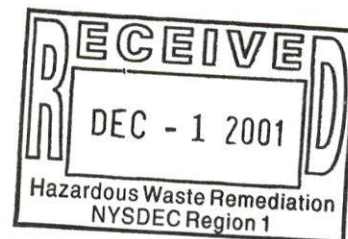


**Groundwater and Surface Water
Sampling & Analysis
East Northport Landfill
East Northport, New York
September, 2001**



Prepared for:

**Town of Huntington Department of Environmental Waste Management
100 Main Street
Huntington, New York 11743**

Prepared by:

**R & C Formation, Ltd.
30 Broadway, Suite 6
Massapequa, New York 11758**

583



TOWN OF HUNTINGTON

ENVIRONMENTAL WASTE MANAGEMENT

Philip C. Nolan
Director

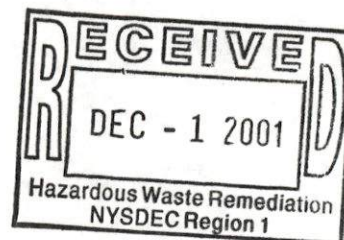
FRANK P. PETRONE, Supervisor



November 20, 2001

Mr. Gerald J. Rider, P.E.
Bureau of Hazardous Site Control
NYS Dept. of Environmental Conservation
50 Wolf Road
Albany, New York 1223307010

Re. Huntington/East Northport Landfill
NYSDEC Site # 1-52-040



Dear Mr. Rider,

As required under the Record of Decision for the above referenced site, transmitted herewith please find a copy of the "Groundwater and Surface Water Sampling and Analysis" report for the East Northport Landfill for the second half of 2001.

Please do not hesitate to contact me if you have any questions or comments on this report.

RCK:rk
Encl. (1)

cc: P. Nolan, Director, DEWM, w/encl.
J.J. Anastasia II, TOH, Director, DMS
S. Farkas, NYSDEC, w/encl.

Truly yours,

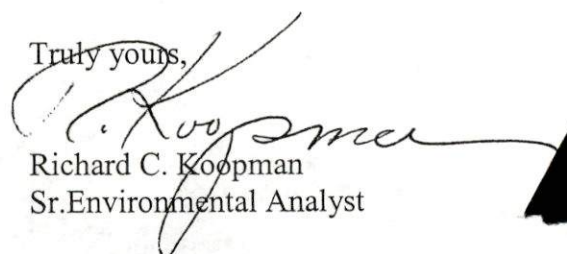

Richard C. Koopman
Sr. Environmental Analyst

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Section HA-1A

Tabulated comparison of historical analytical results in order as follows: CW1-S, CW1-M, CW2-M, CW4-S, CW4-M, EN1-M, EN6-S, EN6-M, EN7-M, EN9-M, EN10-M, SW-1, SW-2, SW-3, SW-4, SW-5, SW-6, SW-7

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Appendix

Appendix 1. Laboratory Analytical Data

Groundwater and Surface Water Sampling & Analysis East Northport Landfill East Northport, New York September, 2001

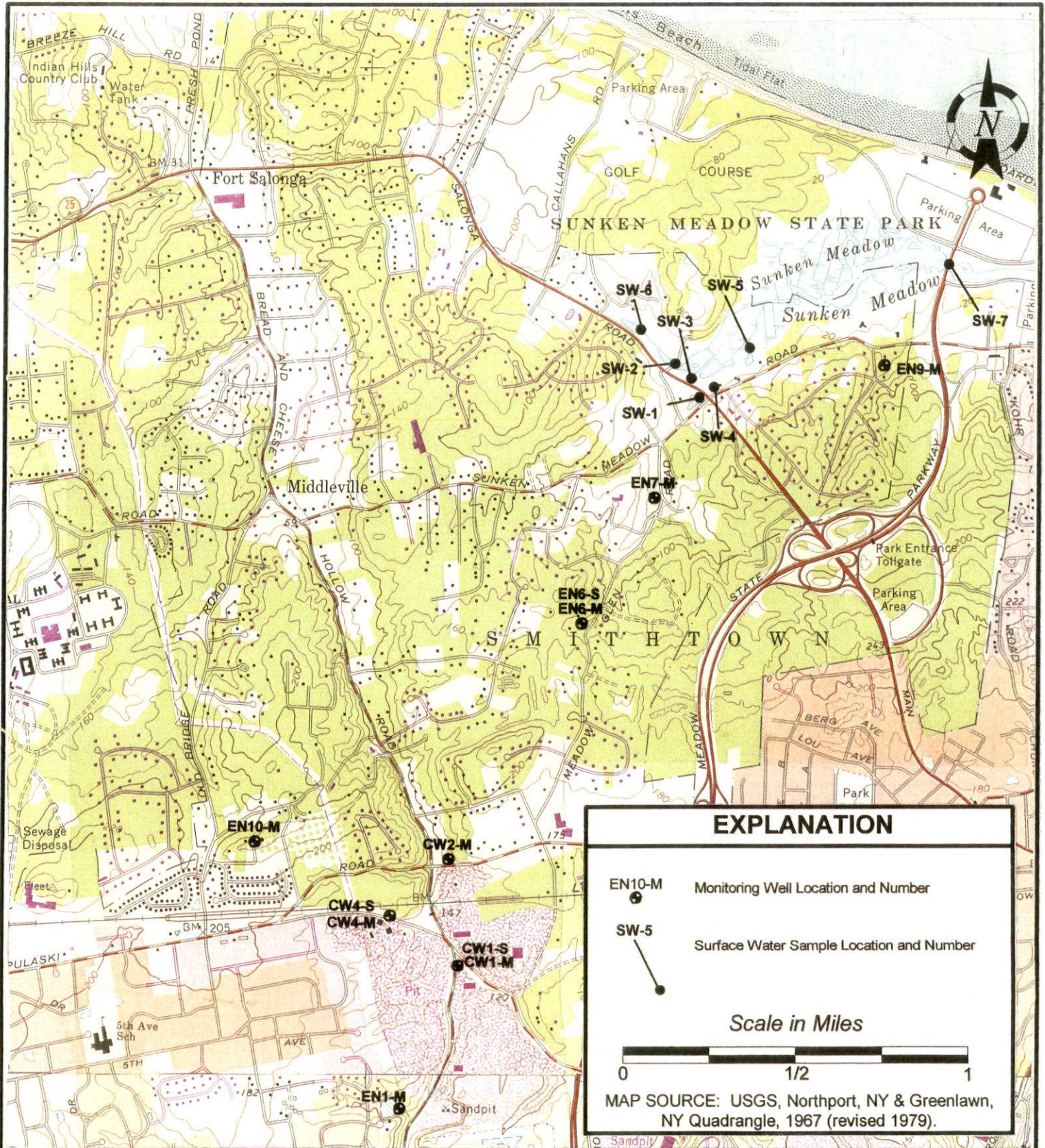
Introduction

This report presents the results of September, 2001 groundwater and surface water sampling and analyses performed as stipulated by the Record of Decision for the East Northport Landfill Remedial Investigation/Feasibility Study. The aforementioned Record of Decision requires "semi-annual sampling and analysis of eleven groundwater monitoring wells and seven surface water locations for leachate parameters." Figure 1 depicts the location of each sampling point. The scope-of-work completed (per our agreement with the Town of Huntington Department of Environmental Waste Management dated February 5, 2001) is presented below. A description of sampling methodology, quality assurance/quality control procedures, and a summary of analytical results follows.

Scope of Work

The scope-of-work includes the following:

- 1) sampling of groundwater monitoring wells CW1-S, CW1-M, CW4-S, CW4-M, EN1-M, EN6-S, EN6-M, EN7-M, EN9-M, EN10-M and surface water locations SW-1 through SW-7 (note: monitoring well CW2-M, typically included in this sampling program, was not accessible, though it will be included in future sampling events);
- 2) analyzing collected groundwater samples for *Volatile Organic Compounds (VOC's)* by EPA method 624 with TCL parameter list and ASP category B reporting of data; *Metals* (Aluminum, Arsenic, Chromium, Cadmium, Calcium, Iron, Lead, Magnesium, Mercury, Potassium, Sodium); and *Leachate Indicators* (Alkalinity/Bicarbonate, Ammonia, Nitrate, Chloride, TDS, Hardness, Sulfate);
- 3) analyzing collected surface water samples for *Volatile Organic Compounds* and *Leachate Indicators* (as above); and



Groundwater and Surface Water Sampling Locations

**East Northport Landfill
Post Closure Water Sampling**

Prepared By: RDH

Date: May 1997

Reviewed By: RNC

Figure: 1

- 4) measuring and recording appropriate field data including Temperature, pH, Specific Conductivity, Dissolved Oxygen, Salinity and Turbidity.

Sampling Methodology

Groundwater sampling methodology includes purging a minimum of 3-5 casing volumes of water from each monitoring well with a Grundfos Redi-Flo2 submersible centrifugal pump and per-well dedicated tubing prior to sample collection. During well purging activities, dissolved oxygen, specific conductivity, temperature, pH, salinity and turbidity are measured and recorded on a per-casing-volume basis. Groundwater samples are collected following the stabilization of these values to within 10 %. The Grundfos Redi-Flo2 sampling pump is cleaned internally and externally with an Alconox and water solution, followed by two fresh water rinses, between each sampling location.

Surface water samples are collected by submerging laboratory supplied containers at each sample location and allowing water to flow smoothly into them. In addition, surface water sampling activities are performed in absence of precipitation to minimize the influence of surface water runoff from adjacent land surfaces and roadways. Collected surface water samples, therefore, reflect stream base-flow and, for the most part, the quality of groundwater.

All seven surface water samples (i.e., SW-1 through SW-7), as well as groundwater sampled from monitoring wells EN10-M, CW4-S, CW4-M, CW1-S and CW1M were collected September 19, 2001. Groundwater samples from monitoring wells EN1-M, EN6-S, EN6-M, EN7-M and EN9-M were collected September 20, 2001. Upon completion of sampling activities, collected samples were submitted under chain-of-custody control to New York State Department of Health certified Chemtech for chemical analysis. A copy of the original laboratory "Sample Data Summary Package" is presented in Appendix 1.

Table 1 presents a summary of field data measured and recorded at all sampling locations. Data associated with groundwater monitoring well sampling points reflect the last value measured during purging activities.

Quality Assurance/Quality Control

A narrative discussion (conformance/nonconformance summary) of QA/QC procedures applied by Chemtech, which includes instrument calibrations, analysis of method blanks, matrix spike blanks and percent-recovery of surrogates (system monitoring compounds)

is presented in Appendix 1. Matrix spike/matrix spike duplicates (MS/MSD's) were collected to support both groundwater and surface water analyses. The MS/MSD samples were collected from monitoring well EN7-M and sampling location SW-3 for groundwater and surface water QA/QC purposes, respectively. In addition, trip blanks identified as TB-GW and TB-SW, representative of groundwater and surface water samples, respectively, were analyzed for volatile organic compounds. A field blank (FB-920) representative of groundwater sampling activities was also analyzed for volatile organic compounds.

As a means to assess laboratory performance and the accuracy of analytical results, a blind duplicate of groundwater sampled from monitoring well CW1-M (identified as GW-B) was collected and analyzed for all "groundwater parameters." A blind duplicate collected from surface water sample location SW-2 (identified as SW-B) was analyzed for all "surface water parameters."

Summary of Analytical Results

QA/QC Samples

Targeted analytes (i.e., volatile organic compounds) were not detected in either of the aforementioned trip blanks. In addition, with the exception of methylene chloride - a typical "in house" laboratory contaminant - targeted analytes were not detected in collected field blank FB-920. Furthermore, analytical results relative to blind duplicate samples and respective groundwater and surface water samples are similar (see Tables 2, 2A, 3 and 3A). Consequently, the results of groundwater and surface water analyses summarized below, are considered valid.

Groundwater

Analytical results and New York State Department of Environmental Conservation (NYSDEC) Class GA drinking water standards for volatile organic compounds and metals/leachate indicators, are summarized on Tables 2 and 2A, respectively.

As shown on Table 2, volatile organic compounds detected in excess of NYSDEC drinking water standards include *trichloroethene* (EN7-M), *benzene* (CW1-S, EN7-M), *tetrachloroethene* (EN6-M, EN7-M) and *chlorobenzene* (CW1-S).

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As shown on Table 2A, metals detected in excess of NYSDEC drinking water standards include *arsenic* (CW1-S, CW1-M), *iron* (CW1-S, CW1-M, CW4-S, EN6-S), and *sodium* (CW1-S, CW1-M, EN6-S, EN6-M, EN7-M, EN9-M). Leachate indicators detected in excess of NYSDEC's drinking water standards include *ammonia* (CW1-S, CW1-M) and *chloride* (EN7-M).

Surface Water

Tables 3 and 3A summarize analytical results and NYSDEC Class GA drinking water standards for volatile organic compounds and leachate indicators, respectively.

