODCANTCS	ANALYSIS	DATA	SHEE'I'
VOLATILE		DENTIFIED	COMPO	DUNDS
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Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Level: (low/med) LOW % Moisture: not dec. _____ GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume: ____(uL)

	FB012606
Contract:	
SAS No.: SDG	No.: ME0092
Lab Sample ID	: E0092-02A
Lab File ID:	V1H3037
Date Received	: 01/30/06
Date Analyzed	1: 02/02/06
Dilution Fact	cor: 1.0
Soil Aliquot	Volume:(uL)
CONCENTRATION UNITS (ug/L or ug/Kg) ug,	5: /L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT =======	EST. CONC.	Q =====
======================================				·
3 4				
5 6 7				
8 9 10		-	-	
11				
13 14 15		-		
16 17 18				
19 20				
21 22 23				
24 25 26				
27 28				_
29 30				

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EPA	SAMPLE	NO.
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1A NTCS ANALYSIS DATA SHEET

VOLATILE ORGANICO PAGINICO	FB012706
Lab Name: MITKEM CORPORATION Cont	ract:
CAC	No.: SDG No.: ME0092
	Lab Sample ID: E0092-06A
Matrix: (soil/water) WATER	Lab File ID: V1H3038
Sample wt/vol: 5.000 (g/mL) ML	
Level: (low/med) LOW	Date Received: 01/30/06
% Moisture: not dec.	Date Analyzed: 02/02/06
	Dilution Factor: 1.0
	Soil Aliquot Volume:(uL)
SOLI EXCLACE VOLUME	CONCENTRATION UNITS:
	$\sqrt{1}$ $\sqrt{1}$ $\sqrt{1}$ $\sqrt{1}$ $\sqrt{1}$ $\sqrt{1}$ $\sqrt{1}$ $\sqrt{1}$ $\sqrt{1}$

CAS NO.	COMPOUND	(ug/L or ug/kg/	00, =	
75-71-87 74-87-37 75-01-47 75-00-37 75-69-477 75-69-4777 75-69-4-7777 75-15-0-7777 75-09-2-7777 75-09-2-7777 75-09-2-7777 75-09-2-7777 75-34-3-7777 75-34-3-7777 75-34-3-7777 78-93-3-7777 78-93-3-7777 74-97-5-7777 74-97-5-7777 563-58-6-7777 563-58-6-7777 563-58-6-77777 563-58-6-77777 79-01-6-777777 79-01-6-7777777777777777777777777777777777	Iodomethalle Carbon Disulfid Nethylene Chlor trans-1,2-Dichl Nethyl tert-but Vinyl acetate 	methane ene ide oroethene yl ether nane coethene pane pane nane opene loride hane nopene loride hane nopene loride hane nopene loride hane hane		

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

३५५*७३ ई* FB012706 Lab Name: MITKEM CORPORATION Contract: SDG No.: ME0092 SAS No.: Case No.: Lab Sample ID: E0092-06A Matrix: (soil/water) WATER Lab File ID: V1H3038 5.000 (g/mL) ML Date Received: 01/30/06 LOW Date Analyzed: 02/02/06 % Moisture: not dec. Dilution Factor: 1.0 ID: 0.25 (mm) Soil Aliquot Volume: _____(uL) Soil Extract Volume:_____(uL)

GC Column: DB-624

(low/med)

Lab Code: MITKEM

Sample wt/vol:

Level:

COMPOUND

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

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1EVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1H3038 Level: (low/med) LOW % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume:____(uL)

344035 FB012706

SDG No.: ME0092 Lab Sample ID: E0092-06A Date Received: 01/30/06 Date Analyzed: 02/02/06 Dilution Factor: 1.0 Soil Aliquot Volume: _____(uL) CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L

Number TICs found: 0

EST. CONC. Q RTCOMPOUND NAME CAS NUMBER _____ ____ ======= ______ 1. 2._ 3._ 4._ 5._ 6._ 7._ 8._ 9._ 10._ 11._ 12. 13.__ 14.__ 15.__ 16.__ 17. 18. 19. 20. 21. 22. 23. 24. 25. 26._ 27. 28. 29. 30.

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VOLATILE ORGANICS ANALYSIS DATA SHEET TRIPBLANK Lab Name: MITKEM CORPORATION Contract: SDG No.: ME0092 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: E0092-01A Matrix: (soil/water) WATER V1H3036 Lab File ID: 5.000 (g/mL) ML Sample wt/vol: Date Received: 01/30/06 LOW Level: (low/med) Date Analyzed: 02/02/06 % Moisture: not dec. Dilution Factor: 1.0 ID: 0.25 (mm) GC Column: DB-624 Soil Aliquot Volume: _____ Soil Extract Volume:_____(uL) CONCENTRATION UNITS:

1A

COMPOUND

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

Q

(uL)

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VOLATILE ORGANICS ANALYSIS DATA SHEET Contract: Lab Name: MITKEM CORPORATION SDG No.: ME0092 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: E0092-01A Matrix: (soil/water) WATER Lab File ID: V1H3036 5.000 (g/mL) ML Sample wt/vol: Date Received: 01/30/06 LOW Level: (low/med) Date Analyzed: 02/02/06 % Moisture: not dec. Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: _____(uL) Soil Extract Volume:_____(uL) CONCENTRATION UNITS:

1A

	CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K	g) UG/L		Q	
			220		5 U	Г	
	142-28-9	-1,3-Dichloroprop			5 U	Г	
	127-18-4	Tetrachloroether	1e		5 4	FUJ	-
	FO1 70-6	2-Hexanone			5 U		
	121-48-1	Dibromochlorome	nane	-	5 0		
	106-93-4	1,2-Dibromoetha	ne		5 T		
		-Chlorobenzene			5 1		
	630-20-6	1,1,1,2-Tetrach	loroetnane		5 1		
	100-41-4	Ethylbenzene			5 0		
÷		m,p-Xylene			510	J	
					510	J	
	1330-20-7	Xylene (Total)_				J	
	1 100 - 42 - 5	Styrene				U	
	75-25-2	Bromoiorm				U	
		Taonronvinenzen	e		5		
	79-34-5	1,1,2,2-Tetrach	loroethane	•		U TT	
	1 100 06 1	Bromobenzene			55555555	U TT	
	106 - 18 - 4	1,2,3-Trichlord	propane				
		n-Propylbenzene			2	0	
		2-Chiorotoluelle			5	U .	
		1,3,5-Trimethyl	benzene		2	0	
		4-Chlorotoluene	2		5	U	
		tert-Butylbenze	ene		5	U	
	98-00-0	1,2,4-Trimethy	benzene			U	
	125 08 8	sec-Butylbenzer	ne			U	
		4-Isopropyltolu	lene		5	U	
	99-87-8	1,3-Dichlorober	nzene	· .	5	U	
		1,4-Dichlorobe	nzene		5	U	
		n-Butylbenzene			5	U	
		-1 2-Dichlorope	nzene		5 5 5	υ	
	95-50-1	1,2-Dibromo-3-	chloropropane		5	U	
	96-12-8	1,2,4-Trichlor	obenzene			ប	
		Hexachlorobuta	diene		5	υ	5
	87-68-3	Naphthalene		· ·	5 r		$\mathcal{A}\mathcal{J}$
	91-20-3	Naphthalene 1,2,3-Trichlor	obenzene		5	U	
	87-6T-6						

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VOLATILE	ORGANIC	S	ANALYSIS	DATA	SHEET
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· ·		
Lab Name: MITKEM CORE	PORATION	Contract
Lab Code: MITKEM	Case No.:	SAS No.
Matrix: (soil/water)	WATER	
Sample wt/vol:	5.000 (g/mL) ML	
Level: (low/med)	LOW	
% Moisture: not dec.		
GC Column: DB-624	ID: 0.25 (mm)	
Soil Extract Volume:	(uL)	

	TRIPBLANK	
:	·	
: SDG	No.: ME0092	
Lab Sample ID	: E0092-01A	
Lab File ID:	V1H3036	
Date Received	: 01/30/06	
Date Analyzed	: 02/02/06	
Dilution Fact	or: 1.0	
Soil Aliquot	Volume:(u	ட)

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

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT =======	EST. CONC.	
======================================			· · · · · · · · · · · · · · · · · · ·	
1				
2				
3				
5	· · ·			
6	· · · · · · · · · · · · · · · · · · ·			
7	· · ·			
8				<u></u>
9				
L.L				
LZ.	·			
L3.				
L4.				
15				
16				
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18				
20				
21		_		
22		- <u></u>		
23				
24.		-	.	<u> </u>
25.		-		
26.			•	
27		-	· [
28		-		
2		-		
30			•	

FORM I VOA-TIC

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ATTACHMENT E Data Usability Report and Data Validation Report for Soil Vapor

ENVIRONMENTAL Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS

USEPA Region II - Level IV Review

Site: <u>NYSDEC - IV Sites - 344035 - COSCO</u> SDG #: <u>X1262</u>

Client: <u>ERM, Northeast Inc., Melville NY</u> Date: <u>April 5, 2006</u>

Laboratory: <u>Chemtech, Mountainside NJ</u> Reviewer: <u>Christine Garvey</u>

		Laboratory Sample ID	Matrix
EDS ID	Client Sample ID	X1262-01	Air
	344035-V-01S		Air
	344035-V-01S DL	X1262-01 DL	Air
1 DL	344035-V-02S	X1262-02	Air
2	344035-V-02S DL	X1262-02 DL	Air
2 DL		X1262-03	
3	344035-V-03S	X1262-04	Air
4,	344035-V-04S	X1262-04 DL	Air
4 DL	344035-V-04S DL	X1262-05	Air
5.	344035-V-05S	X1262-05 DL	Air
5 DL	344035-V-05S DL		Air
	344035-V-06S	X1262-06	Air
6	344035-V-06S DL	X1262-06 DL	Air
6 DŁ	344035-V-DUP (020306)	X1262-07	Air
<u>7</u> ·	344035-V-DUP (020306) DL	X1262-07 DL	All
7 DL	344035-V-DUP (020306) DL		

USEPA Region II SOP HW-18, Revision 0, August 1994, Validating Canisters of Volatile Organics in Ambient Air in conjunction with professional judgment were used in evaluating the data in this summary report.

Cover letter, Narrative and Data Reporting Forms - All criteria were met.

Canister Certification Blanks - The batch blank checks were non-detect or less than the reporting limit except the following:

ſ		Compound	Conc.	Qualifier	Affected Samples	
	Blank ID	1	ppbv	U	6	
	VBM0131A1	Carbon Disulfide	0.14		1	

Canister Certification Pressure Differences - All criteria were met.

Chains-of-Custody and Traffic Reports - All criteria were met.

		Analysis Date	# Days	Qualifier
Sample ID	Sample date	and the second	22	None
1	02/03/06	02/25/06		None
1 DL	02/03/06	03/02/06	27	
2	02/03/06	02/25/06	22	None
	02/03/06	02/25/06	22	None
2 DL		03/01/06	26	None
3	02/03/06		26	None
4	02/03/06	03/01/06		None
4 DL	02/03/06	03/01/06	26	
5	02/03/06	03/02/06	27	None
	02/03/06	03/01/06	26	None
5 DL	027 027	03/02/06	27	None
6	02/03/06		26	None
6 DL	02/03/06	03/01/06		None
7	02/03/06	03/01/06	26	
7 DL	02/03/06	03/02/06	27	None

Holding Times - All samples were analyzed within 14 days for air samples except the following:

Surrogates - All surrogates exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Samples - The LCS samples exhibited acceptable %R values.

<u>GC/MS Tuning</u> - The laboratory utilized SW-846 protocol for the bromofluorobenzene (BFB) tune criteria and continuing calibration verification (CCV) frequency. All BFB tunes met QC criteria. While the USEPA Region II validation SOP specifies a 12 hour BFB tune window and continuing calibration frequency, the SW-846 protocol and the Method TO-15 sequence requirement allow for a 24 hour window and continuing calibration frequency. The client has approved these modifications and no qualification of the sample data is required.

Internal Standard (IS) Area Performance - All internal standards met response and retention time criteria.

Initial Calibration - All %RSD and average RRF criteria were met.

Continuing Calibration - All %D and RRF criteria were met.

Blank ID	Compound	Conc. ug/m3	Action Level ug/m3	Qualifier	Affected Samples
		Y	22.2	II	1, 2, 2DL
VBLK0224A1	1,2,4-Trichlorobenzene	4.44			1, 2, 2DL
V DEITOILE	Hexachloro-1,3-butadiene	4.27	21.35	0	
		1.39	6.95	U	3,4
VBLK0301A1	and the second	0.47	2.35	U	1 DL
VBLK0302A1	Acetone		6.95	II	5,6
	Methylene chloride	1.39	0.93		

Method Blank - The method blanks exhibited the following contamination:

Trip, Field, Equipment blank - Field QC samples were not analyzed.

Blind Field Duplicate Sample Precision - Field duplicate results are summarized below:

Compound	344035-V-01S	344035-V-DUP (020306)	RPD	Qualifier
Compound	ug/m3	ug/m3		T/T I T
Ethyl acetate	46.79	7.20 U	NC	J/UJ
Ethyl acetate	21.82	12.34	55	J
Acetone	30.94	24.60	23	None
trans-1,2-Dichloroethene	674.44	555.42	19	None
cis-1,2-Dichloroethene	4386.30	6429.45	38	None
Trichloroethene	13.42 U	53.66	NC	J/UJ
Bromodichloromethane	37.63	18.06	70	J
Toluene	1289.98	950.51	30	None
Tetrachloroethene		9.82 U	NC	None
1,3,5-Trimethylbenzene	34.36	9.82 U	NC	None
1,2,4-Trimethylbenzene	39.26	9.82.0	L	

<u>Compound Quantitation</u> - Several samples exhibited various analytes that exceeded the linear range of the curve and were qualified (E) by the laboratory. The samples were reanalyzed at various dilutions. The diluted results were transferred to the original Form Is.

Several samples were reanalyzed and several results non-detect in the original analysis were positive detections in the reanalysis. These positive results were transferred to the original Form Is for reporting purposes.

EDS sample # 7 exhibited trichloroethene that exceeded the linear range of the curve and was qualified (E) by the laboratory. The sample was reanalyzed at a 50X dilution with trichloroethene still over the linear range. The diluted result was then transferred to the original Form I and qualified (J) by the reviewer.

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

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Report of Analysis

Client: Project: Client Sample ID: Lab Sample ID:	ERM, Inc. NYSDEC Assignment D003970-30 344035-V-01S X1262-01	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0
Analytical Method:	ЕРА ТО-15	Sample Vol: ml	400.0

File ID:	Dilution:	Date Analyzed	Analytical Batch ID			
	D 20	2/25/2006	VL022	VL022406		
VL022414.		Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3	
CAS Number	Parameter	ug/iiio				
TARGETS			U	9.9	9.9	
75-71-8	Dichlorodifluoromethane	9.9	U	4.09	4.09	
74-87-3	Chloromethane	4.09	U	5.11	5.11	
75-01-4	Vinyl Chloride	5.11	U	7.77	7.77	
74-83-9	Bromomethane	7.77	U	5.32	5.32	
75-00-3	Chloroethane	5.32	U	11.21	11.21	
75-69-4	Trichlorofluoromethane	11.21	U	9.82	9.82	
67-63-0	Isopropyl Alcohol	9.82	U	13.99	13.99	
76-14-2	Dichlorotetrafluoethane	13.99	U	15.3	15.3	
76-13-1	1,1,2-Trichlorotrifluoroethane	15.3		8.75	8.75	
593-60-2	Bromoethene	8.75	U	3.44	3.44	
115-07-1	Propene	3.44	U	8.18	8.18	
142-82-5	Heptane	8.18	U	7.93	7.93	
142-82-5 75-35-4	1,1-Dichloroethene	7.93	U J	7.33	7.2	
75-55-4 141-78-6	Ethyl Acetate	47.5		· 9.49	9.49	
141-78-0 67-64-1	Acetone	21.8	Ţ	9.49 6.22	6.22	
	Carbon disulfide	6.22	U	6 .22 7.2	7.2	
75-15-0	Methyl tert-butyl Ether	7.2	U		13.91	
1634-04-4	Methylene Chloride	13.91	U	13.91 6.3	6.3	
75-09-2	Allyl Chloride	6.3	U		7.93	
107-05-1	trans-1,2-Dichloroethene	30.9		7.93	7.03	
156-60-5	Vinyl Acetate	7.03	U	7.03	8.1	
108-05-4	1,1-Dichloroethane	8.1	U	8.1	6.71	
75-34-3	Cyclohexane	6.71	U	6.71	0.71 11.7	
110-82-7	2-Butanone	11.78	U	11.78	11.7	
78-93-3	2-Butanone Carbon Tetrachloride	12.6	U	12.6		
56-23-5	cis-1,2-Dichloroethene	692		7.93	7.93	
156-59-2		9.73	U	9.73	9.73	
67-66-3	Chloroform	14.4	U	14.4	14.4	
123-91-1	1,4-Dioxane	10.88	U	10.88	10.8	
71-55-6	1,1,1-Trichloroethane	11.78	U	11.78		
109-99-9	Tetrahydrofuran	9.33	U	9.33	9.3	
540-84-1	2,2,4-Trimethylpentane	,				

U = Not Detected

RL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range

J = Estimated Value

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Report of Analysis

Client:ERM, Inc.Date Collected:2/3/2006Project:NYSDEC Assignment D003970-30Date Received:2/4/2006Client Sample ID:344035-V-01SSDG No.:X1262Lab Sample ID:X1262-01Matrix:AIRtable table tableEPA TO-15Sample Vol: ml400.0	
Analytical Method: EPA TO-15 Sample Vol. In 4000	

File ID:	Dilution:	Date Analyzed	Analytical Batch ID		
VL022414.D	20	2/25/2006	VL0224)
CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
CAS Number		6.38	U	6.38	6.38
71-43-2	Benzene	8.1	U	8.1	8.1
107-06-2	1,2-Dichloroethane	54754303	Đ-	1 0.7 224.0	65T0.72 24.0
79-01-6	Trichloroethene	9.24	U	9.24	9.24
78-87-5	1,2-Dichloropropane	13.42	Hles	- 13.42	13.42
75-27-4	Bromodichloromethane	16.36	υĴ	16.36	16.36
108-10-1	4-Methyl-2-Pentanone	37.6	T	7.53	7.53
108-88-3	Toluene	9.08	U	9.08	9.08
10061-02-6	t-1,3-Dichloropropene	9.08	U	9.08	9.08
10061-01-5	cis-1,3-Dichloropropene	10.88	U	10.88	10.88
79-00-5	1,1,2-Trichloroethane	16.36	Ū	16.36	16.36
591-78-6	2-Hexanone	17.01	U	17.01	17.01
124-48-1	Dibromochloromethane	15.38	Ŭ	15.38	15.38
106-93-4	1,2-Dibromoethane	1275	U	13.58	13.58
127-18-4	Tetrachloroethene	9.24	U	9.24	9.24
108-90-7	Chlorobenzene	9.24 8.67	Ŭ	8.67	8.67
100-41-4	Ethyl Benzene		Ŭ	17.34	17.34
126777-61-2	m/p-Xylene	17.34 8.67	Ŭ	8.67	8.67
95-47-6	o-Xylene		Ŭ	8.51	8.51
100-42-5	Styrene	8.51	U	20.7	20.7
75-25-2	Bromoform	20.7	Ŭ	13.74	13.74
79-34-5	1,1,2,2-Tetrachloroethane	13.74	0	9.82	9.82
108-67-8	1,3,5-Trimethylbenzene	34.4		9.82	9.82
95-63-6	1,2,4-Trimethylbenzene	39.3	U	9.82	9.82
622-96-8	4-Ethyltoluene	9.82	U	12.02	12.02
541-73-1	1,3-Dichlorobenzene	12.02	U	12.02	12.02
106-46-7	1,4-Dichlorobenzene	12.02	U	12.02	12.02
95-50-1	1,2-Dichlorobenzene	12.02		14.01	14.81
120-82-1	1,2,4-Trichlorobenzene	75.5	n	21 35	21.35
87-68-3	Hexachloro-1,3-butadiene	76.9	IJ U	4.42	4.42
106-99-0	1,3-Butadiene	4.42	U U	14.07	14.07
110-54-3	Hexane	14.07 11.53	U U	11.53	11.53
100-44-7	Benzyl Chloride				

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

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CHEMITECH

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900, Fax: 908-789-8922 **Report of Analysis**

2/3/2006

Date Collected:

ERM, Inc. Client: 2/4/2006 Date Received: NYSDEC Assignment D003970-30 Project: X1262 SDG No.: 344035-V-01SDL Client Sample ID: Matrix: AIR X1262-01DL Lab Sample ID: Sample Vol: ml 400.0 **EPA TO-15** Analytical Method: Analytical Batch ID Date Analyzed Dilution: File ID: VL030106 3/2/2006 46 VL030205.D MDL. RL Conc. Qualifier ug/M3 ug/M3 Parameter ug/M3 CAS Number TARGETS 22.76 22.76 U 22.76 Dichlorodifluoromethane 75-71-8 9.41 9.41 U 9.41 Chloromethane 74-87-3 11.76 11.76 U 11.76 Vinyl Chloride 75-01-4 17.87 17.87 U 17.87 Bromomethane 74-83-9 12.23 12.23 U 12.23 Chloroethane 75-00-3 25.78 25.78 U 25.78 Trichlorofluoromethane 75-69-4 22.58 22.58 U 22.58 Isopropyl Alcohol 67-63-0 32.17 32.17 U 32.17 Dichlorotetrafluoethane 76-14-2 35.18 35.18 U 35.18 1,1,2-Trichlorotrifluoroethane 76-13-1 20.13 20.13 U 20.13 Bromoethene 593-60-2 7.9 7.9 U 7.9 Propene 115-07-1 18.81 18.81 U 18.81 Heptane 142-82-5 18.25 18.25 U 18.25 1,1-Dichloroethene 75-35-4 16.56 U 16.56 16.56 Ethyl Acetate 141-78-6 21.82 **DBU** 21.82 27.3 Acetone 67-64-1 14.3 14.3 U 14.3 Carbon disulfide 75-15-0 16.56 16.56 U 16.56 Methyl tert-buty Ether 1634-04-4 31.98 31.98 U 31.98 Methylene Chloride 75-09-2 14.49 14.49 U 14.49 Allyl Chloride 107-05-1 18.25 18.25 D 21.9 trans-1,2-Dichloroethene 156-60-5 16.18 16.18 U 16.18 Vinyl Acetate 108-05-4 18.63 18.63 U 18.63 1,1-Dichloroethane 75-34-3 15.43 15.43 U 15.43 Cyclohexane 110-82-7 27.09 27.09 U 27.09 2-Butanone 78-93-3 28.97 28.97 U 28.97 Carbon Tetrachloride 56-23-5 18.25 18.25 D 527 cis-1,2-Dichloroethene 156-59-2 22.39 22.39 U 22.39 Chloroform 67-66-3 33.11 33.11 U 33.11 1.4-Dioxane 123-91-1 25.02 25.02 U 25.02 1,1,1-Trichloroethane 71-55-6 27.09 27.09 U