As shown on Table 3, the sole volatile organic compound detected, *tetrachloroethene*, is at a concentration above NYSDEC's drinking water standard in surface water sample SW-2. As shown on Table 3A, the leachate indicator *chloride* was detected in excess of NYSDEC's drinking water standard at surface water sampling location SW-7. As noted in prior reports, the elevated concentration of chloride is attributable to the influence of saline surface water (sampling point SW-7 is within the tidal portion of Sunken Meadow Creek).

Historical Analysis

Section HA-1A presents a detailed tabulated comparison of historical analytical results. In general, analytical results of September, 2001 sampling activities continue to be consistent with past events (i.e., June, 1996, April & September, 1997, April & September, 1998, April & September, 1999, April & September, 2000, April, 2001). A summary of inconsistencies with the most recent analyses, April, 2001, is presented below.

Groundwater

* The concentration of *1,1,1-trichloroethane* decreased in groundwater sampled from monitoring well EN1-M from 6.0 micrograms per liter ($\mu\text{g/l}$), a concentration above NYSDEC's drinking water standard of 5.0 $\mu\text{g/l}$, to non-detect (at a detection limit of 0.3 $\mu\text{g/l}$).

* The concentration of *chlorobenzene* increased in groundwater sampled from monitoring well CW1-S from non-detect (at a detection limit of 0.2 $\mu\text{g/l}$) to 6.5 $\mu\text{g/l}$, a concentration above NYSDEC's drinking water standard of 5.0 $\mu\text{g/l}$.

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* The concentration of *chromium* decreased in groundwater sampled from monitoring wells CW1-M and EN6-S from 83.9 µg/l and 430.0 µg/l, respectively, concentrations above NYSDEC's drinking water standard of 50.0 µg/l, to non-detect (at a detection limit of 5.0 µg/l) and 41.3 µg/l.

* The concentration of *chloride* decreased in groundwater sampled from monitoring well CW1-S from 260 milligrams per liter (mg/l), a concentration above NYSDEC's drinking water standard of 250.0 mg/l, to 210.0 mg/l.

Surface Water

* The concentration of *tetrachloroethene* increased at surface water sampling location SW-2 from 4.8 µg/l, a concentration below NYSDEC's drinking water standard of 5.0 µg/l, to 6.9 µg/l.

Table 1
Summary of Field Data
Measured September 19, 20, 2001
East Northport Landfill, East Northport, NY

Sampling Point	Dissolved Oxygen (mg/l)	Conductivity (umhos)	Temperature (°centigrade)	pH (units)	Salinity (‰)	Turbidity (ntu)
CW1-S	0.80	1500	24.0	7.27	1.0	4.84
CW1-M	1.00	850	24.0	6.90	0.5	3.51
CW2-M	na	na	na	na	na	na
CW4-S	0.70	150	16.0	6.76	0.0	7.53
CW4-M	6.20	175	16.0	6.65	0.0	3.95
EN1-M	7.60	240	14.5	6.20	0.0	2.00
EN6-S	7.60	195	13.5	5.48	0.0	8.15
EN6-M	3.20	400	13.5	6.12	0.0	8.23
EN7-M	1.30	700	13.0	6.05	0.0	1.95
EN9-M	4.20	300	12.0	6.97	0.0	2.45
EN10-M	6.80	170	17.5	6.31	0.0	0.87
SW-1	6.10	180	15.0	5.89	0.0	2.10
SW-2	6.50	150	22.0	6.22	0.0	9.40
SW-3	3.90	150	12.0	6.23	0.0	6.20
SW-4	6.20	175	15.0	6.79	0.0	2.41
SW-5	4.20	255	15.0	6.04	0.0	1.95
SW-6	7.40	195	19.5	7.53	0.0	6.05
SW-7	9.80	2450	21.5	7.08	1.5	8.04

Note:
na: not accessible

page 1 of 2

Reported in Micrograms per Liter

Parameter	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-B	TB-GW	FB-920	NYSDEC Class GA Standard
Chloromethane	ND(1.1)	ND(1.1)	na	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	5.0
Bromomethane	ND(0.6)	ND(0.6)	na	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)	5.0
Vinyl Chloride	ND(1.0)	ND(1.0)	na	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.0
Chloroethane	ND(0.7)	ND(0.7)	na	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)	5.0
Methylene Chloride	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	4.1	5.0
Trichlorofluoromethane	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.0
1,1-Dichloroethene	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	1.4	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	0.7	ND(0.4)	ND(0.4)	ND(0.4)	5.0
1,1-Dichloroethane	ND(0.2)	ND(0.2)	na	ND(0.2)	ND(0.2)	2.2	ND(0.2)	ND(0.2)	2.0	ND(0.2)	1.9	ND(0.2)	ND(0.2)	ND(0.2)	5.0
trans-1,2-Dichloroethene	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.0
Chloroform	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	1.3	0.8	ND(0.3)	ND(0.3)	ND(0.3)	0.8	ND(0.3)	ND(0.3)	ND(0.3)	7.0
1,2-Dichloroethane	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
1,1,1-Trichloroethane	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
Carbon Tetrachloride	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
Bromodichloromethane	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	50.0 GV
1,2-Dichloropropane	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.0
cis-1,3-Dichloropropene	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
Trichloroethene	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	2.4	6.1	ND(0.4)	0.6	ND(0.4)	ND(0.4)	ND(0.4)	5.0
Benzene	2.4	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.9	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.7
Dibromochloromethane	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	50.0 GV
trans-1,3-Dichloropropene	ND(0.2)	ND(0.2)	na	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	5.0
1,1,2-Trichloroethane	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
2-Chloroethylvinyl Ether	ND(1.1)	ND(1.1)	na	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	NS/GV
Bromoform	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	50.0 GV
1,1,2,2-Tetrachloroethane	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
Tetrachloroethene	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	0.9	0.6	9.1	23.0	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
Toluene	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	5.0
Chlorobenzene	6.5	ND(0.2)	na	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	5.0

Table 2 continued

page 2 of 2

Contaminant	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-B	TB-GW	FB-920	NYSDEC Class GA Standard
Ethylbenzene	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.0
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	na	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.7
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	na	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.0
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	na	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	4.7

Note:

ND(): Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per October 1993 revision)

GV: NYSDEC Guidance Value for Source of Drinking Water (per October 1993 revision)

NS/GV: No NYSDEC Standard or Guidance Value Established

Standard of 4.7 applies to sum of 1,4 and 1,2 Dichlorobenzene

na: not accessible

Table 2A

**Summary of Analytical Results-Groundwater
East Northport Landfill, East Northport, NY
Sampled September 19, 20, 2001
Metals and Leachate Indicators**

Reported in Micrograms per Liter (µg/l) and Milligrams per Liter (mg/l)

Metals (µg/l)	CW1-S	CW1-M	CW2-M	CW4-S	CW4-M	EN1-M	EN6-S	EN6-M	EN7-M	EN9-M	EN10-M	GW-B	NYSDEC Class GA Standard
Aluminum	ND(45.7)	ND(45.7)	na	202.0	ND(45.7)	ND(45.7)	217.0	ND(45.7)	ND(45.7)	ND(45.7)	ND(45.7)	ND(45.7)	NS/GV
Arsenic	71.0	70.4	na	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	63.1	25.0
Cadmium	ND(3.0)	ND(3.0)	na	3.3 B	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	10.0
Calcium	19,300.0	20,000.0	na	12,600.0	21,400.0	26,200.0	14,100.0	77,400.0	86,200.0	20,900.0	21,500.0	19,000.0	NS/GV
Chromium	ND(5.0)	ND(5.0)	na	ND(5.0)	ND(5.0)	ND(5.0)	41.3	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	50.0
Iron	5,080.0	13,900.0	na	2,210.0	18.3 B	29.2 B	1,280.0	20.1 B	ND(7.0)	ND(7.0)	16.4 B	12,900.0	300.0
Lead	ND(3.0)	ND(3.0)	na	14.9	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	25.0
Magnesium	27,600.0	20,300.0	na	2,400.0 B	8,280.0	9,810.0	6,560.0	25,600.0	36,000.0	9,420.0	8,120.0	19,400.0	35,000.0 GV
Mercury	0.25	ND(0.2)	na	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.32	0.27	ND(0.2)	0.22	2.0
Potassium	133,000.0	59,700.0	na	5,080.0	1,170.0 B	1,270.0 B	1,570.0 B	3,800.0 B	4,900.0 B	1,700.0 B	1,110.0 B	62,500.0	NS/GV
Sodium	336,000.0	119,000.0	na	8,520.0	10,600.0	15,200.0	28,100.0	72,300.0	252,000.0	30,100.0	13,500.0	123,000.0	20,000.0
Leachate Indicators (mg/l)													
Ammonia	170.0	71.0	na	0.6	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	71.0	2.0
Bicarbonate	1,500.0	410.0	na	49.0	44.0	34.0	24.0	150.0	220.0	45.0	28.0	600.0	NS/GV
Chloride	210.0	89.0	na	11.0	22.0	28.0	48.0	120.0	260.0	80.0	25.0	87.0	250.0
Nitrate	ND(0.5)	ND(0.5)	na	ND(0.5)	6.9	9.5	6.9	3.6	0.99	1.0	8.2	ND(0.5)	10.0
Sulfate	31.0	83.0	na	10.0	31.0	52.0	25.0	150.0	230.0	17.0	40.0	83.0	250.0
Alkalinity	1,500.0	410.0	na	49.0	44.0	34.0	24.0	150.0	220.0	45.0	28.0	600.0	NS/GV
TDS	1,500.0	670.0	na	70.0	140.0	160.0	140.0	460.0	780.0	190.0	130.0	670.0	NS/GV
Hardness	160.0	130.0	na	41.0	88.0	110.0	62.0	300.0	360.0	91.0	87.0	130.0	NS/GV

Note:

ND(): Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per October 1993 revision)

GV: NYSDEC Guidance Value for Source of Drinking Water (per October 1993 revision)

NS/GV: No NYSDEC Standard or Guidance Value Established

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

na: Not accessible

page 1 of 2

Reported in Micrograms per liter

[illegible]

Table 3 continued

page 2 of 2

Contaminant	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-B	TB-SW	NYSDEC Class GA Standard
Ethylbenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.0
1,2-Dichlorobenzene	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	4.7
1,3-Dichlorobenzene	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	5.0
1,4-Dichlorobenzene	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	4.7

Note:

ND(): Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per October 1993 revision)

GV: NYSDEC Class GA Guidance Value for Source of Drinking Water (per October 1993 revision)

NS/GV: No NYSDEC Standard or Guidance Value Established

Standard of 4.7 applies to sum of 1,4 and 1,2 Dichlorobenzene

Table 3A

**Summary of Analytical Results-Surface Water
East Northport Landfill, East Northport, NY
Sampled September 19, 2001**

Leachate Indicators

Reported in Milligrams per Liter

Parameter	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-B	NYSDEC Class GA Standard
Ammonia	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	2.0
Bicarbonate	29.0	49.0	23.0	31.0	39.0	44.0	54.0	50.0	NS/GV
Chloride	44.0	56.0	31.0	46.0	97.0	44.0	2,600.0	58.0	250.0
Nitrate	1.6	1.4	3.1	1.7	4.0	1.6	ND(0.5)	1.6	10.0
Sulfate	22.0	37.0	21.0	22.0	29.0	16.0	370.0	37.0	250.0
Alkalinity	29.0	49.0	23.0	31.0	39.0	44.0	54.0	50.0	NS/GV
TDS	120.0	180.0	100.0	130.0	240.0	130.0	3,600.0	180.0	NS/GV
Hardness	37.0	61.0	34.0	38.0	74.0	34.0	140.0	65.0	NS/GV

Note:

ND(): Compound not detected at the method detection limit

NYSDEC Class GA Standards: New York State Department of Environmental Conservation Ambient Water Quality Standards for Source of Drinking Water Title 6 Part 703 (per October 1993 revision)

NS/GV: No NYSDEC Standard or Guidance Value Established

Section HA-1A

CW1-S
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	3.0	3.0	3.0 J	3.0 J	ND(0.5)	1.6	ND(0.3)	ND(0.3)	2.9	2.4
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		10.0	15.0	11.0	7.0	ND(5.0)	ND(0.6)	9.8	5.3	6.2	ND(0.2)	6.5
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	1.0 J	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	0.8	0.7	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			4.0	3.0	3.0 J	ND(10.0)	2.4	2.9	ND(0.3)	2.5	2.9	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW1-S
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/22/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/19/01
Aluminum		180 b	162.0 B	44.2 B	ND(26.8)	85.4 B	ND(200.0)	49.6 B	54.1 B	124.0 B	30.1 B	ND(45.7)
Arsenic		62.1	79.4	62.4	44.8 B	70.8	61.0	56.8	67.2	60.6	67.6	71.0
Cadmium		ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	ND(0.4)	ND(3.0)
Calcium		14,500.0	27,900.0	12,800.0	15,000.0 E	25,700.0	13,600.0	12,300.0	17,500.0	17,200.0	22,800.0	19,300.0
Chromium		8 b	10.8	7.9 B	ND(8.3)	22.0	ND(5.0)	4.8 B	4.8 B	4.1 B	6.6 B	ND(5.0)
Iron		3,570.0	5,760.0	3,690.0	4,540.0	5,900.0	5,270.0	5,450.0	5,800.0	5,510.0	4,580.0	5,080.0
Lead		5.4	ND(1.6)	ND(1.6)	ND(1.1)	3.0	ND(4.0)	4.2	12.7	2.2 B	ND(2.5)	ND(3.0)
Magnesium		32,900	47,300.0	31,300.0	36,700.0 E	34,200.0 E	30,700.0	24,300.0	37,300.0	30,700.0	35,400.0	27,600.0
Mercury		ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.19 B	ND(0.1)	ND(0.2)	0.25
Potassium		263,000	384,000.0	239,000.0	199,000.0	228,000.0 E	177,000.0	140,000.0 E	195,000.0	194,000.0 B	182,000.0	133,000.0
Sodium		472,000	592,000.0 E	480,000.0 E	406,000.0	450,000.0 E	360,000.0	271,000.0	420,000.0	442,000.0	447,000.0	336,000.0
Leachate Indicators (mg/l)												
Ammonia		273.0	343.0	319.0	280.0	190.0	243.0	143.0	190.0	200.0	180.0	170.0
Bicarbonate			2,330.0	1,850.0	1,820.0	1,850.0	1,550.0	1,539.0	1,400.0	1,240.0	1,400.0	1,500.0
Chloride		477	520.0	5.2	362.0	337.0	282.0	276.0	240.0	270.0	260.0	210.0
Nitrate		3.73	0.1	ND(0.04)	ND(0.2)	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Sulfate		5	ND(3.0)	17.4	30.0	22.5	34.0	31.2	24.0	1.8	7.8	31.0
Alkalinity		216	2,330.0	1,850.0	1,820.0	1,850.0	1,550.0	1,540.0	1,400.0	1,240.0	1,400.0	1,500.0
TDS		3,600	2,300.0	2,070.0	1,540.0	1,690.0	1,430.0	1,821.0	1,500.0	1,600.0	1,290.0	1,500.0
Hardness		44	263.57	160.0	188.0 E	204.0	160.0	2,000.0	200.0	170.0	200.0	160.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

CW1-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	2.0	2.0	2.0 J	1.0 J	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		5.4	5.0	4.0	3.0 J	ND(5.0)	ND(0.6)	2.9	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	0.8 J	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			3.0	ND(2.0)	2.0 J	ND(10.0)	1.6	1.6	ND(0.3)	1.2	0.6	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW1-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/19/01
Aluminum		526	157.0 B	123.0 B	ND(26.8)	ND(21.3)	ND(200.0)	42.0 B	68.6 B	89.8 B	105.0 B	ND(45.7)
Arsenic		49.4	58.9	44.3	34.9	52.7	64.0	58.3	52.8	54.7	113.0	70.4
Cadmium		ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	0.74 B	ND(3.0)
Calcium		3,580 b	4,270.0 B	2,550.0 B	16,500.0 E	19,300.0	20,000.0	22,500.0	19,600.0	17,700.0	18,900.0	20,000.0
Chromium		8.4 b	5.2 B	4.7 B	9.9 B	ND(8.2)	ND(5.0)	1.9 B	8.3 B	1.0 B	83.9	ND(5.0)
Iron		1,960	1,930.0	1,510.0	9,060.0	9,690.0	11,300.0	12,900.0	8,710.0	13,600.0	23,700.0	13,900.0
Lead		3.4	2.1 B	3.1	ND(1.1)	1.7 B	ND(4.0)	ND(3.0)	147.0	ND(2.0)	ND(2.5)	ND(3.0)
Magnesium		20,000	22,200.0	14,500.0	26,900.0 E	22,000.0 E	26,200.0	22,300.0	24,200.0	17,300.0	18,700.0	20,300.0
Mercury		ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)
Potassium		195,000	271,000.0	137,000.0	100,000.0	89,400 E	88,700.0	77,500.0 E	93,800.0	63,900.0	66,600.0	59,700.0
Sodium		391,000	411,000.0 E	302,000.0 E	177,000.0 E	163,000.0 E	152,000.0	142,000.0	160,000.0	102,000.0	120,000.0	119,000.0
Leachate Indicators (mg/l)												
Ammonia		221.0	204.0	195.0	115.0	84.0	106.0	80.0	90.0	65.0	50.0	71.0
Bicarbonate			1,450.0	1,180.0	814.0	724.0	680.0	597.0	560.0	420.0	340.0	410.0
Chloride		363	255.0	337.0	173.0	115.0	119.0	116.0	91.0	71.0	68.0	89.0
Nitrate		2.73	0.45	0.29	0.28	ND(0.05)	ND(0.50)	ND(0.05)	ND(0.5)	ND(0.5)	0.6	ND(0.5)
Sulfate		3.18	16.0	38.9	120.0	93.9	99.0	200.0	90.0	76.0	54.0	83.0
Alkalinity		1,870	1,450.0	1,180.0	814.0	724.0	680.0	598.0	560.0	420.0	340.0	410.0
TDS		2,570	1,280.0	1,380.0	736.0	744.0	773.0	792.0	770.0	600.0	420.0	670.0
Hardness		21	101.62	65.8	152.0 E	139.0	95.7	897.0	150.0	120.0	120.0	130.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

CW2-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	na
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	na
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	na
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	na
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	na
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	na
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	na
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	na
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	2.0 J	2.0 J	4.6	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	na
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	na
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	na
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	na
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	na
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	na
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	na
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	na
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	2.2	ND(0.4)	1.2	na
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	na
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	na
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	na
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	na
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	na
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	na
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	na
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	2.9	3.7	2.8	na
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	na
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	na
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	na
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	na
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	na
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	na

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

na: Not Accessible

CW2-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/20/01
Aluminum		60 b	156.0 B	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	36.5 B	ND(25.8)	93.8 B	86.8 B	na
Arsenic		ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	24.2	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)	ND(2.5)	na
Cadmium		ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	4.7 B	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	ND(0.4)	na
Calcium		48,500.0	56,400.0	46,100.0	24,400.0 E	25,900.0	22,800.0	25,700.0	28,800.0	21,300.0	27,000.0	na
Chromium		ND(1.0)	ND(1.8)	ND(1.0)	ND(8.3)	10.3	ND(5.0)	2.3 B	4.7 B	ND(0.7)	ND(0.8)	na
Iron		416	263.0	346.0	109.0 B	484.0	390.0	184.0	60.9 B	112.0	93.8 B	na
Lead		ND(3.0)	ND(1.6)	ND(1.6)	3.5	2.4 B	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)	2.9 B	na
Magnesium		7,500	6,960.0	7,510.0	4,800.0 BE	5,860.0 E	6,010.0	6,940.0	7,940.0	6,260.0	8,240.0	na
Mercury		ND(0.2)	ND(0.06)	0.05 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	na
Potassium		16,800	13,500.0	11,500.0	6,050.0	7,060.0 E	5,640.0	5,880.0 E	7,160.0	5,950.0	6,960.0	na
Sodium		34,900	31,700.0 E	31,800.0 E	23,500.0 E	24,400.0 E	22,500.0	29,500.0	27,600.0	24,800.0	31,300.0	na
Leachate Indicators (mg/l)												
Ammonia		2.52	ND(0.05)	1.19	1.1	4.9	0.74	7.40	0.20	ND(0.2)	ND(0.2)	na
Bicarbonate			111.0	67.2	63.8	70.3	61.0	73.0	68.0	110.0	59.0	na
Chloride		51.4	31.2	44.1	37.2	26.9	33.6	40.8	46.0	46.0	43.0	na
Nitrate		ND(1.0)	1.31	ND(0.04)	0.46	ND(0.05)	ND(0.50)	0.295	0.860	0.900	1.600	na
Sulfate		76.4	55.5	40.2	40.0	39.8	36.5	48.8	39.0	39.0	31.0	na
Alkalinity		110	111.0	67.2	63.8	70.3	61.0	74.0	68.0	110.0	59.0	na
TDS		334	352.0	279.0	224.0	178.0	158.0	158.0	180.0	190.0	190.0	na
Hardness		55	169.62	145.0	80.7 E	88.7	80.8	110.0	100.0	79.0	100.0	na

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

na: Not Accessible

CW4-S
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	17.0	23.0	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	1.2	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	3.0	ND(5.0)	4.0 J	5.2	ND(0.3)	ND(0.4)	1.7	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		5.5	ND(3.0)	4.0	ND(5.0)	5.0 J	4.6	5.5	ND(0.3)	2.3	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW4-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.9 J	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	1.0	ND(5.0)	1.0 J	1.0	ND(0.5)	ND(0.3)	1.4	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	2.2	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	2.1	ND(0.3)	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

CW4-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/23/97	9/11/97	4/30/98	9/30/98	4/14/99	9/2/99	4/26/00	9/5/00	4/25/01	9/20/01
Aluminum		65.2 b	157.0 B	ND(34.8)	29.8 B	ND(21.3)	ND(200.0)	27.6 B	ND(25.8)	80.7 B	110.0 B	ND(45.7)
Arsenic		ND(9.0)	ND(4.5)	ND(2.7)	2.6 B	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)	ND(2.5)	ND(5.0)
Cadmium		ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(0.3)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	0.88 B	ND(3.0)
Calcium		34,700.0	40,000.0	24,500.0	23,200.0 E	24,500.0	21,600.0	25,100.0	24,200.0	21,100.0	27,500.0	21,400.0
Chromium		1.3 b	4.0 B	2.2 B	ND(8.3)	36.4	ND(5.0)	1.7 B	11.3	3.6 B	2.9 B	ND(5.0)
Iron		ND(27.0)	ND(34.0)	38.5 B	151.0	41.0 B	ND(50.0)	ND(21.0)	175.0	ND(15.9)	275.0	18.3 B
Lead		ND(3.0)	ND(1.6)	ND(1.6)	3.6	3.0	ND(4.0)	ND(3.0)	ND(0.6)	2.1 B	4.5	ND(3.0)
Magnesium		12,600	10,800.0	9,180.0	8,390.0 E	9,420.0 E	8,660.0	10,000.0	9,220.0	7,950.0	9,280.0	8,280.0
Mercury		ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)
Potassium		1,810 b	2,940.0 B	1,310.0 B	1,570.0 B	1,950.0 B E	1,460.0	1,320.0 BE	1,170.0 B	1,350.0 B	1,800.0 B	1,170.0 B
Sodium		15,300	15,900.0 E	12,000.0 E	10,700.0 E	12,400.0 E	10,600.0	12,700.0	8,610.0	10,900.0	12,000.0	10,600.0
Leachate Indicators (mg/l)												
Ammonia		ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	0.27	ND(0.20)	1.42	4.30	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			51.9	42.3	33.0	32.0	31.5	30.0	110.0	69.0	38.0	44.0
Chloride		53.2	32.1	18.2	17.3	22.2	19.1	19.5	39.0	21.0	20.0	22.0
Nitrate		ND(1.0)	7.15	6.30	6.30	6.80	7.41	3.26	ND(0.5)	7.20	5.90	6.90
Sulfate		27.3	35.9	29.8	39.5	35.7	36.0	12.6	35.0	37.0	28.0	31.0
Alkalinity		124	51.9	42.3	33.0	32.0	31.5	31.0	110.0	69.0	38.0	44.0
TDS		319	154.0	121.0	152.0	232.0	150.0	130.0	200.0	130.0	140.0	140.0
Hardness		47	144.56	98.8	92.3 E	99.9	88.8	46.0	110.0	85.0	110.0	88.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

EN6-S
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/23/97	9/11/97	4/29/98	9/29/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/20/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	0.8
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.5)	ND(0.3)	2.7	1.2	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	1.0	ND(0.3)	0.6
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN6-S
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/23/97	9/10/97	4/29/98	9/29/98	4/13/99	9/2/99	4/26/00	9/5/00	4/25/01	9/20/01
Aluminum		79.3 b	209.0	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	40.5 B	ND(25.8)	78.7 B	30.4 B	217.0
Arsenic		ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)	ND(2.5)	ND(5.0)
Cadmium		ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	ND(0.4)	ND(3.0)
Calcium		16,900	20,700.0	15,500.0	13,700.0 E	15,800.0	11,700.0	12,200.0	11,300.0	12,700.0	17,400.0	14,100.0
Chromium		16.8	31.6	2.0 B	ND(8.3)	11.8	6.0	6.9 B	8.8 B	2.0 B	430.0	41.3
Iron		245	563.0	ND(22.4)	20.5 B	131.0	296.0	81.3 B	96.8 B	16.4 B	2,100.0	1,280.0
Lead		ND(3.0)	ND(1.6)	ND(1.6)	ND(1.1)	ND(1.5)	ND(4.0)	ND(3.0)	2.0 B	ND(2.0)	ND(2.5)	ND(3.0)
Magnesium		7,700	9,840.0	7,400.0	6,190.0 E	6,960.0 E	5,500.0	5,680.0	5,030.0	5,900.0	8,180.0	6,560.0
Mercury		ND(0.2)	ND(0.06)	0.04 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)
Potassium		1,540 b	3,320.0 B	1,270 B	1,480.0 B	1,680.0 B E	1,370.0	1,170.0 B	1,230.0 B	1,560.0 B	1,840.0 B	1,570.0 B
Sodium		2,130	32,600.0 E	26,200.0 E	23,800.0 E	26,800.0 E	23,000.0	20,200.0	26,200.0	26,900.0	33,400.0	28,100.0
Leachate Indicators (mg/l)												
Ammonia		ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.29	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			15.2	12.9	13.2	17.0	13.5	11.0	16.0	34.0	16.0	24.0
Chloride		62	42.2	44.5	36.1	47.2	36.7	37.2	48.0	49.0	45.0	48.0
Nitrate		7.37	13.00	6.00	5.60	5.80	5.49	3.91	3.70	6.60	6.80	6.90
Sulfate		21.8	31.3	24.9	20.5	21.8	22.0	26.2	22.0	24.0	27.0	25.0
Alkalinity		14	15.2	12.9	13.2	17.0	13.5	12.0	16.0	34.0	16.0	24.0
TDS		174	101.0	139.0	164.0	196.0	92.0	115.0	130.0	150.0	170.0	140.0
Hardness		22	92.09	69.1	59.6 E	68.1	51.4	18.0	49.0	56.0	77.0	62.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