U = Not Detected

109-99-9

540-84-1

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

Tetrahydrofuran

2.2.4-Trimethylpentane

J = Estimated Value

27.09

21.45

B = Analyte Found in Associated Method Blank

U

N = Presumptive Evidence of a Compound

usula

21.45

21.45

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Report of Analysis

Cli ent:	ERM, Inc.		Date Collected:	2/3/2006	
Client:	NYSDEC Assignment D0039	970-30	Date Received:	2/4/2006	
Project:			SDG No.:	X 1262	
Client Sample ID	: 344035-V-01SDL			AIR	
Lab Sample ID:	X1262-01DL		Matrix:		
Analytical Metho	od: EPA TO-15	Cal D	Sample Vol: ml	400.0	
Analytical Metho		X & Y	κ /		
		0 6	Matrix: Sample Vol: ml		
File ID:	Dilution:	Date Analyzed	Analytic	cal Batch ID	
		3/2/2006	/ VL030	106	
VL030205.D	46	Conc.	/	RL	MDL.
CAS Number	Parameter	ug/M3	Qualifier	ug/M3	ug/M3
	Development	14.67	U	14.67	14.67
71-43-2	Benzene 1,2-Dichloroethane	18,63	U	18.63	18.63
107-06-2	1,2-Dichloroethane Trichloroethene	(4303)	D	24.65	24.65
79-01-6	Trichloroetnene 1,2-Dichloropropane	/21.26	U	21.26	21.26
78-87-5	1,2-Dichloropropane Bromodichloromethane	/ 30.85	U	30.85	30.85
75-27-4	4-Methyl-2-Pentanone	/ 37.63	U	37.63	37.63
108-10-1	4-Methyl-2-Pentanone Toluene	/ 27.7	D	17.31	17.31 20.88
108-88-3	t-1,3-Dichloropropene	/ 20.88	U	20.88	
10061-02-6	cis-1,3-Dichloropropene	/ 20.88	U	20.88	20.88
10061-01-5	1,1,2-Trichloroethane	/ 25.02	U	25.02	25.02 37.63
79-00-5	2-Hexanone	/ 37.63	U	37.63	
591-78-6	Dibromochloromethane /	39.13	U	39.13	39.13 35.37
124-48-1	1,2-Dibromoethane	35.37	U	35.37	35.37 31.23
106-93-4	Tetrachloroethene	940	D	31.23	21.26
127-18-4	Chlorobenzene	21.26	U	21.26	19.94
108-90-7	Ethyl Benzene	19.94	U	19.94 39.89	39.89
100-41-4	m/p-Xylene	39.89	U	39.89 19.94	19.94
126777-61-2	o-Xylene	19.94	U	19.94 19.57	19.54
95-47-6	Styrene	19.57	U	19.57 47.6	47.6
100-42-5	Bromoform	47.6	U	47.6 31.61	31.61
75-25-2 79-34-5	1,1,2,2-Tetrachloroethane	31.61	U	22.58	22.58
108-67-8	1,3,5-Trimethylbenzene	22.58	U	22.58	22.58
108-67-8 95-63-6	1,2,4-Trimethylbenzene	22.58	U	22.58	22.58
95-63-6 622-96-8	4-Ethyltoluene	22.58	U	22.58	27.66
622-90-8 541-73-1	1,3-Dichlorobenzene	27.66	บ บ	27.66	27.66
106-46-7	1,4-Dichlorobenzene	27.66		27.66	27.60
95-50-1	1,2-Dichlorobenzene	27.66	U	34.05	34.0
95-50-1 120-82-1	1,2,4-Trichlørobenzene	34.05	U	49.1	49.1
87-68-3	Hexachloro-1,3-butadiene	49.1	U U	10.16	10.1
87-08-3 106-99-0	1,3-Butadiene	10.16	U U	32.36	
110-54-3	Hexane	32.36	U U	26.53	
100-44-7	Benzyl Chloride	26.53	U	20.00	
100-44-7	- /				
			1 Maluo		· W
U = Not Determined	ected	J = Estimate	d Value Found in Associated	I Method Blank	د ،
RI = Report	ing Limit	B = Analyte	ptive Evidence of a	Compound	1,15
MDI = Meth	nod Detection Limit	N = Presum	puve Dvidence of u		$\mathcal{W}V$
E = Value Ex	ceeds Calibration Range				

RL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range

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Report of Analysis

	Rept				\neg
Client: Project: Client Sample I		070-30 Da SI	ate Collected: ate Received: DG No.: fatrix:	2/3/2006 2/4/2006 X1262 AIR	
Lab Sample ID: Analytical Metl		S	ample Vol: ml	400.0	
File ID:	Dilution:	Date Analyzed	Analyti VL022	cal Batch ID 406	
VL022416.I		2/25/2006 Conc.	Qualifier	RL ug/M3	MDL. ug/M3
CAS Number	Parameter	ug/M3			
TADOPTS				1 00	1.98
TARGETS	Dichlorodifluoromethane	3.37		1.98	0.82
75-71-8	Chloromethane	1.8		0.82	1.02
74-87-3	Vinyl Chloride	1.02	U	1.02	1.55
75-01-4	Bromomethane	1.55	U	1.55	1.06
74-83-9	Chloroethane	1.06	U	1.06	21.00 21.2 .2 4 11.
75-00-3	Trichlorofluoromethane	453 602	. E-		1.96
75-69-4		1.96	U	1.96	2.8
67-63-0	Isopropyl Alcohol Dichlorotetrafluoethane	2.8	U	2.8	2.8 3.06
76-14-2	1,1,2-Trichlorotrifluoroethane	3.67		3.06	3.00 1.75
76-13-1		1.75	U	1.75	0.69
593-60-2	Bromoethene	0.69	U	0.69	0.69 1.64
115-07-1	Propene	1.64	U	1.64	
142-82-5	Heptane	132		1.59	1.59
75-35-4	1,1-Dichloroethene	1.44	U	1.44	1.44
141-78-6	Ethyl Acetate	28.8		1.9	1.9 1.24
67-64-1	Acetone	1.24	U	1.24	1.24
75-15-0	Carbon disulfide	1.44	U	1.44	1.44
1634-04-4	Methyl tert-butyl Ether	2.78	U	2.78	2.78
75-09-2	Methylene Chloride	1.26	U	1.26	1.26
107-05-1	Allyl Chloride	1.59	U	1.59	1.59
156-60-5	trans-1,2-Dichloroethene	1.41	U	1.41	1.41
108-05-4	Vinyl Acetate	1.62	U	1.62	1.62
75-34-3	1,1-Dichloroethane	1.34	U	1.34	1.34
110-82-7	Cyclohexane	2.36	U	2.36	2.36
78-93-3	2-Butanone	5.04		2.52	2.52
56-23-5	Carbon Tetrachloride	414-SL	n e).93 1. 59 -
156-59-2	cis-1,2-Dichloroethene	14.8		1.95	1.95
67-66-3	Chloroform	2.88	U	2.88	2.88
123-91-1	1,4-Dioxane	2.18	U	2.18	2.18
71-55-6	1,1,1-Trichloroethane	2.36	U	2.36	2.36
109 - 99-9	Tetrahydrofuran	1.87	U	1.87	1.87
540-84-1	2,2,4-Trimethylpentane	1.07			

U = Not DetectedRL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

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

Report of Analysis

File ID:	Dilution:	Date Analyzed	Analyti	cal Batch ID	
		2/25/2006	VL022406		
VL022416.D CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
CAS Rumon		1.28	U	1.28	1.28
71-43-2	Benzene	1.62	U	1.62	1.62
107-06-2	1,2-Dichloroethane	186		2.14	2.14
79-01-6	Trichloroethene	1.85	U	1.85	1.85
78-87-5	1,2-Dichloropropane	2.68	U	2.68	2.68
75-27-4	Bromodichloromethane	3.27	U	3.27	3.27
108-10-1	4-Methyl-2-Pentanone	1.51	U	1.51	1.51
108-88-3	Toluene	1.82	U	1.82	1.82
10061-02-6	t-1,3-Dichloropropene	1.82	Ū	1.82	1.82
10061-01-5	cis-1,3-Dichloropropene	2.18	Ŭ	2.18	2.18
79-00-5	1,1,2-Trichloroethane	3.27	Ŭ	3.27	3.27
591-78-6	2-Hexanone	3.4	Ŭ	3.4	3.4
124-48-1	Dibromochloromethane	3.4	Ŭ	3.08	3.08
106-93-4	1,2-Dibromoethane		Ŭ	2.72	2.72
127-18-4	Tetrachloroethene	2.72	U	1.85	1.85
108-90-7	Chlorobenzene	1.85	U	1.73	1.73
100-41-4	Ethyl Benzene	1.73	U	3.47	3.47
126777-61-2	m/p-Xylene	3.47	U	1.73	1.73
95-47-6	o-Xylene	1.73	U U	1.75	1.7
100-42-5	Styrene	1.7	U	4.14	4.14
75-25-2	Bromoform	4.14	U	2.75	2.75
79-34-5	1,1,2,2-Tetrachloroethane	2.75	U	1.96	1.96
108-67-8	1,3,5-Trimethylbenzene	1.96	U U	1.96	1.96
95-63-6	1,2,4-Trimethylbenzene	1.96	U U	1.96	1.96
622-96-8	4-Ethyltoluene	1.96	U U	2.4	2.4
541-73-1	1,3-Dichlorobenzene	2.4	U	2.4	2.4
106-46-7	1,4-Dichlorobenzene	2.4	U U	2.4	2.4
95-50-1	1,2-Dichlorobenzene	2.4			2.96
120-82-1	1,2,4-Trichlorobenzene	14.2		4.27	4.27
87-68-3	Hexachloro-1,3-butadiene	14.5	₽	Q 4.27 0.88	0.88
106-99-0	1,3-Butadiene	0.88	U		2.81
110-54-3	Hexane	2.81	U	2.81	2.31
110-34-3 100-44-7	Benzyl Chloride	2.31	U	2.31	2.51

U = Not DetectedRL = Reporting Limit MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

04105100

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

Report of Analysis

		-		2/3/2006	\neg
Client:	ERM, Inc.		Date Collected:		
Project:	NYSDEC Assignment D0	03970-30	Date Received:	2/4/2006	
5			SDG No.:	X1262	
Client Sample ID			Matrix:	AIR /	
Lab Sample ID:	X1262-02DL	0	Şample Vol: ml	400.0	
Analytical Meth	od: EPA TO-15	lege de	Sample vol. III	100.0	
		St 6 5			
		0, 0, 0		/	
		Date Analyzed	Analyt	ical Batch ID	
File ID:	Dilution:		VL02		
VL022415.D	20	2/25/2006	¥L02.		MDL.
(Conc.	Qualifier	RL ug/M3	ug/M3
CAS Number	Parameter	ug/M3		uginis	
TARGETS				~ ~	9.9
	Dichlorodifluoromethane	9.9	/ U	9.9	9.9 4.09
75-71-8	Chloromethane	4.09	U U	4.09	4.09 5.11
74-87-3 75-01-4	Vinyl Chloride	5.11	U	5.11	5.11 7.77
	Bromomethane	7.77	U	7.77	5.32
74-83-9	Chloroethane	5/32	U	5.32	5.52 11.21
75-00-3	Trichlorofluoromethane	(602)	D	11.21	9.82
75-69-4	Isopropyl Alcohol	9.82	U	9.82	9.82 13.99
67-63-0	Dichlorotetrafluoethane	/ 13.99	U	13.99	15.99
76-14-2	1,1,2-Trichlorotrifluoroethane	/ 15.3	U	15.3	8.75
76-13-1	Bromoethene	8.75	U	8.75	
593-60-2	Propene	3.44	U	3.44	3.44
115-07-1	Heptane	8.18	U	8.18	8.18
142-82-5	1,1-Dichloroethene	/ 166	D	7.93	7.93
75-35-4	Ethyl Acetate	7.2	U	7.2	7.2
141-78-6	Acetone	36.1	D	9.49	9.49
67-64-1	Carbon disulfide	6.22	U	6.22	6.22
75-15-0	Methyl tert-butyl Ether	7.2	U	7.2	7.2
1634-04-4	Methylene Chloride	13.91	U	13.91	13.91
75-09-2	Allyl Chloride	6.3	U	6.3	6.3
107-05-1	trans-1,2-Dichloroethene	7.93	U	7.93	7.93
156-60-5	Vinyl Acetate	7.03	U	7.03	7.03
108-05-4	1,1-Dichloroethane	8.1	U	8.1	8.1
75-34-3	Cyclohexane	6.71	U	6.71	6.71
110-82-7	2-Butanone	11.78	U	11.78	11.78
78-93-3	2-Butanone Carbon Tetrachloride	12.6	U	12.6	12.6
56-23-5	cis-1,2-Dichloroethene	(547)) D	7.93	7.93
156-59-2		18.5	D	9.73	9.73
67-66-3	Chloroform	14.4	U	14.4	14.4
123-91-1	1,4-Dioxane	10.88	U	10.88	10.8
71-55-6	1,1,1-Trichloroethane	11.78		11.78	11.7
109-99-9	Tetrahydrofuran	9.33	U	9.33	9.33
540-84-1	2,2,4-Trimethylpentane	,100			
	/		1		

U = Not Detected

U = Not Detected RL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank N = Presumptive Evidence of a Compound

04105104 a

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

Report of Analysis

Client:	ERM, Inc.	Date Collected:	2/3/2006
Project:	NYSDEC Assignment D003970-30	Date Received:	2/4/2006
Client Sample ID:	344035-V-02SDL	SDG No.:	X1262
Lab Sample ID:	X1262-02DL	Matrix:	AIR
Analytical Method:	EPA TO-15	Sample Vol: ml	400.0

File ID:	Dilution:	Date Analyzed	Analytical Batch ID		
		2/25/2006	VL022406		
VL022415.D CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
		6.38	U	6.38	6.38
71-43-2	Benzene	8.1	Ū	8.1	8.1
107-06-2	1,2-Dichloroethane	238	D	10.72	10.72
79-01-6	Trichloroethene	9.24	Ū	9.24	9.24
78-87-5	1,2-Dichloropropane	13.42	Ū	13.42	13.42
75-27-4	Bromodichloromethane	16.36	U	16.36	16.36
108-10-1	4-Methyl-2-Pentanone	7.53	Ŭ	7.53	7.53
108-88-3	Toluene	9.08	Ŭ	9.08	9.08
10061-02-6	t-1,3-Dichloropropene	9.08	Ŭ	9.08	9.08
10061-01-5	cis-1,3-Dichloropropene	10.88	U	10.88	10.88
79-00-5	1,1,2-Trichloroethane	16.36	Ŭ	16.36	16.36
591-78-6	2-Hexanone	/	U	17.01	17.01
124-48-1	Dibromochloromethane	/ 17.01	U	15.38	15.38
106-93-4	1,2-Dibromoethane	15.38	U	13.58	13.58
127-18-4	Tetrachloroethene /	13.58	U U	9.24	9.24
108-90-7	Chlorobenzene /	9.24	U U	8.67	8.67
100-41-4	Ethyl Benzene /	8.67	U	17.34	17.34
126777-61-2	m/p-Xylene	17.34	U	8.67	8.67
95-47-6	o-Xylene	8.67	U	8.51	8.51
100-42-5	Styrene /	8.51	U	20.7	20.7
75-25-2	Bromoform /	20.7	U	13.74	13.74
79-34-5	1,1,2,2-Tetrachløroethane	13.74	U	9.82	9.82
108-67-8	1,3,5-Trimethy/benzene	9.82	U	9.82	9.82
95-63-6	1,2,4-Trimethylbenzene	9.82	U U	9.82	9.82
622-96-8	4-Ethyltoluene	9.82	U U	12.02	12.02
541-73-1	1,3-Dichlorobenzene	12.02	U U	12.02	12.02
106-46-7	1,4-Dichlorobenzene	12.02		12.02	12.02
95-50-1	1,2-Dichlorobenzene	12.02	U	12.02	14.81
120-82-1	1,2,4-Trichlorobenzene	71.1	DB	21.35	21.35
87-68-3	Hexachloro-1,3-butadiene	72.6	DB	4.4 2	4.42
106-99-0	1,3-Butadiene	4.42	U		14.0
110-54-3	Hexane	14.07	U	14.07	14.0
100-44-7	Benzyl Chloride	11.53	U	11.53	11.53
100-117	/				

U = Not Detected

RL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range

B = Analyte Found in Associated Method Blank N = Presumptive Evidence of a Compound

J = Estimated Value

U-1105106

CHEINTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922 Report of Analysis

Client:ERM, Inc.Project:NYSDEC Assignment D003970-30Client Sample ID:344035-V-03S	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR	
Project: NYSDEC Assignment D003970-30	SDG No.: Matrix:	X1262	
	Matrix:		
Client Sample ID: 344035-V-03S		AIR	
-			
Lab Sample ID: X1262-03	Sample Vol: mi	400.0	
Analytical Method: EPA TO-15		400.0	
	t Analyt	tical Batch ID	
File ID: Dilution: Date Analyz	<i></i>		
VL030114.D 2 3/1/2006	VL03		
Cond	Unanner	RL ug/M3	MDL. ug/M3
CAS Number Parameter ug/M	13	uE/1115	
TARGETS			
2.28		0.99	0.99
0.41	U	0.41	0.41
0.51	U	0.51	0.51
0.78	U	0.78	0.78
0.53	U	0.53	0.53
112		1.12	1.12
191		0.98	0.98
14 I I I I I I I I I I I I I I I I I I I	U	1.4	1.4
151 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, U	1.53	1.53
08	3 U	0.88	0.88
03	4 U	0.34	0.34
115-07-1 Propene 0.9		0.82	0.82
142-82-5 Heptane 0.9 75-35-4 1,1-Dichloroethene 0.7	9 U	0.79	0.79
10.	1	0.72	0.72
43.	3	0.95	0.95
31	1	0.62	0.62
07	2 U	0.72	0.72
1634-04-4 Methyl tert-butyl Euler			1.39
0.6	3 U	0.63	0.63
07	'9 U	0.79	0.79
156-60-5 trans-1,2-Dicinoroculence 0.7	u U	0.7	0.7
108-05-4 VIIIyi Acetaic	31 U	0.81	0.81
75-34-3 1,1-Dicitior octimate		0.67	0.67
110-82-7 Cyclonexane		1.18	1.18
78-93-3 2-Butanone 11	26 U	1.26	1.26
56-23-5 Carbon Tenachonde	79 U	0.79	0.79
156-59-2 CIS-1,2-Dicinoroculture	97 U	0.97	0.97
67-66-3 Chiofoloini 1	44 U	1.44	1.44
123-91-1 1,4-Dioxane	83	1.09	1.09
71-55-6 1,1,1-1110110100011alle	18 U	1.18	1.18
109-99-9 Tetranyuloturan	.93 U	0.93	0.93
540-84-1 2,2,4-Trimethylpentane 0			

U = Not DetectedRL = Reporting Limit MDL = Method Detection LimitE = Value Exceeds Calibration Range J = Estimated Value

04105704

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

Report of Analysis

Client Sample ID: Lab Sample ID:	ERM, Inc. NYSDEC Assignment D003970-30 344035-V-03S X1262-03 EPA TO-15	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0	
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File ID:	Dilution:	Date Analyzed	Analytical Batch ID			
		3/1/2006	VL030			
VL030114.D CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3	
CAS Number		4.15		0.64	0.64	
71-43-2	Benzene	0.81	U	0.81	0.81	
107-06-2	1,2-Dichloroethane	1.07	U	1.07	1.07	
79-01-6	Trichloroethene	0.92	U	0.92	0.92	
78-87-5	1,2-Dichloropropane	1.34	U	1.34	1.34	
75-27-4	Bromodichloromethane	1.64		1.64	1.64	
108-10-1	4-Methyl-2-Pentanone	91.6		0.75	0.75	
108-88-3	Toluene	0.91	U	0.91	0.91	
10061-02-6	t-1,3-Dichloropropene	0.91	Ŭ	0.91	0.91	
10061-01-5	cis-1,3-Dichloropropene	1.09	Ŭ	1.09	1.09	
79-00-5	1,1,2-Trichloroethane	1.64	Ŭ	1.64	1.64	
591-78-6	2-Hexanone	1.64	Ŭ	1.7	1.7	
124-48-1	Dibromochloromethane	1.7	Ŭ	1.54	1.54	
106-93-4	1,2-Dibromoethane	2.44	Ũ	1.36	1.36	
127-18-4	Tetrachloroethene		U	0.92	0.92	
108-90- 7	Chlorobenzene	0.92	0	0.87	0.87	
100-41-4	Ethyl Benzene	14.9		1.73	1.73	
126777-61-2	m/p-Xylene	56.9		0.87	0.87	
95-47-6	o-Xylene	11.8		0.85	0.85	
100-42-5	Styrene	5.19	U	2.07	2.07	
75-25-2	Bromoform	2.07	U	1.37	1.37	
79-34-5	1,1,2,2-Tetrachloroethane	1.37	0	0.98	0.98	
108-67-8	1,3,5-Trimethylbenzene	1.87		0.98	0.98	
95-63-6	1,2,4-Trimethylbenzene	8.34		0.98	0.98	
622-96-8	4-Ethyltoluene	5.99	U	1.2	1.2	
541-73-1	1,3-Dichlorobenzene	1.2	0	1.2	1.2	
106-46-7	1,4-Dichlorobenzene	2.28	ប	1.2	1.2	
95-50-1	1,2-Dichlorobenzene	1.2	U U	1.2	1.48	
120-82-1	1,2,4-Trichlorobenzene	1.48	U	2.13	2.13	
87-68-3	Hexachloro-1,3-butadiene	2.13	U U	0.44	0.44	
106-99-0	1,3-Butadiene	0.44	U U	1.41	1.41	
110-54-3	Hexane	1.41	U U	1.41	1.15	
100-44-7	Benzyl Chloride	1.15	U	1.15	1.10	

U = Not Detected RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

04105706

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

Report of Analysis

	A			2/2/2006	
Client:	ERM, Inc.		ate Collected:	2/3/2006	
Project:	NYSDEC Assignment D003	970-30 D	ate Received:	2/4/2006	
Client Sample II			DG No.:	X1262	
		Μ	fatrix:	AIR	
Lab Sample ID:	X1262-04		Sample Vol: ml	400.0	
Analytical Meth	od: EPA TO-15	L.	Sample Volt mi		
		Date Analyzed	Analyti	cal Batch ID	
File ID:	Dilution:		VL030		
VL030119.D	2	3/1/2006	VL030		MDL.
<u></u>		Conc.	Qualifier	RL ug/M3	ug/M3
CAS Number	Parameter	ug/M3		uginio	
TAD OF THE					
TARGETS	Dichlorodifluoromethane	1.98		0.99	0.99
75-71-8		0.41	U	0.41	0.41
74-87-3	Chloromethane	0.51	U	0.51	0.51
75-01-4	Vinyl Chloride	0.78	U	0.78	0.78
74-83-9	Bromomethane	0.53	U	0.53	0.53
75-00-3	Chloroethane	1.12	U	1.12	1.12
75-69-4	Trichlorofluoromethane	3.19		0.98	0.98
67-63-0	Isopropyl Alcohol	1.4	U	1.4	1.4
76-14-2	Dichlorotetrafluoethane	1.53	U	1.53	1.53
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	Ŭ	0.88	0.88
593-60-2	Bromoethene	0.34	Ŭ	0.34	0.34
115-07-1	Propene	0.9	-	0.82	0.82
142-82-5	Heptane	0.79	U	0.79	0.79
75-35-4	1,1-Dichloroethene	0.72	Ŭ	0.72	0.72
141 -7 8-6	Ethyl Acetate	-174184	- E-	0.95 4	14 0.95 U
67-64-1	Acetone	2.05	Ľ	0.62	0.62
75-15-0	Carbon disulfide	0.72	U	0.72	0.72
1634-04-4	Methyl tert-butyl Ether		۱۹۲۰ (1.39
75-09-2	Methylene Chloride	1.74	Ŭ	0.63	0.63
107-05-1	Allyl Chloride	0.63	Ŭ	0.79	0.79
156-60-5	trans-1,2-Dichloroethene	0.79	U	0.7	0.7
108-05-4	Vinyl Acetate	0.7	U	0.81	0.81
75-34-3	1,1-Dichloroethane	0.81	U U	0.67	0.67
110-82-7	Cyclohexane	0.67	U	1.18	1.18
78-93-3	2-Butanone	3.3	U	1.10	1.26
56-23-5	Carbon Tetrachloride	1.26		0.79	0.79
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	0.97
67-66-3	Chloroform	0.97	U	1.44	1.44
123-91-1	1,4-Dioxane	1.44	U	1.44	1.09
71-55-6	1,1,1-Trichloroethane	1.09	U		1.09
	Tetrahydrofuran	1.18	U	1.18	
109-99-9	1 Cu any di Oldiani	0.93	U	0.93	0.93