EN6-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/23/97	9/11/97	4/29/98	9/29/98	4/13/99	9/1/99	4/26/00	9/5/00	4/25/01	9/20/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.8 J	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	5.0	9.0	14.0	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	2.0 J	2.0 J	2.1	1.4	2.8	1.8	2.4	2.4
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	7.0	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	4.6	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		12.0	11.0	12.0	12.0	12.0	9.3	13.0	12.0	12.0	14.0	9.1
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN6-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/23/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/26/00	9/5/00	4/25/01	9/20/01
Aluminum		77.7 b	147.0 B	ND(34.8)	283.0	ND(21.3)	ND(200.0)	25.9 B	ND(25.8)	74.7 B	11.3 B	ND(45.7)
Arsenic		ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	3.7 B	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)	ND(2.5)	ND(5.0)
Cadmium		ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	ND(0.4)	ND(3.0)
Calcium		118,000	132,000.0	116,000.0	113,000.0 E	118,000.0	111,000.0	120,000.0	124,000.0	93,600.0	94,300.0	77,400.0
Chromium		ND(1.0)	20. B	ND(1.0)	ND(8.3)	ND(8.2)	ND(5.0)	ND(1.0)	5.2 B	0.78 B	12.7	ND(5.0)
Iron		ND(27.0)	ND(34.0)	23.3 B	736.0 B	118.0	ND(50.0)	ND(21.0)	118.0	ND(15.9)	83.9 B	20.1 B
Lead		ND(3.0)	ND(1.6)	ND(1.6)	1.2 B	2.7 B	ND(4.0)	ND(3.0)	0.87 B	2.6 B	ND(2.5)	ND(3.0)
Magnesium		34,300	39,900.0	35,100.0	30,400.0 E	31,600.0 E	30,500.0	32,400.0	29,300.0	24,600.0	30,800.0	25,600.0
Mercury		ND(0.2)	ND(0.06)	0.04 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)
Potassium		3,780 b	6,900.0	2,890.0 B	3,080.0 B	3,560.0 B E	3,390.0	4,000.0 BE	4,740.0 B	4,000.0 B	4,430.0 B	3,800.0 B
Sodium		66,100	81,100.0 E	83,200.0 E	72,000.0 E	78,700.0 E	76,100.0	66,700.0	78,600.0	74,100.0	83,000.0	72,300.0
Leachate Indicators (mg/l)												
Ammonia		ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.14	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			123.0	128.0	132.0	126.0	144.0	148.0	130.0	160.0	130.0	150.0
Chloride		248	250.0	250.0	649.0	217.0	222.0	198.0	180.0	190.0	140.0	120.0
Nitrate		2.77	2.46	ND(0.04)	1.80	2.00	2.04	1.01	2.90	3.00	2.40	3.60
Sulfate		105	89.0	51.0	105.0	132.0	177.0	204.0	57.0	130.0	100.0	150.0
Alkalinity		123	123.0	128.0	132.0	126.0	144.0	149.0	130.0	160.0	130.0	150.0
TDS		740	745.0	598.0	804.0	800.0	727.0	567.0	530.0	540.0	580.0	460.0
Hardness		150	494.39	434.0	406.0 E	426.0	398.0	225.0	430.0	340.0	360.0	300.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

EN7-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00	4/25/01	9/20/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	3.0	ND(1.0)	3.0 J	4.0 J	ND(1.7)	1.1 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	2.1	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	0.8 J	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	0.5 J	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	1.0 J	1.0 J	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	2.0
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	32.0	32.0	27.0	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.5 J	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		5.2	8.0	9.0	9.0	9.0	6.9	3.5	7.6	5.2	8.0	6.1
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.6)	ND(0.3)	0.8	0.9	0.9
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	14.0	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	4.6	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		14.0	38.0	32.0	35.0	35.0	22.0	28.0	27.0	25.0	33.0	23.0
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	1.1	1.1	1.1	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN7-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00	4/25/01	9/20/01
Aluminum		67.9 b	166.0 B	ND(34.8)	ND(26.8)	32.6 B	ND(200.0)	33.0 B	40.2 B	90.4 B	87.0 B	ND(45.7)
Arsenic		ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)	ND(2.5)	ND(5.0)
Cadmium		ND(1.0)	0.61 B	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	0.46 B	ND(3.0)
Calcium		80,800	88,100.0	89,300.0	87,500.0 E	87,600.0	80,300.0	86,600.0	86,900.0	75,400.0	89,900.0	86,200.0
Chromium		ND(1.0)	3.3 B	ND(1.0)	ND(8.3)	ND(8.2)	ND(5.0)	ND(1.0)	ND(1.3)	ND(0.7)	7.2 B	ND(5.0)
Iron		ND(27.0)	263.0	117.0	35.5 B	13.6 B	ND(50.0)	ND(21.0)	49.2 B	ND(15.9)	103.0	ND(7.0)
Lead		3.8	ND(1.6)	ND(1.6)	ND(1.1)	1.6 B	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)	ND(2.5)	ND(3.0)
Magnesium		30,400	36,300.0	36,800.0	33,200.0 E	33,800.0 E	33,100.0	35,600.0	36,400.0	31,100.0	38,000.0	36,000.0
Mercury		ND(0.2)	ND(0.06)	0.11 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	0.32
Potassium		4,540 b	7,260.0	3,130.0 B	3,280.0 B	3,880.0 B E	3,710.0	4,750.0 BE	5,590.0	5,330.0	5,940.0	4,900.0 B
Sodium		110,000	135,000.0 E	168,000.0 E	150,000.0 E	164,000.0 E	192,000.0	183,000.0	252,000.0	247,000.0	287,000.0	252,000.0
Leachate Indicators (mg/l)												
Ammonia		2.52	ND(0.25)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.10)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			84.9	86.7	99.0	109.0	140.0	150.0	180.0	200.0	190.0	220.0
Chloride		239	254.0	253.0	264.0	253.0	273.0	278.0	290.0	270.0	270.0	260.0
Nitrate		5	5.15	2.88	2.70	2.40	1.89	0.603	1.000	0.700	ND(0.5)	0.990
Sulfate		236	229.0	97.9	225.0	221.0	245.0	351.0	210.0	200.0	160.0	230.0
Alkalinity		62	84.9	86.7	99.0	109.0	140.0	151.0	180.0	200.0	190.0	220.0
TDS		856	1,020.0	6,990.0	860.0	956.0	953.0	729.0	740.0	750.0	930.0	780.0
Hardness		111	369.03	374.0	355.0 E	358.0	334.0	226.0	670.0	320.0	380.0	360.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

EN9-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00	4/25/01	9/20/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	4.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN9-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/13/99	9/1/99	4/25/00	9/5/00	4/25/01	9/20/01
Aluminum		37.8 b	227.0	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	35.8 B	31.2 B	77.8 B	83.9 B	ND(45.7)
Arsenic		ND(9.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)	ND(2.5)	ND(5.0)
Cadmium		ND(1.0)	0.61 B	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	0.46 B	ND(3.0)
Calcium		26,600	24,900.0	19,800.0	17,400.0 E	23,900.0 E	26,800.0	28,200.0	19,300.0	24,100.0	30,400.0	20,900.0
Chromium		ND(1.0)	3.6 B	ND(1.0)	ND(8.3)	17.0	ND(5.0)	ND(1.0)	1.3 B	ND(0.7)	2.1 B	ND(5.0)
Iron		ND(27.0)	109.0	ND(22.4)	27.1 B	129.0	ND(50.0)	ND(21.0)	ND(30.9)	ND(15.9)	135.0	ND(7.0)
Lead		ND(3.0)	2.1 B	ND(1.6)	ND(1.1)	ND(1.5)	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)	4.7	ND(3.0)
Magnesium		12,500	12,000.0	9,600.0	8,180.0 E	10,700.0 E	12,100.0	12,600.0	8,640.0	10,700.0	13,800.0	9,420.0
Mercury		ND(0.2)	ND(0.06)	ND(0.04)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	0.27
Potassium		1,920 b	3,290.0 BE	1,260.0 B	1,350.0 B	1,930.0 B E	2,010.0	2,100.0 BE	1,360.0 B	2,000.0 B	2,450.0	1,700.0 B
Sodium		23,100	23,400.0	16,200.0 E	20,100.0 E	27,500.0 E	33,000.0	36,700.0	16,700.0	33,200.0	44,500.0	30,100.0
Leachate Indicators (mg/l)												
Ammonia		ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.43	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			29.9	29.6	35.2	36.2	32.5	4.0	30.0	58.0	30.0	45.0
Chloride		727	65.8	50.8	112.0	83.8	110.0	108.0	58.0	97.0	120.0	80.0
Nitrate		1.42	0.96	0.71	0.90	0.91	0.89	0.42	0.89	0.86	0.93	1.00
Sulfate		186	14.2	16.4	14.0	16.6	15.6	24.4	17.0	19.0	14.0	17.0
Alkalinity		28	29.9	29.6	35.2	36.2	32.5	4.2	30.0	58.0	30.0	45.0
TDS		203	95.0	140.0	238.0	256.0	225.0	209.0	140.0	210.0	280.0	190.0
Hardness		39	111.34	88.8	77.1 E	103.0	116.0	63.0	84.0	100.0	130.0	91.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

EN10-M
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	11/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	4.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	0.7
1,1-Dichloroethane		ND(5.0)	3.0	4.0	4.0 J	3.0 J	ND(1.4)	1.1	ND(0.2)	2.0	ND(0.2)	1.9
* 1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	1.0 J	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	0.8
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	4.0	5.0	5.0 J	5.0	3.0	1.9	4.1	5.3	4.7	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	1.0 J	ND(0.6)	ND(0.3)	ND(0.4)	0.4	ND(0.4)	0.6
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(5.0)	0.5 J	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

EN10-M
Historical Analysis of Metals and Leachate Indicators
East Northport Landfill, East Northport, NY

Metals (ug/l)	Sampling Date	11/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Aluminum		232	163.0 B	ND(34.8)	ND(26.8)	ND(21.3)	ND(200.0)	30.1 B	ND(25.8)	104.0 B	64.3 B	ND(45.7)
Arsenic		ND(8.0)	ND(4.5)	ND(2.7)	ND(2.0)	ND(1.5)	ND(4.0)	ND(6.0)	ND(3.0)	ND(3.8)	ND(2.5)	ND(5.0)
Cadmium		ND(1.0)	ND(0.50)	ND(0.50)	ND(5.2)	ND(4.7)	ND(5.0)	ND(1.0)	ND(0.5)	ND(0.4)	ND(0.4)	ND(3.0)
Calcium		29,800	27,100.0	25,100.0	21,100.0 E	23,400.0	20,500.0	22,400.0	21,800.0	20,600.0	22,200.0	21,500.0
Chromium		1.1 b	4.0 B	2.8 B	ND(8.3)	12.8	6.0	24.2	6.0 B	2.6 B	2.6 B	ND(5.0)
Iron		310	249.0	ND(22.4)	25.0 B	11.8 B	114.0	319.0	ND(30.9)	ND(15.9)	109.0	16.4 B
Lead		ND(2.0)	ND(1.6)	ND(1.6)	ND(1.1)	ND(1.5)	ND(4.0)	ND(3.0)	ND(0.6)	ND(2.0)	ND(2.5)	ND(3.0)
Magnesium		9,620	10,400.0	9,640.0	8,720.0 E	8,670.0 E	7,840.0	8,490.0	8,090.0	7,650.0	8,460.0	8,120.0
Mercury		ND(0.2)	ND(0.06)	0.04 B	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.1)	ND(0.1)	ND(0.2)	ND(0.2)
Potassium		1,570.0 b	2,440.0 BE	1,100.0 B	1,440.0 B	1,640.0 B E	1,300.0	1,190.0 BE	1,100.0 B	1,330.0 B	1,280.0 B	1,110.0 B
Sodium		14,400	14,700.0	13,800.0 E	17,400.0 E	15,400.0 E	12,800.0	14,500.0	10,500.0	13,500.0	14,000.0	13,500.0
Leachate Indicators (mg/l)												
Ammonia		1.12	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	1.43	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			19.6	18.3	19.8	21.3	20.5	16.0	22.0	35.0	19.0	28.0
Chloride		21.3	19.6	21.7	23.5	22.2	23.0	23.0	21.0	23.0	23.0	25.0
Nitrate		10.1	8.40	7.50	7.80	8.20	8.44	3.50	8.10	8.30	7.00	8.20
Sulfate		44	55.5	19.9	40.0	44.3	39.2	56.1	40.0	46.0	38.0	40.0
Alkalinity		27	19.6	18.3	19.8	21.3	20.5	17.0	22.0	35.0	19.0	28.0
TDS		167	184.0	143.0	138.0	28.0	168.0	133.0	140.0	130.0	90.0	130.0
Hardness		110	110.28	102.0	88.6 E	94.1	82.7	25.5	88.0	83.0	90.0	87.0

Note:

ND(): Compound not detected at method detection limit

B: Reported value less than contract required detection limit but greater than or equal to instrument detection limit

E: Reported value is estimated because of the presence of interference

b: Found in field blank

SW-1
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	6.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	1.2	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	4.0	3.0 J	3.0	1.8	3.7	3.3	2.9	3.9	3.7
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-1
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Ammonia		ND(1.0)	ND(0.05)	0.14	ND(0.2)	0.13	ND(0.20)	ND(0.20)	ND(0.2)	0.28	ND(0.2)	ND(0.2)
Bicarbonate			25.2	28.2	24.2	29.8	27.5	27.5	32.0	38.0	24.0	29.0
Chloride		49.6	38.2	35.1	30.3	30.0	38.5	33.7	40.0	40.0	47.0	44.0
Nitrate		1.7	1.99	1.48	1.70	1.50	1.92	0.789	1.6	1.5	ND(0.5)	1.6
Sulfate		21.8	16.0	18.5	17.0	19.9	20.3	27.1	20.0	21.0	21.0	22.0
Alkalinity		25	25.2	28.2	24.2	29.8	27.5	34.0	32.0	38.0	24.0	29.0
TDS		145	588.0	110.0	172.0	94.0	137.0	111.0	110.0	120.0	140.0	120.0
Hardness		23	63.07	61.6	64.8 E	56.5	55.9	51.0	57.0	60.0	75.0	37.0

Note:

ND(): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-2
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	6.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	0.8 J	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	3.0	3.0 J	4.0 J	3.2	1.8	4.2	3.0	4.8	6.9
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-2

Historical Analysis of Leachate Indicators East Northport Landfill, East Northport, NY *Reported in Milligrams per Liter*

Leachate Indicators	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Ammonia		1.4	ND(0.05)	0.13	ND(0.2)	0.15	ND(0.20)	ND(0.20)	0.23	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			41.1	44.5	41.8	49.0	44.0	44.0	23.0	50.0	40.0	49.0
Chloride		47.9	48.5	15.1	41.1	42.4	62.6	40.8	44.0	46.0	71.0	56.0
Nitrate		1.26	1.84	1.12	1.40	1.20	1.67	0.279	1.2	1.2	1.1	1.4
Sulfate		30	25.0	25.5	31.5	30.8	27.8	28.0	22.0	30.0	38.0	37.0
Alkalinity		37	41.1	44.5	41.8	49.0	44.0	43.0	23.0	50.0	40.0	49.0
TDS		174	145.0	128.0	140.0	156.0	207.0	129.0	130.0	150.0	170.0	180.0
Hardness		30	92.02	92.8	82.6 E	99.0	93.7	64.0	70.0	89.0	110.0	61.0

Note:

ND(): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-3

Historical Analysis of Volatile Organic Compounds East Northport Landfill, East Northport, NY Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	6.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.5)	ND(0.3)	0.5	0.5	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	1.0 J	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	3.0	6.0	3.0	2.4	3.6	4.5	3.3	4.7	3.4
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-3
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Ammonia		ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	0.1	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			21.0	15.3	17.6	21.3	20.5	20.5	21.0	25.0	20.0	23.0
Chloride		21.3	20.5	21.1	21.6	25.0	32.4	24.8	35.0	30.0	35.0	31.0
Nitrate		4.01	3.25	5.25	2.90	3.20	3.34	1.37	3.1	3.4	3.0	3.1
Sulfate		18.2	16.0	17.4	16.0	18.7	18.6	24.4	20.0	21.0	20.0	21.0
Alkalinity		17	21.0	15.3	17.6	21.3	20.5	19.0	21.0	25.0	20.0	23.0
TDS		102	117.0	90.0	106.0	152.0	113.0	89.0	100.0	100.0	150.0	100.0
Hardness		19	58.82	57.6	64.5 E	59.7	58.2	28.0	43.0	58.0	66.0	34.0

Note:

ND(): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-4
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	6.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	3.0	4.0	3.0 J	2.0 J	1.7	3.2	3.9	2.6	4.1	3.4
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates an estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-4
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Ammonia		ND(1.0)	ND(0.05)	0.11	ND(0.2)	0.2	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			34.4	30.2	28.6	25.6	27.5	27.5	32.0	31.0	28.0	31.0
Chloride		35.4	42.4	34.7	30.3	31.8	39.2	38.9	39.0	40.0	47.0	46.0
Nitrate		3.73	1.79	3.80	1.60	1.80	1.88	0.652	1.6	1.4	1.6	1.7
Sulfate		19.1	15.1	18.5	16.0	23.5	18.2	27.1	18.0	22.0	19.0	22.0
Alkalinity		18	34.4	30.2	28.6	25.6	27.5	27.0	32.0	31.0	28.0	31.0
TDS		131	141.0	113.0	74.0	110.0	133.0	109.0	110.0	120.0	100.0	130.0
Hardness		18	65.67	62.5	42.5 E	62.9	57.1	40.5	56.0	67.0	77.0	38.0

Note:

ND(): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-5
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	5.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	2.0 J	1.0 J	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	0.7 J	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		5.7	ND(3.0)	ND(3.0)	3.0 J	2.0 J	1.0	2.5	2.7	1.6	3.0	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-5
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Ammonia		ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			44.7	36.4	37.4	40.5	40.0	40.0	49.0	45.0	52.0	39.0
Chloride		105	3,500.0	88.9	95.1	75.2	77.5	81.5	86.0	86.0	92.0	97.0
Nitrate		4.59	1.86	3.26	ND(0.2)	3.50	3.92	1.43	3.4	3.5	2.9	4.0
Sulfate		41.8	482.0	38.9	32.5	30.8	29.0	65.3	37.0	32.0	47.0	29.0
Alkalinity		38	44.7	36.4	37.4	40.5	40.0	43.0	49.0	45.0	52.0	39.0
TDS		319	71.0	228.0	278.0	254.0	205.0	202.0	220.0	230.0	200.0	240.0
Hardness		46	1,186.07	131.0	112.0 E	125.0	114.0	65.0	130.0	130.0	150.0	74.0

Note:

ND(): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-6
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	5.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	1.0 J	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-6
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Ammonia		ND(1.0)	ND(0.05)	ND(0.05)	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.20)	0.22	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			35.6	45.5	39.6	55.4	41.0	41.0	33.0	47.0	39.0	44.0
Chloride		144	94.7	42.2	38.9	38.6	98.1	23.0	77.0	29.0	150.0	44.0
Nitrate		ND(1.0)	1.07	0.31	ND(0.2)	0.49	1.05	ND(0.05)	ND(0.5)	ND(0.5)	ND(0.5)	1.6
Sulfate		14.6	16.9	14.8	14.5	18.7	18.6	15.4	9.2	13.0	19.0	16.0
Alkalinity		45	35.6	45.5	39.6	55.4	41.0	29.0	33.0	47.0	39.0	44.0
TDS		363	239.0	130.0	104.0	162.0	252.0	75.0	150.0	100.0	220.0	130.0
Hardness		40	71.02	65.3	65.8 E	76.1	65.7	44.0	49.0	57.0	85.0	34.0

Note:

ND(): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

SW-7
Historical Analysis of Volatile Organic Compounds
East Northport Landfill, East Northport, NY
Reported in Micrograms per Liter

Parameter	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Chloromethane		ND(10.0)	ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(4.6)	ND(2.3)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromomethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(3.8)	ND(1.8)	ND(0.6)	ND(0.6)	ND(0.6)	ND(0.6)
Vinyl Chloride		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.7)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane		ND(10.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(10.0)	ND(1.8)	ND(1.6)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.7)
Methylene Chloride		ND(5.0)	4.0	ND(3.0)	ND(5.0)	ND(5.0)	ND(2.7)	ND(0.6)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Trichlorofluoromethane			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(1.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.2)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,1-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.4)	ND(0.7)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
*1,2-Dichloroethene, Total			ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.7)	ND(1.0)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloroform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.9)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,1-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Carbon Tetrachloride		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.4)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Bromodichloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloropropane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.8)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
cis-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.3)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Benzene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Dibromochloromethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
trans-1,3-Dichloropropene		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,1,2-Trichloroethane		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(0.9)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
2-Chloroethylvinyl Ether			ND(4.0)	ND(4.0)	ND(10.0)	ND(10.0)	ND(0.6)	ND(1.5)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Bromoform		ND(5.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.7)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,1,2,2-Tetrachloroethane		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.5)	ND(1.0)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Tetrachloroethene		ND(5.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(0.7)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Toluene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.8)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Chlorobenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.6)	ND(0.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene		ND(5.0)	ND(2.0)	ND(2.0)	ND(5.0)	ND(5.0)	ND(0.7)	ND(0.5)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,2-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(1.5)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
1,3-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.7)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,4-Dichlorobenzene			ND(2.0)	ND(2.0)	ND(10.0)	ND(10.0)	ND(0.5)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)

Note:

ND(): Compound not detected at method detection limit

*1,2-Dichloroethene, Total: Sum of Trans and Cis 1,2-Dichloroethene

J: Indicates and estimated value; compound is present at a concentration less than specified detection limit

Bold indicates value above NYSDEC Class GA Standard

SW-7
Historical Analysis of Leachate Indicators
East Northport Landfill, East Northport, NY
Reported in Milligrams per Liter

Leachate Indicators	Sampling Date	6/96	4/22/97	9/10/97	4/29/98	9/29/98	4/14/99	9/1/99	4/25/00	9/7/00	4/24/01	9/19/01
Ammonia		ND(1.0)	ND(0.05)	0.07	ND(0.2)	ND(0.1)	ND(0.20)	ND(0.20)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Bicarbonate			48.4	66.0	50.6	61.8	48.0	48.0	45.0	55.0	44.0	54.0
Chloride		4,316	4,470.0	2,750.0	3,810.0	3,620.0	3,080.0	5,835.0	1,500.0	3,300.0	1,800.0	2,600.0
Nitrate		5	0.62	0.32	0.44	0.30	0.67	ND(0.05)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
Sulfate		705	808.0	248.0	530.0	447.0	416.0	953.0	28.0	270.0	240.0	370.0
Alkalinity		56	48.4	66.0	50.6	61.8	48.0	61.0	45.0	55.0	44.0	54.0
TDS		8,840	3,260.0	5,890.0	226.0	274.0	5,450.0	8,860.0	2,400.0	5,300.0	2,700.0	3,600.0
Hardness		341	1,435.54	1,848.0	1,200.0 E	1,050.0	934.0	92.0	510.0	1,200.0	530.0	140.0

Note:

ND(): Compound not detected at method detection limit

E: Reported value is estimated because of the presence of interference

APPENDIX I

"Sample Data Summary Package"

**DATA PACKAGE FOR
RESULTS SUMMARY****PROJECT NAME: TOH/ENL****R&C FORMATION, LTD.
30 BROADWAY, SUITE #6
MASSAPEQUA, NY 11758
516-797-7330****CHEMTECH PROJECT #
ATTENTION****N5989
BOB CASSON**

CASE NARRATIVE

R&C Formation LTD.

Project Name: TOH/ENL

Chemtech Project # N5989

A. Number of Samples and Date of Receipt

11 Aqueous samples, Trip Blank, Field Blank plus a MS/MSD were delivered to the laboratory intact on 09/26/01.

B. Parameters

Tests requested on the Chain of Custody were Volatile Organics, Metals & General Chemistry. This data package contains results for Metals.

C. Analytical Techniques

The samples were analyzed for Metals according to CLP Methodology and Mercury by Method 245.1.

D. QA/ QC Samples

A Method Blank, Spike and Duplicate sample were digested and analyzed along with the samples.

Calibrations met requirements. Blank analyses did not indicate the presence of contamination. Interference Check Sample and Laboratory Control Sample recoveries were within QC limits. Spike Sample recovery met requirements. Duplicate recoveries and RPDs met QC requirements. Serial Dilution met requirements except for the Potassium and Sodium.

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

Signature Mildred V. Reyes Name Mildred V. Reyes

Date 10/17/01 Title QA/QC

CASE NARRATIVE

R&C Formation LTD.
Project Name: TOH/ENL
Chemtech Project # N5989

A. Number of Samples and Date of Receipt

11 Aqueous samples, Trip Blank, Field Blank plus a MS/MSD were delivered to the laboratory intact on 09/26/01.

B. Parameters

Tests requested on the Chain of Custody were Volatile Organics, Metals & General Chemistry. This data package contains results for Volatile Organics.