U = Not DetectedRL = Reporting Limit MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

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CHEITTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922 Report of Analysis

	ERM, Inc.	Date Collected:	2/3/2006
Client:		Date Received:	2/4/2006
Project:	NYSDEC Assignment D003970-30		X1262
Client Sample ID:	344035-V-04S	SDG No.:	
Lab Sample ID:	X1262-04	Matrix:	AIR
		Sample Vol: ml	400.0
Analytical Method:	EPA TO-15	*	

File ID:	Dilution:	Date Analyzed	Analyt	ical Batch ID	
		3/1/2006	VL030106		
VL030119.D CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
CAB Ruineer		2.87		0.64	0.64
71-43-2	Benzene	0.81	U	0.81	0.81
107-06-2	1,2-Dichloroethane	1.07	U	1.07	1.07
79-01-6	Trichloroethene	0.92	U	0.92	0.92
78-87-5	1,2-Dichloropropane	1.34	U	1.34	1.34
75-27-4	Bromodichloromethane	1.64	U	1.64	1.64
108-10-1	4-Methyl-2-Pentanone	63.4		0.75	0.75
108-88-3	Toluene	0.91	U	0.91	0.91
10061-02-6	t-1,3-Dichloropropene	0.91	U	0.91	0.91
10061-01-5	cis-1,3-Dichloropropene	1.09	U	1.09	1.09
79-00-5	1,1,2-Trichloroethane	1.64	U	1.64	1.64
591-78-6	2-Hexanone	1.7	Ū	1.7	1.7
124-48-1	Dibromochloromethane	1.7	Ŭ	1.54	1.54
106-93-4	1,2-Dibromoethane	1.54	Ũ	1.36	1.36
127-18-4	Tetrachloroethene	0.92	U	0.92	0.92
108-90-7	Chlorobenzene	10.2	U U	0.87	0.87
100-41-4	Ethyl Benzene	38.9		1.73	1.73
126777-61-2	m/p-Xylene	7.98		0.87	0.87
95-47-6	o-Xylene	3.91		0.85	0.85
100-42-5	Styrene	2.07	U	2.07	2.07
75-25-2	Bromoform	1.37	Ŭ	1.37	1.37
79-34-5	1,1,2,2-Tetrachloroethane	1.37	Ũ	0.98	0.98
108-67-8	1,3,5-Trimethylbenzene	5.6		0.98	0.98
95-63-6	1,2,4-Trimethylbenzene	4.02		0.98	0.98
622-96-8	4-Ethyltoluene	4.02		1.2	1.2
541-73-1	1,3-Dichlorobenzene			1.2	1.2
106-46-7	1,4-Dichlorobenzene	1.8	U	1.2	1.2
95-50-1	1,2-Dichlorobenzene	1.2	U	1.48	1.4
120-82-1	1,2,4-Trichlorobenzene	1.48	U	2.13	2.1
87-68-3	Hexachloro-1,3-butadiene	2.13	U	0.44	0.4
106-99-0	1,3-Butadiene	0.44	0	1.41	1.4
110-54-3	Hexane	1.55	U	1.15	1.1
100-44-7	Benzyl Chloride	1.15	0	2120	

U = Not DetectedRL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range J = Estimated Value

04165106 Ce

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

Report of Analysis

			1	2/3/2006	
Client:	ERM, Inc.		e Collected:	/	
Project:	NYSDEC Assignment D0039	970-30 Dat	e Received:	2/4/2006	
-			G No.:	X1262	
Client Sample I		Mai	rix:	AIR	
Lab Sample ID	: X1262-04DL		nple Vol: ml	§ 400.0	
Analytical Met	hod: EPA TO-15	Sa	npie voi. III		
		/	Nor St	Orologo	
		/			
File ID:	Dilution:	Date Analyzed	-	cal Batch ID	
	D 10	3/1/2006	VL030	106	
VL030115.	D 10	Conc.		RL	MDL.
CAS Number	Parameter	ug/M3	Qualifier	ug/M3	ug/M3
TARGETS		4.95	U	4.95	4.95
75-71-8	Dichlorodifluoromethane	2.04	U	2.04	2.04
74-87-3	Chloromethane	2.56	U	2.56	2.56
75-01-4	Vinyl Chloride	3.89	\mathbf{U}^{\perp}	3.89	3.89
74-83-9	Bromomethane	2.66	U	2.66	2.66
75-00-3	Chloroethane /	5.6	Ū	5.6	5.6
75-69-4	Trichlorofluoromethane	4.91	Ŭ	4.91	4.91
67-63-0	Isopropyl Alcohol	6.99	Ŭ	6.99	6.99
76-14-2	Dichlorotetrafluoethane		Ŭ	7.65	7.65
76-13-1	1,1,2-Trichlorotrifluoroethane	7.65 4.38	Ŭ	4.38	4.38
593-60-2	Bromoethene /		Ŭ	1.72	1.72
115-07-1	Propene /	1.72	Ŭ	4.09	4.09
142-82-5	Heptane /	4.09	Ŭ	3.97	3.97
75-35-4	1,1-Dichloroethene/	3.97	U	3.6	3.6
141-78-6	Ethyl Acetate /	36	D	4.74	4.74
67-64-1	Acetone	188	U U	3.11	3.11
75-15-0	Carbon disulfide	3.11	U	3.6	3.6
1634-04-4	Methyl tert-butyl Ether	3.6	U U	6.95	6.95
75-09-2	Methylene Chloride	6.95	U U	3.15	3.15
107-05-1	Allyl Chloride	3.15	U U	3.97	3.97
156-60-5	trans-1,2-pichloroethene	3.97	U U	3.52	3.52
108-05-4	Vinyl Acetate	3.52	U U	4.05	4.05
75-34-3	1,1-Dickloroethane	4.05	U U	3.35	3.35
110-82-7	Cyclohexane	3.35	U U	5.89	5.89
78-93-3	2-Butanone	5.89	UU	6.3	6.3
56-23-5	Carbon Tetrachloride	6.3		3.97	3.97
156-59-2	cis-1,2-Dichloroethene	3.97	U	4.87	4.87
67-66-3	Chloroform	4.87	U	4.87	7.2
67-00-5 123-91-1	1,4-Dioxane	7.2	U	7.2 5.44	5.4
71-55-6	1,1,1-Trichloroethane	5.44	U	5.44 5.89	5.8
109-99-9	Tetrahydrofuran	5.89	U		4.6
109-99-9 540-84-1	2,2,4-Trimethylpentane	4.66	U	4.66	4.0
240-84-1	· · · · · · · · · · · · · · · · · · ·				
		J = Estimated Va	lue		_
II - Not De	tecteri			I Mathad Blan	,

U = Not Detected RL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range

B = Analyte Found in Associated Method Blank N = Presumptive Evidence of a Compound

04105104



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

Report of Analysis

Client:ERM, Inc.Project:NYSDEC Assignment D003970-30Client Sample ID:344035-V-04SDLLab Sample ID:X1262-04DLAnalytical Method:EPA TO-15	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0
--	--	---

T TIL TD.	Dilution:	Date	Analyzed	Analyt	ical Batch ID	
File ID:	10	3/1/2	2006	VL030)106	
VL030115.D CAS Number	Parameter		Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
		-/	3.19	U	3.19	3.19
71-43-2	Benzene		4.05	U	4.05	4.05
107-06-2	1,2-Dichloroethane		5.36	U	5.36	5.36
79-01-6	Trichloroethene		4.62	U	4.62	4.62
78-87-5	1,2-Dichloropropane		6.71	U	6.71	6.71
75-27-4	Bromodichloromethane		8.18	U	8.18	8.18
108-10-1	4-Methyl-2-Pentanone /		62.5	D	3.76	3.76
108-88-3	Toluene /		4.54	U	4.54	4.54
10061-02-6	t-1,3-Dichloropropene		4.54	Ŭ	4.54	4.54
10061-01-5	cis-1,3-Dichloropropene		4.54 5.44	U	5.44	5.44
79-00-5	1,1,2-Trichloroethane			Ŭ	8.18	8.18
591-78-6	2-Hexanone		8.18	U	8.51	8.51
124-48-1	Dibromochloromethane		8.51	U	7.69	7.69
106-93-4	1,2-Dibromoethane		7.69	U	6.79	6.79
127-18-4	Tetrachloroethene		6.79	U	4.62	4.62
108-90-7	Chlorobenzene		4.62	D	4.34	4.34
100-41-4	Ethyl Benzene		9.54	D	8.67	8.67
126777-61-2	m/p-Xylene		36.9	D D	4.34	4.34
95-47-6	o-Xylenę		7.37	U U	4.25	4.25
100-42-5	Styrene/		4.25	U	10.35	10.35
75-25-2	Bromoform		10.35	U U	6.87	6.87
79-34-5	1,1,2,2-Tetrachloroethane		6.87	U U	4.91	4.91
108-67-8	1,3,5/Trimethylbenzene		4.91		4.91	4.91
95-63 - 6	1,2,4-Trimethylbenzene		4.91	D	4.91	4.91
622-96-8	4-Ethyltoluene		4.91	U	6.01	6.01
541-73-1	1,3-Dichlorobenzene		6.01	U	6.01	6.01
106-46-7	1/4-Dichlorobenzene		6.01	U	6.01	6.01
95-50-1	1,2-Dichlorobenzene		6.01	U	6.01 7.4	7.4
120-82-1	1,2,4-Trichlorobenzene		7.4	U	7.4 10.67	10.67
	Hexachloro-1,3-butadiene		10.67	U		2.21
87-68-3	1,3-Butadiene		2.21	U	2.21	7.03
106-99-0	Hexane		7.03	U	7.03	7.03 5.77
110-54-3	Benzyl Chloride		5.77	U	5.77	5.//
100-44-7	Duizyi Chiorido					

U = Not Detected

RL = Reporting Limit

MDL = Method Detection LimitE = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank N = Presumptive Evidence of a Compound