C. Analytical Techniques:

Samples were analyzed for Volatile Organics according to Method 624. The analyses were performed on instruments MSVOA G, using GC column DB624 which is 75 meters, 0.53mm ID, 3.0mm df (crossbond 6% cyanopropylphenyl-94%) dimethylpolysiloxane. The Purge Trap was supplied by Supelco, VO CARB 3000, Tekmar 3000.

D. QA/ QC Samples:

System Monitoring Compound recoveries met requirements. MS/MSD recoveries and RPDs met requirements. Blank Spike recoveries met requirements. Tuning Checks met requirements. Internal Standard Areas and Retention Times met criteria. Calibrations met requirements. Blank analyses did not indicate the presence of contamination.

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

Signature Mildred V. Reyes

Name: Mildred V. Reyes

Date: 10/18/01

Title: QA/QC

CASE NARRATIVE

R&C Formation LTD.

Project Name: TOH/ENL

Chemtech Project # N5989

A. Number of Samples and Date of Receipt

11 Aqueous samples, Trip Blank, Field Blank plus a MS/MSD were delivered to the laboratory intact on 09/26/01.

B. Parameters

Tests requested on the Chain of Custody were Volatile Organics, Metals & General Chemistry. This Case Narrative reviews results for General Chemistry.

C. Analytical Techniques

The analysis of Alkalinity AS CaCO_3 was analyzed according to Method 310.1, Chloride by Method 325.3, Bicarbonate by Method 310.1, Hardness AS CaCO_3 by Method SM2340B, Nitrogen, Ammonia by Method 350.1, Nitrogen. Nitrate by Method 353.2, Total Dissolved Solids by Method 160.1 and Sulfate by Method 375.4.

D. QA/ QC Samples

A Method Blank, Spike and Duplicate sample were analyzed along with the samples.

Blank analysis did not indicate the presence of contamination. Holding Times were met.

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

Signature Mildred V. Reyes

Name: Mildred V. Reyes

Date: 10/17/01

Title: QA/QC

CASE NARRATIVE

R&C Formation LTD.
Project Name: TOH/ENL
Chemtech Project # N5946

A. Number of Samples and Date of Receipt

8 Aqueous samples, 1 Trip Blank plus a MS/MSD were delivered to the laboratory intact on 09/21/01.

B. Parameters

Tests requested on the Chain of Custody were Volatile Organics & General Chemistry. This data package contains results for Volatile Organics.

C. Analytical Techniques:

Samples were analyzed for Volatile Organics according to Method 624. The analyses were performed on instruments MSVOA G, using GC column DB624 which is 75 meters, 0.53mm ID, 3.0mm df (crossbond 6% cyanopropylphenyl-94%), dimethylpolysiloxane. The Purge Trap was supplied by Supelco, VO CARB 3000, Tekmar 3000.

D. QA/ QC Samples:

System Monitoring Compound recoveries met requirements. MS/MSD recoveries and RPDs met requirements. Blank Spike recoveries met requirements. Holding Times were met. Tuning Checks met requirements. Internal Standard Areas and Retention Times met criteria. Calibrations met requirements. Blank analyses did not indicate the presence of contamination.

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

Signature Mildred V. Reyes

Name: Mildred V. Reyes

Date: 10/11/01

Title: QA/QC

CASE NARRATIVE

R&C Formation LTD.

Project Name: TOH/ENL

Chemtech Project # N5946

A. Number of Samples and Date of Receipt

8 Aqueous samples, 1 Trip Blank plus a MS/MSD were delivered to the laboratory intact on 09/21/01.

B. Parameters

Tests requested on the Chain of Custody were Volatile Organics & General Chemistry. This Case Narrative reviews results for General Chemistry.

C. Analytical Techniques

The analysis of Nitrogen, Nitrate is based on Method 353.2, Sulfate by Method 375.4, Chloride by Method 325.3, Nitrogen, Ammonia by Method 350.1, Alkalinity as CaCO₃ by Method 310.1, Bicarbonate by Method 310.1, Total Dissolved Solids by Method 160.1 and Hardness by Method SM2340B.

D. QA/ QC Samples

A Method Blank, Spike and Duplicate sample were analyzed along with the samples.

Blank analysis did not indicate the presence of contamination. Holding Times were met.

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

Signature Mildred V. Reyes

Name: Mildred V. Reyes

Date: 10/11/01

Title: QA/QC



CHAIN OF CUSTODY RECORD

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

CHEMTECH JOB NO.:

15989158

CHEMTECH QUOTE NO.:

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: JEC Formation, LTD.

ADDRESS: 30 BROADWAY, SUITE 6

CITY: MASSAQUON STATE: NJ ZIP: 11758

ATTENTION: BOB CASSON

PHONE: 576 747-7330

FAX: 576 747-7339

PROJECT INFORMATION

PROJECT NAME: TOIT/ENL

PROJECT NO.:

PROJECT MANAGER: BOB CASSON

LOCATION:

PHONE:

FAX:

BILLING INFORMATION

BILL TO: ←

PO #:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *

* TO BE APPROVED BY CHEMTECH

** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ NY STATE CATEGORY A
☐ RESULTS PLUS QC ☐ NY STATE CATEGORY B
☐ REGULATORY FORMAT, STATE:
☐ NEW JERSEY REDUCED DELIVERABLES
☐ CLP
☐ EDD FORMAT: _____

1 TCE VOLS (EPA 624)
2 METALS *
3 LEAD/ATE IND **

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1. 01	CW1-S	AQ			9/19/01		6	/	/	/							
2. 02	CW1-M	"			"		6	/	/	/							
3. 03	CW4-S	"			"		"	/	/	/							
4. 04	CW4-M	"			"		"	/	/	/							
5. 05	EN1-M	"			9/20/01		"	/	/	/							
6. 06	EN6-S	"			"		"	/	/	/							
7. 07	EN6-M	"			"		"	/	/	/							
8. 08	EN7-M	"			"		"	/	/	/							

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

RELINQUISHED BY SAMPLER

1. [Signature]

RELINQUISHED BY:

2. OPS

RELINQUISHED BY:

3. [Signature]

DATE/TIME:

9/20/01/1600

DATE/TIME:

9/26/01

DATE/TIME:

RECEIVED BY:

1. UPS

RECEIVED BY:

2. [Signature]

RECEIVED FOR LAB BY:

3.

Conditions of bottles or coolers at receipt:

☐ Compliant☐ Non-Compliant☒ Temp. of Cooler 50C

Comments: * AL, AS, Pb, Mg, CR, Cd, CA, Fe, Hg, K, Na

** ALK/BICARB, AMMONIA, NITRATE, CHLORIDE, TDS, HARDNESS, SULFATE

Page 1 of 2

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

Shipment Complete:
☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH JOB NO.:

15989ASP

CHEMTECH QUOTE NO.:

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: 1/4 C Formation, LTD.

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: BOB CARSON

PHONE:

FAX:

PROJECT INFORMATION

PROJECT NAME: TOIT/FNL

PROJECT NO.:

PROJECT MANAGER:

LOCATION:

PHONE:

FAX:

BILLING INFORMATION

BILL TO: ←

PO #:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *

* TO BE APPROVED BY CHEMTECH

** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ NY STATE CATEGORY A
☐ RESULTS PLUS QC ☐ NY STATE CATEGORY B
☐ REGULATORY FORMAT, STATE:
☐ NEW JERSEY REDUCED DELIVERABLES
☐ CLP
☐ EDD FORMAT: _____

1 TCL VINS (EPA 624)
2 METALS
3 LEAD ANTE IN D.
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1. <u>09</u>	<u>EN 9-M</u>				<u>9/20/01</u>		<u>6</u>	✓	✓	✓							
2. <u>10</u>	<u>EN 10-M</u>				<u>9/19/01</u>		<u>11</u>	✓	✓	✓							
3. <u>11</u>	<u>EN 7-M (ms)</u>				<u>9/20/01</u>		<u>11</u>	✓	✓	✓							
4. <u>12</u>	<u>EN-7 M (ms SD)</u>				<u>9/20/01</u>		<u>11</u>	✓	✓	✓							
5. <u>13</u>	<u>GW-B</u>				<u>9/19/01</u>		<u>11</u>	✓	✓	✓							
6. <u>14</u>	<u>FB-920</u>				<u>9/20/01</u>		<u>2</u>	✓									
7. <u>15</u>	<u>TR-GW</u>				<u>9/20/01</u>		<u>2</u>	✓									
8.																	

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

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY:

DATE/TIME:

RECEIVED FOR LAB BY:

Conditions of bottles or coolers at receipt:

☐ Compliant☐ Non-Compliant☒ Temp. of Cooler 5-8°C

Comments:

Page 2 of 2SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHTShipment Complete:
☐ YES ☐ NO



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

CHEMTECH JOB NO.:

NS946A58

CHEMTECH QUOTE NO.:

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION			PROJECT INFORMATION			BILLING INFORMATION																			
REPORT TO BE SENT TO:			PROJECT NAME: TOA/ENL			BILL TO: ← PO #:																			
COMPANY: R.E.C. FORMATION, LTD.			PROJECT NO.:			ADDRESS:																			
ADDRESS: 30 BROADWAY, SUITE 6			PROJECT MANAGER: BOB CARSON			CITY: STATE: ZIP:																			
CITY: MASSAPEQUA STATE: NY ZIP: 11758			LOCATION:			ATTENTION: PHONE:																			
ATTENTION: BOB CARSON			PHONE: FAX:			ANALYSIS																			
516 797-7330 516 797-7339																									
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION																						
FAX: DAYS *			☐ RESULTS ONLY ☐ NY STATE CATEGORY A			1 TCL VONS (EPA 624) 2 LEACHATE IND. * 3 4 5 6 7 8 9																			
HARD COPY: DAYS *			☐ RESULTS PLUS QC ☒ NY STATE CATEGORY B																						
EDD: DAYS *			☐ REGULATORY FORMAT, STATE:																						
* TO BE APPROVED BY CHEMTECH			☐ NEW JERSEY REDUCED DELIVERABLES																						
** NORMAL TURNAROUND TIME - 14 DAYS			☐ CLP																						
			☐ EDD FORMAT:																						
CHEMTECH SAMPLE ID			PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS						
						COMP	GRAB	DATE	TIME											← Specify Preservatives A - HCl B - HNO ₃ C - H ₂ SO ₄ D - NaOH E - ICE F - Other					
1. 01 SW-1					Aq			9/19/01		5	1	1													
2. 02 SW-2					"			"		5	1	1													
3. 03 SW-3					"			"		5	1	1													
4. 04 SW-4					"			"		5	1	1													
5. 05 SW-5					"			"		5	1	1													
6. 06 SW-6					"			"		5	1	1													
7. 07 SW-7					"			"		5	1	1													
8. 08 SW-B					"			"		5	1	1													
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																									
RELINQUISHED BY: 1. [Signature]					DATE/TIME: 9/20/01 1:00					RECEIVED BY: 1. VPS					Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non-Compliant ☒ Temp. of Cooler 50										
RELINQUISHED BY: 2. [Signature]					DATE/TIME: 9/20/01 1:20					RECEIVED BY: 2. Sunnyfield					Comments: * ALK/BICARB, AMMONIA, NITRATE, CHLORIDE, TDS, HARDNESS, SULFATE										
RELINQUISHED BY: 3. [Signature]					DATE/TIME:					RECEIVED FOR LAB BY:					Page 1 of 2										
SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT										Shipment Complete: ☐ YES ☐ NO															



CHAIN OF CUSTODY RECORD

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

CHEMTECH JOB NO.:

CHEMTECH QUOTE NO.:

15946 A88

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: PFC FORMATION, LTD

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: BOB CARSON

PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: TO12/ENL

PROJECT NO.:

PROJECT MANAGER: BOB CARSON

LOCATION:

PHONE: FAX:

BILLING INFORMATION

BILL TO: PO #:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: DAYS *
EDD: DAYS *

* TO BE APPROVED BY CHEMTECH

** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ NY STATE CATEGORY A
☐ RESULTS PLUS QC ☒ NY STATE CATEGORY B
☐ REGULATORY FORMAT, STATE: _____
☐ NEW JERSEY REDUCED DELIVERABLES
☐ CLP
☐ EDD FORMAT: _____

1 TCL VOCs (PPH 62A)
2 LEAD/PATE IND
3
4
5
6
7
8
9

CHEMTECH
SAMPLE
IDPROJECT
- SAMPLE IDENTIFICATIONSAMPLE
MATRIXSAMPLE
TYPE
COMP GRABSAMPLE
COLLECTION
DATE TIME

OF BOTTLES

PRESERVATIVES

COMMENTS

← Specify Preservatives
A - HCl B - HNO₃
C - H₂SO₄ D - NaOH
E - ICE F - Other

1	2	3	4	5	6	7	8	9
1. <u>07</u>	<u>SW-3 (ms)</u>	<u>10a</u>		<u>9/12/01</u>	<u>5</u>	☒	☒	
2. <u>10</u>	<u>SW-3 (MSD)</u>	<u>"</u>		<u>"</u>	<u>5</u>	☒	☒	
3. <u>11</u>	<u>TB-SW</u>	<u>"</u>		<u>"</u>	<u>5</u>	☒	☒	
4.								
5.								
6.								
7.								
8.								