04105706



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

Report of Analysis

	Kepe	1 t 01 / mary ===			
Client: Project: Client Sample II Lab Sample ID: Analytical Meth	X1262-05	70-30 Date SDC Matu	e Collected: e Received: 3 No.: rix: nple Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0	
	Dilution	Date Analyzed	Analytic	al Batch ID	
File ID:	Dilution:	3/2/2006	VL030	106	J
VL030120.I	D 2			RL	MDL.
CAS Number	Parameter	Conc. ug/M3	Qualifier	ug/M3	ug/M3
		· ·			
TARGETS		0.99	U	0.99	0.99
75-71-8	Dichlorodifluoromethane	0.99	Ŭ	0.41	0.41
74-87-3	Chloromethane	0.41	Ū	0.51	0.51
75-01-4	Vinyl Chloride	0.51	Ū	0.78	0.78
74-83-9	Bromomethane		Ŭ	0.53	0.53
75-00-3	Chloroethane	0.53	Ŭ	1.12	1.12
75-69-4	Trichlorofluoromethane	1.12	Ŭ	0.98	0.98
67-63-0	Isopropyl Alcohol	0.98	U	1.4	1.4
76-14-2	Dichlorotetrafluoethane	1.4	U	1.53	1.53
76-13-1	1,1,2-Trichlorotrifluoroethane	1.53	Ŭ	0.88	0.88
593-60-2	Bromoethene	0.88	U	0.34	0.34
115-07-1	Propene	0.34	Ũ	0.82	0.82
142-82-5	Heptane	1.06	U	0.79	0.79
75-35-4	1,1-Dichloroethene	0.79 0.72 10-8	Ŧ	0.72	1.20.72 7.2
141-78-6	Ethyl Acetate	254 396		0.959.	u ⁹ 0.95 9.4
67-64-1	Acetone		Ľ	0.62	0.62
75-15-0	Carbon disulfide	1.37	U	0.72	0.72
1634-04-4	Methyl tert-butyl Ether	0.72	₩-L		1.39
75-09-2	Methylene Chloride	1.39	U U	0.63	0.63
107-05-1	Allyl Chloride	0.63	U	0.79	0.79
156-60-5	trans-1,2-Dichloroethene	0.79	U	0.7	0.7
108-05-4	Vinyl Acetate	0.7	U	0.81	0.81
75-34-3	1,1-Dichloroethane	0.81	U	0.67	0.67
110-82-7	Cyclohexane	0.67	U	1.18	1.18
78-93-3	2-Butanone	3.65	U	1.26	1.26
56-23-5	Carbon Tetrachloride	1.26	U	0.79	0.79
156-59-2	cis-1,2-Dichloroethene	0.79	Ŭ	0.97	0.97
67-66-3	Chloroform	0.97	U	1.44	1.44
123-91-1	1,4-Dioxane	1.44	U	1.09	1.09
71-55-6	1,1,1-Trichloroethane	1.09		1.18	1.18
71-55-6 109-99-9	1,1,1-Trichloroethane Tetrahydrofuran 2,2,4-Trimethylpentane	1.09 1.18 0.93	U	1.18 0.93	1.18 0.93

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

04105104

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

Report of Analysis

Project: Client Sample ID: Lab Sample ID:	ERM, Inc. NYSDEC Assignment D003970-30 344035-V-05S X1262-05	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0
Lab Sample ID: Analytical Method:	X1262-05 EPA TO-15	Sample Vol: ml	400.0

	Dilution:	Date Analyzed		cal Batch ID	
File ID:	_	3/2/2006	VL030	106	
VL030120.D	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
CAS Number		2.04		0.64	0.64
71-43-2	Benzene	0.81	U	0.81	0.81
107-06-2	1,2-Dichloroethane	1.07	U	1.07	1.07
79-01-6	Trichloroethene	0.92	U	0.92	0.92
78-87-5	1,2-Dichloropropane	1.34	U	1.34	1.34
75-27-4	Bromodichloromethane	1.64	U	1.64	1.64
108-10-1	4-Methyl-2-Pentanone	44.3	*	0.75	0.75
108-88-3	Toluene	0.91	U	0.91	0.91
10061-02-6	t-1,3-Dichloropropene	0.91	U	0.91	0.91
10061-01-5	cis-1,3-Dichloropropene	1.09	U	1.09	1.09
79-00-5	1,1,2-Trichloroethane	1.64	U	1.64	1.64
591-78-6	2-Hexanone	1.7	U	1.7	1.7
124-48-1	Dibromochloromethane	1.54	U	1.54	1.54
106-93-4	1,2-Dibromoethane	1.34	U	1.36	1.36
127-18-4	Tetrachloroethene	0.92	U	0.92	0.92
108-90-7	Chlorobenzene	6.85		0.87	0.87
100-41-4	Ethyl Benzene	23.5		1.73	1.73
126777-61-2	m/p-Xylene	5.12		0.87	0.87
95-47-6	o-Xylene	1.96		0.85	0.85
100-42-5	Styrene	2.07	U	2.07	2.07
75-25-2	Bromoform	1.37	U	1.37	1.37
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	0.98
108-67-8	1,3,5-Trimethylbenzene	3.73		0.98	0.98
95-63-6	1,2,4-Trimethylbenzene	2.26		0.98	0.98
622-96-8	4-Ethyltoluene	1.2	U	1.2	1.2
541-73-1	1,3-Dichlorobenzene	1.2	U	1.2	1.2
106-46-7	1,4-Dichlorobenzene	1.2	U	1.2	1.2
95-50-1	1,2-Dichlorobenzene	1.48	U	1.48	1.48
120-82-1	1,2,4-Trichlorobenzene	2.13	U	2.13	2.13
87-68-3	Hexachloro-1,3-butadiene	0.44	U	0.44	0.44
106-99-0	1,3-Butadiene	1.41	U	1.41	1.41
110-54-3	Hexane	1.15	U	1.15	1.15
100-44-7	Benzyl Chloride	1.15			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

04105706

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

Report of Analysis

	reep	01001			
		E	Date Collected:	2/3/2006	
Client:	ERM, Inc.	3970-30 E	Date Received:	2/4/2006	
Project:	NYSDEC Assignment D00	5510 20	DG No.:	X1262	
Client Sample ID	: 344035-V-05SDL		Matrix:	AIR /	
Lab Sample ID:	X1262-05DL	-		400.0	
Analytical Meth	od: EPA TO-15	2	Sample Vol: ml	400.0	
Analytical Motor		r p.S. r			
		2 4 32 ·			
				1 Datah ID	
File ID:	Dilution:	Date Analyzed		pal Batch ID	
	20	3/1/2006	VL030	106	
VL030116.D	20	Conc.	Qualifier	RL	MDL.
GAGNembor	Parameter	ug/M3	Quanner	ug/M3	ug/M3
CAS Number	1 41 41 41 40 41				
TARGETS			U	9.9	9.9
75-71-8	Dichlorodifluoromethane	9.9	/ U	4.09	4.09
75-71-8	Chloromethane	4.09	ע ט ע	5.11	5.11
75-01-4	Vinyl Chloride	5.11	U	7.77	7.77
74-83-9	Bromomethane	7.77	U	5.32	5.32
75-00-3	Chloroethane	5.32	U	11.21	11.21
75-69-4	Trichlorofluoromethane	11.21	Ŭ	9.82	9.82
67-63-0	Isopropyl Alcohol	9.82	Ŭ	13.99	13.99
76-14-2	Dichlorotetrafluoethane	13.99	U	15.3	15.3
76-13-1	1,1,2-Trichlorotrifluoroethane	15.3	Ŭ	8.75	8.75
593-60-2	Bromoethene	8.75 3.44	U	3.44	3.44
115-07-1	Propene	8.18	Ŭ	8.18	8.18
142-82-5	Heptane	7.93	Ŭ	7.93	7.93
75-35-4	1,1-Dichloroethene		D	7.2	7.2
141-78-6	Ethyl Acetate	$\begin{pmatrix} 10.8\\ 396 \end{pmatrix}$	D	9.49	9.49
67-64-1	Acetone /	6.22	U	6.22	6.22
75-15-0	Carbon disulfide	7.2	U	7.2	7.2
1634-04-4	Methyl tert-butyl Ether	13.91	U	13.91	13.91
75-09-2	Methylene Chloride	6.3	U	6.3	6.3
107-05-1	Allyl Chloride	7.93	U	7.93	7.93
156-60-5	trans-1,2-Dichloroethene	7.03	U	7.03	7.03
108-05-4	Vinyl Acetate	8.1	U	8.1	8.1
75-34-3	1,1-Dichloroethane	6.71	U	6.71	6.71
110-82-7	Cyclohexane	11.78	U	11.78	11.7
78-93-3	2-Butanone	12.6	U	12.6	12.6
56-23-5	Carbon Tetrachloride	7.93	U	7.93	7.93
156-59-2	cis-1,2-Dichloroethene	9.73	U	9.73	9.73
67-66-3	Chloroform/	14.4	U	14.4	14.4
123-91-1	1,4-Dioxane	10.88	U	10.88	
71-55-6	1,1,1-Trichloroethane	11.78	U	11.78	
109-99-9	Tetrahydrofuran 2,2,4-Trimethylpentane	9.33	U	9.33	9.3

U = Not Detected

RL = Reporting Limit

MDL = Method Detection LimitE = Value Exceeds Calibration Range

J = Estimated Value

0000000 6

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

Report of Analysis

	K	operret			
			Date Collected:	2/3/2006	
Client:	ERM, Inc.	002070-30	Date Received:	2/4/2006	
Project:	NYSDEC Assignment D	003970-30	SDG No.:	X1262	
Client Sample II): 344035-V-05SDL		Matrix:	AIR	
Lab Sample ID:	X1262-05DL	\mathcal{L}		400.0	
			Sample Vol: ml	400.0	
Analytical Meth	00: EFA 10-15	D'Y Y'			
		0 Gm	/		
		/		1 Detah ID	
	Dilution:	Date Analyzed		ical Batch ID	
File ID:		3/1/2006	VL03		
VL030116.I	20	Conc.		KD	MDL.
		ug/M3	Qualifier	ug/M3	ug/M3
CAS Number	Parameter		U	6.38	6.38
71-43-2	Benzene	6.38 8.1	U	8.1	8.1
107-06-2	1,2-Dichloroethane	8.1	U	10.72	10.72
79-01-6	Trichloroethene	9.24	U	9.24	9.24
79-01-0 78-87-5	1.2-Dichloropropane	13.42	U	13.42	13.42
75-27-4	Bromodichloromethane	13.42	U	16.36	16.36
108-10-1	4-Methyl-2-Pentanone	57.2	D	7.53	7.53
108-88-3	Toluene	9.08	U	9.08	9.08
10061-02-6	t-1.3-Dichloropropene	9.08	U	9.08	9.08
10061-02-0	cis-1.3-Dichloropropene	10.88	U	10.88	10.88
79-00-5	1,1,2-Trichloroethane	16.36	U	16.36	16.36
591-78-6	2-Hexanone	10.30	U	17.01	17.01
124-48-1	Dibromochloromethane	15.38	U	15.38	15.38
106-93-4	1,2-Dibromoethane	13.58	U	13.58	13.58
127-18-4	Tetrachloroethene /	9.24	U	9.24	9.24
108-90-7	Chlorobenzene /	9.24 8.67	U	8.67	8.67
100-41-4	Ethyl Benzene	26.9	D	17.34	17.34
126777-61 - 2	m/p-Xylene	8.67	U	8.67	8.67
95-47-6	o-Xylene	8.51	U	8.51	8.51
100-42-5	Styrene /	20.7	U	20.7	20.7
75-25-2	Bromoform/	10.7	1 U	13.74	13.74
79-34-5	1 1 2.2-Tetrachloroethane	9.82	U	9.82	9.82
108-67-8	1.3.5-Trimethylbenzene	9.82	U	9.82	9.82
95-63-6	1,2,4-Trimethylbenzene	9.82	T 1	9.82	9.82
622-96-8	4-Ethylfoluene	9.82	T .		12.02
541-73-1	1.3-Dichlorobenzene	12.0	T	J 12.02	
106-46-7	1.4-Dichlorobenzene	12.0	T		
95-50-1	1.2-Dichlorobenzene	12.0	T	J 14.81	
120-82-1	1.2.4-Trichlorobenzene	01	1	J 21.35	21.35
87-68-3	Hexachloro-1,3-butadie	ne 21. 4.4	1	U 4.42	4.42
106-99-0	1,3-Butadiene	4.4		U 14.07	
110-54-3	Hexane	14.		U 11.5	3 11.53
100-44-7	Benzyl Chloride	11.			
100 41 7	. [
			1 37-1-0		