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

RELINQUISHED BY: 1. [Signature]DATE/TIME: 9/10/01 1600

RECEIVED BY:

1. UPSRELINQUISHED BY: 2. [Signature]DATE/TIME: 9/12/01 19:20

RECEIVED BY:

2. [Signature]RELINQUISHED BY: 3. [Signature]

DATE/TIME:

RECEIVED FOR LAB USE:

3.

Conditions of bottles or coolers at receipt:

☐ Compliant ☐ Non-Compliant ☒ Temp. of Cooler 5.0C

Comments:

Page 2 of 2SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHTShipment Complete:
☐ YES ☐ NO

COVER PAGE

Order N5989

ProjectID: TOWN OF HUNTINGTON

CustomerName R&C Formation Ltd.

LAB SAMPLE NO.	CLIENT SAMPLE NO
N5989-13	GW-B
N5989-14	FB-920
N5989-15	TB-GW
N5989-10	EN10-M
N5989-11	EN7-M(MS)
N5989-12	EN7-M(MSD)
N5989-07	EN6-M
N5989-08	EN7-M
N5989-09	EN9-M
N5989-04	CW4-M
N5989-05	EN1-M
N5989-06	EN6-S
N5989-01	CW1-S
N5989-02	CW1-M
N5989-03	CW4-S

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

Signature: Miguel V. Reyes Name: Miguel V. Reyes
Date: 10/18/01 Title: QA / QC

COVER PAGE

Order N5946

ProjectID: TOWN OF HUNTINGTON

CustomerName R&C Formation Ltd.

LAB SAMPLE NO.

N5946-10

N5946-11

N5946-07

N5946-08

N5946-09

N5946-04

N5946-05

N5946-06

N5946-01

N5946-02

N5946-03

CLIENT SAMPLE NO

SW-3MSD

TB-SW

SW-7

SW-13

SW-3MS

SW-4

SW-5

SW-6

SW-1

SW-2

SW-3

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

Signature: Mildred V. Reyes Name: Mildred V. ReyesDate: 10/11/01 Title: QA/QC

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

- B If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- U If the analyte was analyzed for, but not detected.
- E The reported value is estimated because of the presence of interference
- M Duplicate injection precision not met.
- N Spiked sample recovery not within control limits.
- S The reported value was determined by the Method of Standard Addition (MSA).
- W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while absorbance is less than 50% of spike absorbance.
- * Duplicate analysis not within control limits.
- + Correlation coefficient for the MSA is less than 0.995.
- *** Entering "S", "W" or "+" is mutually exclusive. NO combination of these qualifiers can appear in the same field for an analyte.
- M Method qualifiers
"P" for ICP instrument
"A" for Flame AA
"PM" for ICP when Microwave Digestion is used
"AM" for flame AA when Microwave Digestion is used
"FM" for furnace AA when Microwave Digestion is used
"CV" for Manual Cold Vapor AA
"AV" for automated Cold Vapor AA
"CA" for MIDI-Distillation Spectrophotometric
"AS" for Semi -Automated Spectrophotometric
"C" for Manual Spectrophotometric
"T" for Titrimetric
"NR" for analyte not required to be analyzed

CHEMTECH

VOLATILES

DATA

CHEMTECH

VOLATILES
QC
DATA

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF HUNTINGTON

Location: LB17014 Group: 5971-VOA

	SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER #	TOT OUT
01	VBLK01	100	103	103		
02	FB-920	104	101	102		
03	TB-GW	103	101	100		
04	CW1-S	100	99	101		
05	CW1-M	102	100	98		
06	CW4-S	102	100	103		
07	CW4-M	103	99	102		
08	EN1-M	107	102	104		
09	EN6-S	107	102	104		
10	EN6-M	108	104	103		
11	EN7-M	106	101	100		
12	EN9-M	109	97	103		
13	EN10-M	104	102	103		
14	GW-B	108	104	101		
15	EN7-MMS	110	99	102		
16	EN7-MMSD	106	104	102		
17	BLKSPK	104	101	102		
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

SMC1 (DCE) = 1,2-Dichloroethane-d4
 SMC2 (TOL) = Toluene-d8
 SMC3 (BFB) = 4-Bromofluorobenzene

QC LIMITS
 (68-135)
 (79-120)
 (77-130)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No. N5989Site: TOWN OF Location: LB17014Group: 5971-VOAMatrix Spike - Sample No.: EN7-M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Chloromethane	20	0	17	85	(1-273)
Vinyl Chloride	20	0	25	125	(1-251)
Bromomethane	20	0	31	155	(1-242)
Chloroethane	20	0	22	110	(14-230)
1,1-Dichloroethene	20	0	20	100	(1-234)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Chloromethane	20	15	75	13	200 (1-273)
Vinyl Chloride	20	21	105	17	200 (1-251)
Bromomethane	20	32	160	3	200 (1-242)
Chloroethane	20	19	95	15	200 (14-230)
1,1-Dichloroethene	20	20	100	0	200 (1-234)

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

* Values outside of QC limits

Comments: _____

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No. N5989Site: TOWN OF Location: LB17014Group: 5971-VOAMatrix Spike - Sample No.: EN7-M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Methylene Chloride	20	0	23	115	(1-221)
trans-1,2-Dichloroethene	20	0	23	115	(54-156)
1,1-Dichloroethane	20	2	25	115	(59-155)
Chloroform	20	0	23	115	(51-138)
1,1,1-Trichloroethane	20	0	23	115	(52-162)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC RPD	LIMITS REC.
Methylene Chloride	20	21	105	9	200	(1-221)
trans-1,2-Dichloroethene	20	21	105	9	200	(54-156)
1,1-Dichloroethane	20	23	105	10	200	(59-155)
Chloroform	20	21	105	9	200	(51-138)
1,1,1-Trichloroethane	20	21	105	9	200	(52-162)

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

* Values outside of QC limits

Comments: _____

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No. N5989Site: TOWN OFLocation: LB17014Group: 5971-VOAMatrix Spike - Sample No.: EN7-M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Carbon Tetrachloride	20	0	22	110	(70-140)
Benzene	20	1	23	111	(37-151)
1,2-Dichloroethane	20	0	23	115	(49-155)
Trichloroethene	20	6	28	110	(71-157)
1,2-Dichloropropane	20	0	21	105	(1-210)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Carbon Tetrachloride	20	21	105	5	200 (70-140)
Benzene	20	22	105	5	200 (37-151)
1,2-Dichloroethane	20	22	110	4	200 (49-155)
Trichloroethene	20	27	103	6	200 (71-157)
1,2-Dichloropropane	20	21	105	0	200 (1-210)

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

* Values outside of QC limits

Comments: _____

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No. N5989Site: TOWN OF Location: LB17014Group: 5971-VOAMatrix Spike - Sample No.: EN7-M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Bromodichloromethane	20	0	22	110	(35-155)
t-1,3-Dichloropropene	20	0	21	105	(17-183)
Toluene	20	0	21	105	(47-150)
cis-1,3-Dichloropropene	20	0	21	105	(1-227)
1,1,2-Trichloroethane	20	0	23	115	(52-150)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Bromodichloromethane	20	22	110	0	200 (35-155)
t-1,3-Dichloropropene	20	20	100	5	200 (17-183)
Toluene	20	21	105	0	200 (47-150)
cis-1,3-Dichloropropene	20	20	100	5	200 (1-227)
1,1,2-Trichloroethane	20	22	110	4	200 (52-150)

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

* Values outside of QC limits

Comments: _____

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No. N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix Spike - Sample No.: EN7-M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Tetrachloroethene	20	23	45	110	(64-148)
Dibromochloromethane	20	0	22	110	(53-149)
Chlorobenzene	20	0	21	105	(37-160)
Ethyl Benzene	20	0	20	100	(37-162)
o-Xylene	20	0	20	100	(50-150)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC RPD	LIMITS REC.
Tetrachloroethene	20	44	102	7	200	(64-148)
Dibromochloromethane	20	22	110	0	200	(53-149)
Chlorobenzene	20	21	105	0	200	(37-160)
Ethyl Benzene	20	21	105	5	200	(37-162)
o-Xylene	20	20	100	0	200	(50-150)

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

* Values outside of QC limits

Comments: _____

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No. N5989Site: TOWN OF Location: LB17014Group: 5971-VOAMatrix Spike - Sample No.: EN7-M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
m/p-Xylenes	40	0	42	105	(50-150)
Bromoform	20	0	22	110	(45-169)
1,1,2,2-Tetrachloroethane	20	0	22	110	(46-157)
cis-1,2-Dichloroethene	20	22	45	115	(50-150)
2-Butanone	100	0	110	110	(50-150)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
m/p-Xylenes	40	40	100	5	200 (50-150)
Bromoform	20	21	105	5	200 (45-169)
1,1,2,2-Tetrachloroethane	20	21	105	5	200 (46-157)
cis-1,2-Dichloroethene	20	43	102	12	200 (50-150)
2-Butanone	100	110	110	0	200 (50-150)

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

* Values outside of QC limits

Comments: _____

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No. N5989Site: TOWN OF Location: LB17014Group: 5971-VOAMatrix Spike - Sample No.: EN7-M

RPD: 0 out of 32 outside limits

Spike Recovery: 0 out of 64 out					
COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	100	0	120	120	(50-150)
2-Hexanone	100	0	110	110	(50-150)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC RPD	LIMITS REC.
4-Methyl-2-Pentanone	100	120	120	0	200	(50-150)
2-Hexanone	100	110	110	0	200	(50-150)

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

* Values outside of QC limits

Comments: _____

VOLATILE BLANK SPIKE SUMMARY - METHOD 624

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No.: N5989Site: TOWN OF HUNTING Location: LB17014Group: 5971-VOAInstrument ID: GAnalysis Date: 1 Oct 2001Time: 9:28 amLab File ID: VG093025.DGC Column: DB624 ID: 0.53 (mm)

COMPOUND	SPK AMT	SPK REC	% REC	FLAG	LO LIM	HI LIM
Dichlorodifluoromethane	20	18.70	94		50.0	150
Chloromethane	20	17.80	89		1.0	273
Vinyl Chloride	20	19.60	98		1.0	251
Bromomethane	20	25.71	129		1.0	242
Chloroethane	20	16.15	81		40.0	230
Trichlorofluoromethane	20	22.39	112		17.0	181
1,1-Dichloroethene	20	19.08	95		1.0	234
Methylene Chloride	20	20.10	101		1.0	221
trans-1,2-Dichloroethene	20	21.22	106		54.0	156
1,1-Dichloroethane	20	19.91	100		59.0	155
Chloroform	20	21.18	106		51.0	138
1,1,1-Trichloroethane	20	21.92	110		52.0	162
Carbon Tetrachloride	20	22.18	111		70.0	140
Benzene	20	20.65	103		37.0	151
1,2-Dichloroethane	20	21.59	108		49.0	155
Trichloroethene	20	20.62	103		71.0	157
1,2-Dichloropropane	20	20.41	102		1.0	210
Bromodichloromethane	20	21.05	105		35.0	155
2 Chloroethyl vinyl ether	100	190.02	190		1.0	305
1,3-Dichloropropene	20	19.37	97		17.0	183
Toluene	20	20.66	103		47.0	150
cis-1,3-Dichloropropene	20	19.57	98		1.0	227
1,1,2-Trichloroethane	20	21.81	109		52.0	150
Tetrachloroethene	20	21.48	107		64.0	148
Dibromochloromethane	20	21.21	106		53.0	149
Chlorobenzene	20	19.98	100		37.0	160
Ethyl Benzene	20	20.90	105		37.0	162
o-Xylene	20	20.58	103		50.0	150
m/p-Xylenes	40	39.44	99		50.0	150
Bromoform	20	20.54	103		45.0	169
1,1,2,2-Tetrachloroethane	20	20.56	103		46.0	157
1,3-Dichlorobenzene	20	19.66	98		59.0	156
1,4-Dichlorobenzene	20	20.37	102		18.0	190
1,2-Dichlorobenzene	20	20.15	101		18.0	190
Methyl Tert-Butyl Ether	20	21.02	105		50.0	150
tert-Butyl Alcohol	200	190.53	95		50.0	150

4A
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK01

Lab Name: CHEMTECH

Contract: R&C FOR

Project No.: N5989

Site: TOWN OF HUN Location: LB17014

Group: 5971-VOA

Lab File ID: VG093009.D

Lab Sample ID: VBLK01

Date Analyzed: 9/30/01

Time Analyzed: 2037

GC Column: DB624

ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: G

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FB-920	O14	VG093010.D	2125
02	TB-GW	O15	VG093011.D	2213
03	CW1-S	O01	VG093012.D	2301
04	CW1-M	O02	VG093013.D	2350
05	CW4-S	O03	VG093014.D	0038
06	CW4-M	O04	VG093015.D	0126
07	EN1-M	O05	VG093016.D	0214
08	EN6-S	O06	VG093017.D	0302
09	EN6-M	O07	VG093018.D	0350
10	EN7-M	O08	VG093019.D	0438
11	EN9-M	O09	VG093020.D	0526
12	EN10-M	O10	VG093021.D	0615
13	GW-B	O13	VG093022.D	0703
14	EN7-MMS	O11	VG093023.D	0751
15	EN7-MMSD	O12	VG093024.D	0840
16	BLKSPK	BLKSPK	VG093025.D	0928
17				
18				
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30				