U = Not Detected RL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range

J = Estimated Value

0410204



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

Report of Analysis

1	Kopo				\neg
		D	ate Collected:	2/3/2006	
Client:	ERM, Inc.	70-30 D	ate Received:	2/4/2006	
Project:	NYSDEC Assignment D0039	,70-50 S	DG No.:	X1262	
Client Sample II): 344035-V-06S		fatrix:	AIR	
Lab Sample ID:	X1262-06	-		400.0	
Analytical Meth	od: EPA TO-15		Sample Vol: ml	400.0	
Analytical Weth					
			Analyti	cal Batch ID	
File ID:	Dilution:	Date Analyzed			
) 1	3/2/2006	VL030		
VL030121.E) 1	Conc.	Qualifier	RL	MDL. ug/M3
CAS Number	Parameter	ug/M3	Quanna	ug/M3	ug/11/5
CAS Number					
TARGETS			U	0.49	0.49
75-71-8	Dichlorodifluoromethane	0.49	U	0.2	0.2
74-87-3	Chloromethane	0.2	Ŭ	0.26	0.26
75-01-4	Vinyl Chloride	0.26	Ŭ	0.39	0.39
75-01-4 74-83-9	Bromomethane	0.39	Ŭ	0.27	0.27
75-00-3	Chloroethane	0.27	U	0.56	0.56
75-69-4	Trichlorofluoromethane	0.56		0.49	0.49
7 5- 09-4 67-63-0	Isopropyl Alcohol	3.31	U	0.7	0.7
76-14-2	Dichlorotetrafluoethane	0.7	Ŭ	0.76	0.76
76-14-2 76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.44	0.44
593-60-2	Bromoethene	0.44	Ŭ	0.17	0.17
115-07-1	Propene	0.17	U	0.41	0.41
142-82-5	Heptane	0.41	U	0.4	0.4
75-35-4	1,1-Dichloroethene	0.4	Ŭ	0.36	0.36
141-78-6	Ethyl Acetate	0.36 1 03 1 7	-	0.474.	14 0.47 U
67-64-1	Acetone	0.4		0.31	0.31
75-15-0	Carbon disulfide	0.4	U	0.36	0.36
1634-04-4	Methyl tert-butyl Ether	2.26	₽	U 0.7	0.7
75-09-2	Methylene Chloride	0.31	Ū	0.31	0.31
107-05-1	Allyl Chloride	0.31	U	0.4	0.4
156-60-5	trans-1,2-Dichloroethene	0.4	Ū	0.35	0.35
108-05-4	Vinyl Acetate	0.33	Ŭ	0.4	0.4
75-34-3	1,1-Dichloroethane	0.4	U	0.34	0.34
110-82-7	Cyclohexane	1.71		0.59	0.59
78-93-3	2-Butanone	0.63	U	0.63	0.63
56-23-5	Carbon Tetrachloride	0.03	U	0.4	0.4
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	0.49
67-66-3	Chloroform	0.49	U	0.72	
123-91-1	1.4-Dioxane	0.72	U		
71-55-6	1,1,1-Trichloroethane	0.54	-	0.59	
109-99-9	Tetrahydrofuran 2,2,4-Trimethylpentane	0.82	Ŭ	0.47	0.47

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit E = Value Exceeds Calibration Range J = Estimated Value

B = Analyte Found in Associated Method Blank N = Presumptive Evidence of a Compound

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CENTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922 Report of Analysis

Client Sample ID: Lab Sample ID:	ERM, Inc. NYSDEC Assignment D003970-30 344035-V-06S X1262-06 EBA TO-15	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0
Analytical Method:	ЕРА ТО-15	Sample voi. m	

File ID:	Dilution:	Date Analyzed	Analytical Batch ID VL030106		
VL030121.D) 1	3/2/2006	VLUSU		MDL.
CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	ug/M3
CAS Number		1.18		0.32	0.32
71-43-2	Benzene	0.4	U	0.4	0.4
107-06-2	1,2-Dichloroethane	0.54	U	0.54	0.54
79-01-6	Trichloroethene	0.46	U	0.46	0.46
78-87-5	1,2-Dichloropropane	0.67	U	0.67	0.67
75-27-4	Bromodichloromethane	0.82	U	0.82	0.82
108-10-1	4-Methyl-2-Pentanone	14.4		0.38	0.38
108-88-3	Toluene	0.45	U	0.45	0.45
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.45
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	0.54
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	0.82
591-78-6	2-Hexanone	0.85	U	0.85	0.85
124-48-1	Dibromochloromethane	0.05	U	0.77	0.77
106-93-4	1,2-Dibromoethane	3.87		0.68	0.68
127-18-4	Tetrachloroethene	0.46	U	0.46	0.46
108-90-7	Chlorobenzene	0.74		0.43	0.43
100-41-4	Ethyl Benzene	1.3		0.87	0.87
126777-61-2	m/p-Xylene	0.43	U	0.43	0.43
95-47-6	o-Xylene	0.43	U	0.43	0.43
100-42-5	Styrene	1.03	U	1.03	1.03
75-25-2	Bromoform	0.69	U	0.69	0.69
79-34-5	1,1,2,2-Tetrachloroethane	0.09	U	0.49	0.49
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.49
95-63-6	1,2,4-Trimethylbenzene	0.49	U	0.49	0.49
622 - 96-8	4-Ethyltoluene	0.6	U	0.6	0.6
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.6
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.6
95-50-1	1,2-Dichlorobenzene	0.74	U	0.74	0.74
120-82-1	1,2,4-Trichlorobenzene	1.07	U	1.07	1.07
87-68-3	Hexachloro-1,3-butadiene	0.22	U	0.22	0.22
106-99-0	1,3-Butadiene	0.22	U	0.7	0.7
110-54-3	Hexane	0.58	U	0.58	0.58
100-44-7	Benzyl Chloride	0.50			

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an a	284 Sheffield Street, Mountainsid Repo	ort of Analysis			
Client: Project: Client Sample II Lab Sample ID: Analytical Meth	X1262-06DL	70-30	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0	
	/	Date Analyzed	Analyti	ical Batch ID	
File ID:	Dilution:	3/1/2006	VL030)106	J
VL030117.I	Parameter 10	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
AS Number	/				
ARGETS		4.95	U	4.95	4.95
5-71-8	Dichlorodifluoromethane	2.04	Ū	2.04	2.04
74-87 - 3	Chloromethane /	2.04 2.56	U	2.56	2.56
75-01-4	Vinyl Chloride/	3.89	U	3.89	3.89
74-83-9	Bromomethane	2.66	Ū	2.66	2.66
75-00-3	Chloroethane	5.6	Ū	5.6	5.6
75-69-4	Trichlorofluoromethane	5.0 4.91	Ū	4.91	4.91
67-63-0	Isopropy/Alcohol	6.99	Ŭ	6.99	6.99
76-14-2	Dichlorøtetrafluoethane	7.65	Ū	7.65	7.65
76-13-1	1,1,2-Trichlorotrifluoroethane	4.38	Ŭ	4.38	4.38
593-60-2	Brombethene	4.38	Ū	1.72	1.72
115-07-1	Propene	4.09	U	4.09	4.09
142-82-5	Heptane	3.97	U	3.97	3.97
75-35-4	1, f-Dichloroethene	3.57	U	3.6	3.6
141-78-6	Ethyl Acetate	(175)	D	4.74	4.74
67-64-1	Acetone	3.11	U	3.11	3.11
75-15-0	Carbon disulfide	3.6	U	3.6	3.6
1634-04-4	Methyl tert-butyl Ether	6.95	U	6.95	6.95
75-09-2	Methylene Chloride	3.15	U	3.15	3.15
107-05-1	Allyl Chloride	3.97	U	3.97	3.97
156-60-5	trans-1,2-Dichloroethene	3.52	U	3.52	3.52
108-05-4	Vinyl Acetate	4.05	U	4.05	4.05
75-34-3	1,1-Dichloroethane	3.35	U	3.35	3.35
110-82-7	Cyclohexane	5.89	U	5.89	5.89 6.3
78-93-3	2-Butanone	6.3	U	6.3	6.3 3.97
56-23-5	Carbon Tetrachloride	3.97	U	3.97	3.97 4.87
156-59-2	cis-1,2-Dichloroethene	4.87	U		4.87 7.2
67-66-3	Chloroform	7.2	U		7.2 5.44
123-91-1	1,4-Dioxane 1,1,1-Trichloroethane	5.44	U U		5.89
71-55-6	1,1,1-1 richloroethane Tetrahydrofuran	5.89) U		4.66
109-99-9	2,2,4-Trimethylpentane	4.66	; U	4.66	4.00

U = Not Detected RL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range

J = Estimated Value



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Report of Analysis

	Roj			,	
	ERM, Inc.		te Collected:	2/3/2006	
Client: Project:	NYSDEC Assignment D00	3970-30 Da	te Received:	2/4/2006	
Client Sample II		SI SI	DG No.:	X1262	
		м У м	atrix:	AIR	
Lab Sample ID:		CPS W S	ample Vol: ml	400.0	
Analytical Meth	hod: EPA TO-15	Sel so w s			
		0 0			
			/		\equiv
		Date Analyzed	Analytic	al Batch ID	
File ID:	Dilution:		VL030		
VL030117.I	D 10	3/1/2006	12000		MDL.
		Cone.	Qualifier	RL ug/M3	ug/M3
CAS Number	Parameter	ug/M3			3.19
	Benzene	3.19	U	3.19 4.05	4.05
71-43-2	1,2-Dichloroethane	4.05	U	4.05 5.36	5.36
107-06-2	Trichloroethene	5.36	U	5.30 4.62	4.62
79-01-6	1,2-Dichloropropane	4.62	U	4.02 6.71	6.71
78-87-5	Bromodichloromethane	6.71	U		8.18
75-27-4	4-Methyl-2-Pentanone	8.18	U	8.18	3.76
108-10-1	Toluene	/ 20.7	D	3.76	4.54
108-88-3	t-1,3-Dichloropropene	4.54	U	4.54	4.54
10061-02-6	cis-1,3-Dichloropropene	4.54	U	4.54	5.44
10061-01-5	1,1,2-Trichloroethane	5.44	U	5.44	5.44 8.18
79-00-5	2-Hexanone	8.18	U	8.18	8.51
591-78-6	Dibromochloromethane	8.51	U	8.51	7.69
124-48-1	1,2-Dibromoethane	7.69	U	7.69	6.79
106-93-4	Tetrachloroethene	6.79	U	6.79	4.62
127-18-4		4.62	U	4.62	4.02 4.34
108-90-7	Chlorobenzene	4.34	U	4.34	
100-41-4	Ethyl Benzene	8.67	U	8.67	8.67
126777-61-2	m/p-Xylene	4.34	U	4.34	4.34
95-47-6	o-Xylene	4.25	U	4.25	4.25
100-42-5	Styrene	10.35	U	10.35	10.35 6.87
75-25-2	Bromoform	6.87	U	6.87	
79-34-5	1,1,2,2-Tetrachloroethane	4.91	U	4.91	4.91
108-67-8	1,3,5-Trimethylbenzene 1,2,4-Trimethylbenzene	4.91	U	4.91	4.91
95-63-6		4.91	U	4.91	4.91
622-96-8	4-Ethyltoluene	6.01	U	6.01	6.01
541-73-1	1,3-Dichlorobenzene	6.01	U	6.01	6.01
106-46-7	1,4-Dichlorobenzene	6.01	U	6.01	6.01
95-50-1	1,2-Dichlorobenzene	7.4	U	7.4	7.4
120-82-1	1,2,4 Trichlorobenzene Hexachloro-1,3-butadiene	10.67	U	10.67	10.6
	Hexachioro-1,3-Dutauterie		U	2.21	2.21
87-68-3		2.21			-
106-99-0	1,3/Butadiene	2.21 7.03	U	7.03	7.03
				7.03 5.77	7.03 5.77

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B = Analyte Found in Associated Method BlankN = Presumptive Evidence of a Compound

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

Report of Analysis

Client: Project: Client Sample ID:	ERM, Inc. NYSDEC Assignment D003970-30 344035-VDUP(020306)	Date Collected: Date Received: SDG No.: Matrix:	2/3/2006 2/4/2006 X1262 AIR
Client Sample ID: Lab Sample ID: Analytical Method:	X1262-07	Matrix: Sample Vol: ml	AIR 400.0

File ID:	Dilution:	Date Analyzed 3/1/2006	Analyti VL030		
VL030118.I		Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
CAS Number	Parameter	ugnis			
TARGETS			U	9.9	9.9
75-71-8	Dichlorodifluoromethane	9.9	Ŭ	4.09	4.09
74-87-3	Chloromethane	4.09	Ŭ	5.11	5.11
75-01-4	Vinyl Chloride	5.11	Ŭ	7.77	7.77
74-83-9	Bromomethane	7.77	Ŭ	5.32	5.32
75-00-3	Chloroethane	5.32	Ŭ	11.21	11.21
75-69-4	Trichlorofluoromethane	11.21	Ŭ	9.82	9.82
67-63-0	Isopropyl Alcohol	9.82	U	13.99	13.99
76-14-2	Dichlorotetrafluoethane	13.99	U U	15.3	15.3
76-14-2 76-13-1	1,1,2-Trichlorotrifluoroethane	15.3	U	8.75	8.75
76-13-1 593-60-2	Bromoethene	8.75	U	3.44	3.44
	Propene	3.44	U	8.18	8.18
115-07-1	Heptane	8.18	. U	7.93	7.93
142-82-5	1,1-Dichloroethene	7.93	U	<u>_</u>	7.2
75-35-4	Ethyl Acetate	7.2	0	7 9.49	9.49
141-78-6	Acetone	12.3	T	J 6.22	6.22
67-64-1	Carbon disulfide	6.22	บ บ	7.2	7.2
75-15-0	Methyl tert-butyl Ether	7.2	U U	13.91	13.91
1634-04-4	Methylene Chloride	13.91		6.3	6.3
75-09-2	Allyl Chloride	6.3	U	7.93	7.93
107-05-1	trans-1,2-Dichloroethene	24.6		7.93	7.03
156-60-5	Vinyl Acetate	7.03	U	8.1	8.1
108-05-4	1,1-Dichloroethane	8.1	U	6.71	6.71
75-34-3	Cyclohexane	6.71	U	11.78	11.78
110-82-7	2-Butanone	11.78	U	11.78	12.6
78-93-3	Carbon Tetrachloride	12.6	U		7.93
56-23-5	cis-1,2-Dichloroethene	548		7.93	9.73
156-59-2		9.73	U	9.73	9.73 14.4
67-66-3	Chloroform	14.4	U	14.4	
123-91-1	1,4-Dioxane	10.88	U.	10.88	
71-55-6	1,1,1-Trichloroethane	11.78	U		
109-99-9	Tetrahydrofuran	9.33	U	9.33	9.33
540-84-1	2,2,4-Trimethylpentane				

U = Not Detected

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Report of Analysis

Client Sample ID: Lab Sample ID:	ERM, Inc. NYSDEC Assignment D003970-30 344035-VDUP(020306) X1262-07 EPA TO-15	Date Collected: Date Received: SDG No.: Matrix: Sample Vol: ml	2/3/2006 2/4/2006 X1262 AIR 400.0
Analytical Method:	ЕРА ТО-15	Sample Vol: III	-00.0

File ID: VL030118.D	Dilution: 20	Date Analyzed 3/1/2006	Analytic VL0301	al Batch ID 106	
CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
CAS Number		6.38	U	6.38	6.38
71-43-2	Benzene	8.1	U	8.1	8.1
107-06-2	1,2-Dichloroethane	3925 6598	E J		1910.72 26.79
79-01-6	Trichloroethene	9.24	U	9.24	9.24
78-87-5	1,2-Dichloropropane	13.42 53.7	U-		413.42 33,54
75-27-4	Bromodichloromethane	16.36	U _	16.36	16.36
108-10-1	4-Methyl-2-Pentanone	18.1	J	7.53	7.53
108-88-3	Toluene	9.08	U	9.08	9.08
10061-02-6	t-1,3-Dichloropropene	9.08	U	9.08	9.08
10061-01-5	cis-1,3-Dichloropropene	10.88	U	10.88	10.88
79 -0 0-5	1,1,2-Trichloroethane	16.36	U	16.36	16.36
591-78-6	2-Hexanone	17.01	U	17.01	17.01
124-48-1	Dibromochloromethane	15.38	U	15.38	15.38
106-93-4	1,2-Dibromoethane	956	-	13.58	13.58
127-18-4	Tetrachloroethene	9.24	U	9.24	9.24
108-90-7	Chlorobenzene	8.67	Ū	8.67	8.67
100-41-4	Ethyl Benzene	17.34	Ū	17.34	17.34
126777-61-2	m/p-Xylene	8.67	Ū	8.67	8.67
95-47-6	o-Xylene	8.51	Ŭ	8.51	8.51
100-42-5	Styrene	20.7	Ŭ	20.7	20.7
75-25-2	Bromoform	13.74	Ŭ	13.74	13.74
79-34-5	1,1,2,2-Tetrachloroethane	9.82	Ŭ	9.82	9.82
108-67-8	1,3,5-Trimethylbenzene	9.82	Ū	9.82	9.82
95-63-6	1,2,4-Trimethylbenzene	9.82	Ŭ	9.82	9.82
622-96-8	4-Ethyltoluene	9.82	Ŭ	12.02	12.02
541-73-1	1,3-Dichlorobenzene	12.02	Ŭ	12.02	12.02
106-46-7	1,4-Dichlorobenzene		Ŭ	12.02	12.02
95-50-1	1,2-Dichlorobenzene	12.02	U	14.81	14.81
120-82-1	1,2,4-Trichlorobenzene	14.81	Ŭ	21.35	21.35
87-68-3	Hexachloro-1,3-butadiene	21.35	U	4.42	4.42
106-99-0	1,3-Butadiene	4.42	U	14.07	14.07
110-54-3	Hexane	14.07	U	11.53	11.53
100-44-7	Benzyl Chloride	11.53	0		

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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

Report of Analysis

			Date Collected:	2/3/2006	
Client:	ERM, Inc.	2070-30	Date Received:	214/2006	
Project:	NYSDEC Assignment D003	5970-30		/	
Client Sample I	D: 344035-VDUP(020306)DL		SDG No.:	X1262	
Lab Sample ID	: X1262-07DL		Matrix:	AIR	
Analytical Met			Sample Vol: ml	400.0	
Analytical Mot		52 gow			
		محص ک			J
			/		\equiv
File ID:	Dilution:	Date Analyzed	Analyt	ical Batch ID	
VL030206.J	D 50	3/2/2006	VL030	0106)
CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS				o · = ·	04 74
75-71-8	Dichlorodifluoromethane	24.74	U	24.74	24.74 10.22
74-87-3	Chloromethane	/ 10.22	U	10.22	10.22
75-01-4	Vinyl Chloride	12.78	U	12.78	12.78
74-83-9	Bromomethane /	19.43	U	19.43	
75-00-3	Chloroethane /	13.29	U	13.29	13.29 28.02
75-69-4	Trichlorofluoromethane /	28.02	U	28.02	
67-63-0	Isopropyl Alcohol	24.54	U	24.54	24.54
76-14-2	Dichlorotetrafluoethane	34.97	U	34.97	34.97 38.24
76-13-1	1,1,2-Trichlorotrif/uoroethane	38.24	U	38.24	38.24 21.88
593-60-2	Bromoethene	21.88	U	21.88	21.88 8.59
115-07-1	Propene /	8.59	U	8.59	8.39 20.45
142-82-5	Heptane /	20.45	U	20.45	20.43 19.84
75-35-4	1,1-Dichloroethene	19.84	U	19.84	
141-78-6	Ethyl Acetate	18	U	18	18
67-64-1	Acetone	23.72	U	23.72	23.72 15.54
75-15-0	Carbon disulfide	15.54	U	15.54	15.54 18
1634-04-4	Methyl tert-butyl Ether	18	U	18 24.76	18 34.76
75-09-2	Methylene Chloride	34.76	U	34.76	34.78 15.75
107-05-1	Allyl Chloride	15.75	U	15.75	19.84
156-60-5	/trans-1,2-Dichloroethene	31.7	D	19.84	19.84
108-05-4	/ Vinyl Acetate	17.59	U	17.59	20.25
75-34-3	/ 1,1-Dichloroethane	20.25	U	20.25	20.23
110-82-7 /	Cyclohexane	16.77	U	16.77	29.45
78-93-3 /	2-Butanone	29.45	U	29.45	29.43 31.49
56-23-5	Carbon Tetrachloride	31.49	U	31.49	19.84
156-59-2	cis-1,2-Dichloroethene	760	D	19.84	19.84 24.34
67-66-3 /	Chloroform	24.34	U	24.34	24.34 35.99
123-91-1	1,4-Dioxane	35.99	U	35.99	33.99 27.2
71-55-6	1,1,1-Trichloroethane	27.2	U	27.2	
109-99-9	Tetrahydrofuran	29.45	U	29.45	29.45
540-84-1	2,2,4-Trimethylpentane	23.31	U	23.31	23.31

U = Not Detected

RL = Reporting Limit

MDL = Method Detection LimitE = Value Exceeds Calibration Range J = Estimated Value

04105704



CHEINTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922 Report of Analysis

Client:	ERM, Inc.		Date Collected:	2/3/2006	
Project:	NYSDEC Assignment D00	3970-30	Date Received:	/2/4/2006	
	-		SDG No.:	X1262	
Client Sample					
Lab Sample II	D: X1262-07DL		Matrix:	AIR	
Analytical Me	thod: EPA TO-15	6	Sample Vol: ml	400.0	
		Stread	× /		
		للوس من ک			J
		/		1.0 - 1 10	
File ID:	Dilution:	Date Analyzed	Analyti	cal Batch ID	
VL030206.	D 50	3/2/2006	VL030		
CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	15.95	U	15 .9 5	15.95
107-06-2	1,2-Dichloroethane	20.25	U	_ 20.25	20.25
79-01-6	Trichloroethene	(6598)	EDJ	26.79	26.79
78-87-5	1,2-Dichloropropane	23.11	U	23.11	23.11
75-27-4	Bromodichloromethane	(53.7)	D	33.54	33.54
108-10-1	4-Methyl-2-Pentanone	40.9	U	40.9	40.9
108-88-3	Toluene	24.5	D	18.81	18.81
10061-02-6	t-1,3-Dichloropropene	22.7	U	22.7	22.7
10061-01-5	cis-1,3-Dichloropropene	22.7	U	22.7	22.7
79-00-5	1,1,2-Trichloroethane	27.2	U	27.2	27.2
591-78-6	2-Hexanone	40.9	U	40.9	40.9
124-48-1	Dibromochloromethane	42.54	U	42.54	42.54
106-93-4	1,2-Dibromoethane	38.45	U	38.45	38.45
127-18-4	Tetrachloroethene	1477	D	33.95	33.95
108-90-7	Chlorobenzene	23.11	U	23.11	23.11
100-41-4	Ethyl Benzene	21.68	U	21.68	21.68
126777-61-2	m/p-Xylene	43.35	U	43.35	43.35
95-47-6	o-Xylene/	21.68	U	21.68	21.68
100-42-5	Styrene /	21.27	U	21.27	21.27
75-25-2	Bromoform	51.74	U	51.74	51.74
79-34-5	1,1,2,2-Tetrachloroethane	34.36	U	34.36	34.36
108-67-8	1,3,5-Trimethylbenzene	24.54	U	24.54	24.54
95-63-6	1,2,4-Trimethylbenzene	24.54	U	24.54	24.54
622-96-8	4- ⊈thyltoluene	24.54	U	24.54	24.54
541-73-1	1 \$-Dichlorobenzene	30.06	U	30.06	30.06
106-46-7	1/,4-Dichlorobenzene	30.06	U	30.06	30.06
95-50-1	/1,2-Dichlorobenzene	30.06	U	30.06	30.06
120-82-1	/1,2,4-Trichlorobenzene	37.01	U	37.01	37.01
87-68-3	/ Hexachloro-1,3-butadiene	53.37	U	53.37	53.37
106-99-0	/ 1,3-Butadiene	11.04	U	11.04	11.04
110-54-3	/ Hexane	35.17	U	35.17	35.17
100-44-7	Benzyl Chloride	28.83	U	28.83	28.83

U = Not DetectedRL = Reporting Limit MDL = Method Detection Limit E = Value Exceeds Calibration Range J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

01105106