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : CHEMTECH Contract: R&C FORMATION LTD.
 Project No.: N5989 Site: TOWN OF HUNTING Location: LB17014 Group: 5971-VOA
 Lab File ID: VG093001.D BFB Injection Date: 9/30/01
 Instrument ID: G BFB Injection Time: 1413
 GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.1
75	30.0 - 60.0% of mass 95	59.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	57.4
175	5.0 - 9.0% of mass 174	4.7 (8.2)1
176	95.0 - 101.0% of mass 174	54.7 (95.2)1
177	5.0 - 9.0% of mass 176	3.7 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	VG093002.D	9/30/01	1501
02	VSTD100	VSTD100	VG093003.D	9/30/01	1549
03	VSTD050	VSTD050	VG093004.D	9/30/01	1637
04	VSTD020	VSTD020	VG093005.D	9/30/01	1725
05	VSTD010	VSTD010	VG093006.D	9/30/01	1813
06	VBLK01	VBLK01	VG093009.D	9/30/01	2037
07	FB-920	O14	VG093010.D	9/30/01	2125
08	TB-GW	O15	VG093011.D	9/30/01	2213
09	CW1-S	O01	VG093012.D	9/30/01	2301
10	CW1-M	O02	VG093013.D	9/30/01	2350
11	CW4-S	O03	VG093014.D	10/1/01	0038
12	CW4-M	O04	VG093015.D	10/1/01	0126
13	EN1-M	O05	VG093016.D	10/1/01	0214
14	EN6-S	O06	VG093017.D	10/1/01	0302
15	EN6-M	O07	VG093018.D	10/1/01	0350
16	EN7-M	O08	VG093019.D	10/1/01	0438
17	EN9-M	O09	VG093020.D	10/1/01	0526
18	EN10-M	O10	VG093021.D	10/1/01	0615
19	GW-B	O13	VG093022.D	10/1/01	0703
20	EN7-MMS	O11	VG093023.D	10/1/01	0751
21	EN7-MMSD	O12	VG093024.D	10/1/01	0840
22	BLKSPK	BLKSPK	VG093025.D	10/1/01	0928

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHContract: R&C FORMATION LTD.Project No.: N5989Site: TOWN OF HUNTINGTONLocation: LB17014Group: 5971-VOALab File ID (Standard): VG093005.DDate Analyzed: 9/30/01Instrument ID: GTime Analyzed: 1725GC Column: DB624ID: 0.53 (mm)Heated Purge (Y/N) N

	IS1 AREA #	RT #	IS2 0 AREA #	RT #	IS3 0 AREA #	RT #
12 HOUR STD	153024	14.66	893913	16.65	898650	23.11
UPPER LIMIT	306048	15.16	1787826	17.15	1797300	23.61
LOWER LIMIT	76512	14.16	446957	16.15	449325	22.61
SAMPLE NO.						
01 VBLK01	155352	14.67	905670	16.63	902967	23.10
02 FB-920	155168	14.66	905864	16.63	910272	23.10
03 TB-GW	156440	14.65	905248	16.64	916080	23.11
04 CW1-S	154835	14.67	891454	16.63	907645	23.11
05 CW1-M	153480	14.65	867975	16.65	896300	23.10
06 CW4-S	151176	14.67	884276	16.63	882722	23.11
07 CW4-M	150895	14.66	851879	16.65	879566	23.11
08 EN1-M	146474	14.67	867662	16.63	866219	23.10
09 EN6-S	143379	14.65	845531	16.65	833907	23.10
10 EN6-M	144695	14.67	836443	16.63	845648	23.11
11 EN7-M	144732	14.67	834184	16.64	864181	23.10
12 EN9-M	142208	14.68	851707	16.64	880071	23.11
13 EN10-M	147350	14.68	841669	16.64	848282	23.11
14 GW-B	145540	14.68	854449	16.66	855644	23.11
15 EN7-MMS	129145	14.69	804098	16.65	835106	23.12
16 EN7-MMSD	139409	14.70	820852	16.66	813965	23.13
17 BLKSPK	144399	14.68	827015	16.67	833515	23.13
18						
19						
20						
21						
22						

IS1 = Bromochloromethane

IS2 0 = 1,4-Difluorobenzene

IS3 0 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

* Values outside of QC limits.

CHEMTECH

VOLATILES
SAMPLE
DATA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW1-S

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093012.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 9/30/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	<u>ug/L</u>	
74-87-3	Chloromethane	1.1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	0.6		U
75-00-3	Chloroethane	0.7		U
75-35-4	1,1-Dichloroethene	0.4		U
75-69-4	Trichlorofluoromethane	0.4		U
75-09-2	Methylene Chloride	0.4		U
156-60-5	trans-1,2-Dichloroethene	0.4		U
75-34-3	1,1-Dichloroethane	0.2		U
67-66-3	Chloroform	0.3		U
71-55-6	1,1,1-Trichloroethane	0.3		U
56-23-5	Carbon Tetrachloride	0.3		U
71-43-2	Benzene	2.4		
107-06-2	1,2-Dichloroethane	0.3		U
79-01-6	Trichloroethene	0.4		U
78-87-5	1,2-Dichloropropane	0.4		U
75-27-4	Bromodichloromethane	0.3		U
110-75-8	2-Chloroethyl Vinyl Ether	1.1		U
10061-02-6	t-1,3-Dichloropropene	0.2		U
108-88-3	Toluene	0.3		U
10061-01-5	cis-1,3-Dichloropropene	0.3		U
79-00-5	1,1,2-Trichloroethane	0.3		U
127-18-4	Tetrachloroethene	0.3		U
124-48-1	Dibromochloromethane	0.3		U
108-90-7	Chlorobenzene	6.5		
100-41-4	Ethyl Benzene	0.4		U
75-25-2	Bromoform	0.3		U
79-34-5	1,1,2,2-Tetrachloroethane	0.3		U
541-73-1	1,3-Dichlorobenzene	0.4		U
106-46-7	1,4-Dichlorobenzene	0.3		U
95-50-1	1,2-Dichlorobenzene	0.2		U

FORM I VOA

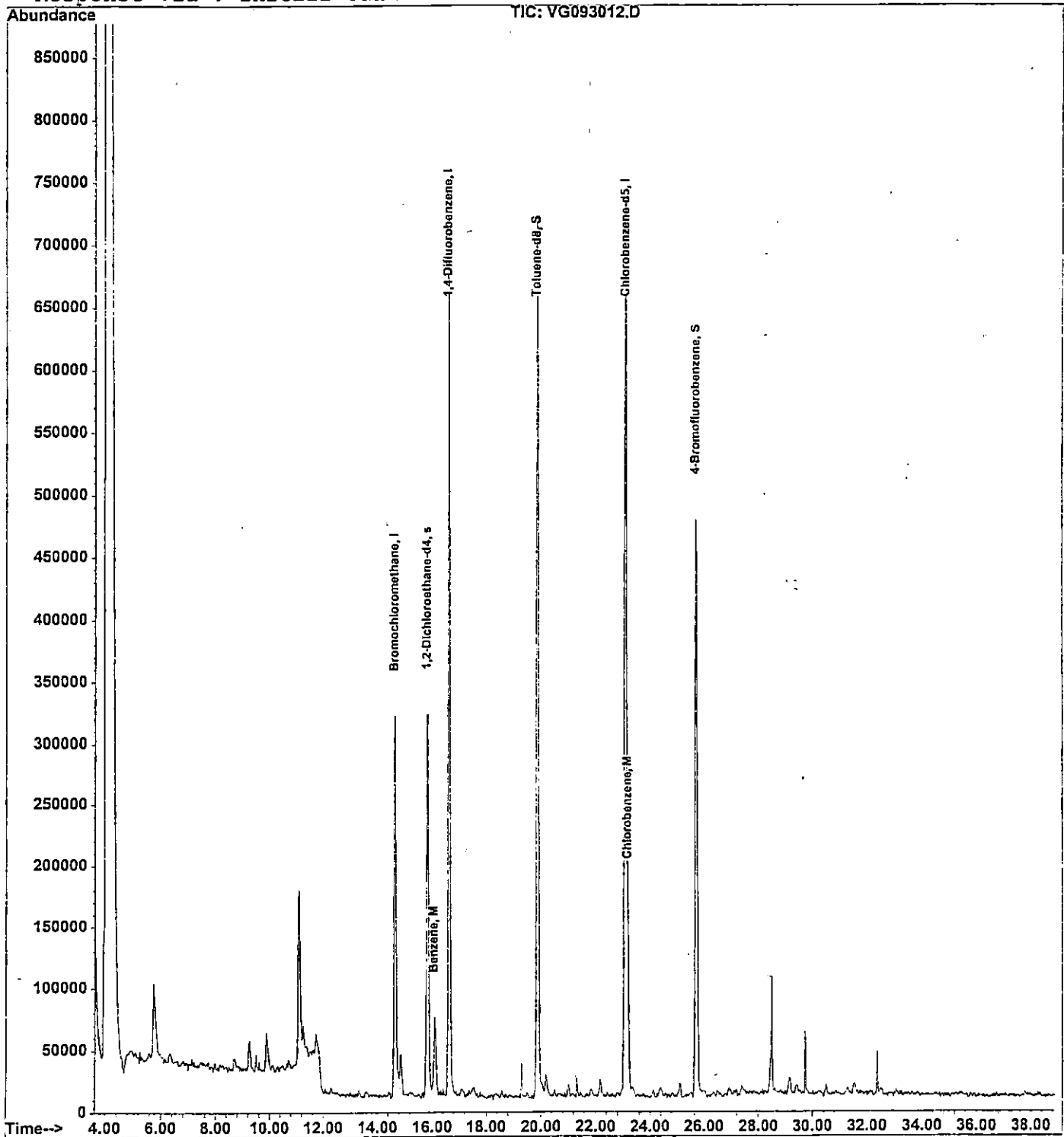
3/90

21722 29 10/23/01

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093012.D Vial: 12
Acq On : 30 Sep 2001 11:01 pm Operator: BRIJ
Sample : N5989-01-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 13:02 19101 Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093012.D Vial: 12
 Acq On : 30 Sep 2001 11:01 pm Operator: BRIJ
 Sample : N5989-01-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:02 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration
 DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.67	128	154835	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.63	114	891454	30.00	ug/l	-0.02
40) Chlorobenzene-d5	23.11	117	907645	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.85	65	613437	30.07	ug/l	0.00
Spiked Amount	30.000		Recovery	=	100.23%	
43) 4-Bromofluorobenzene	25.71	95	481416	30.24	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	100.80%	
46) Toluene-d8	19.88	98	984071	29.72	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	99.07%	
Target Compounds						
27) Benzene	16.10	78	89720	2.43	ug/l	Qvalue 100
47) Chlorobenzene	23.20	112	164130	6.49	ug/l	98

1.17
10/16

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW1-M

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF F Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093013.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 9/30/01

GC Column: DB624

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane		1.1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		0.6	U
75-00-3	Chloroethane		0.7	U
75-35-4	1,1-Dichloroethene		0.4	U
75-69-4	Trichlorofluoromethane		0.4	U
75-09-2	Methylene Chloride		0.4	U
156-60-5	trans-1,2-Dichloroethene		0.4	U
75-34-3	1,1-Dichloroethane		0.2	U
67-66-3	Chloroform		0.3	U
71-55-6	1,1,1-Trichloroethane		0.3	U
56-23-5	Carbon Tetrachloride		0.3	U
71-43-2	Benzene		0.3	U
107-06-2	1,2-Dichloroethane		0.3	U
79-01-6	Trichloroethene		0.4	U
78-87-5	1,2-Dichloropropane		0.4	U
75-27-4	Bromodichloromethane		0.3	U
110-75-8	2-Chloroethyl Vinyl Ether		1.1	U
10061-02-6	t-1,3-Dichloropropene		0.2	U
108-88-3	Toluene		0.3	U
10061-01-5	cis-1,3-Dichloropropene		0.3	U
79-00-5	1,1,2-Trichloroethane		0.3	U
127-18-4	Tetrachloroethene		0.3	U
124-48-1	Dibromochloromethane		0.3	U
108-90-7	Chlorobenzene		0.2	U
100-41-4	Ethyl Benzene		0.4	U
75-25-2	Bromoform		0.3	U
79-34-5	1,1,2,2-Tetrachloroethane		0.3	U
541-73-1	1,3-Dichlorobenzene		0.4	U
106-46-7	1,4-Dichlorobenzene		0.3	U
95-50-1	1,2-Dichlorobenzene		0.2	U

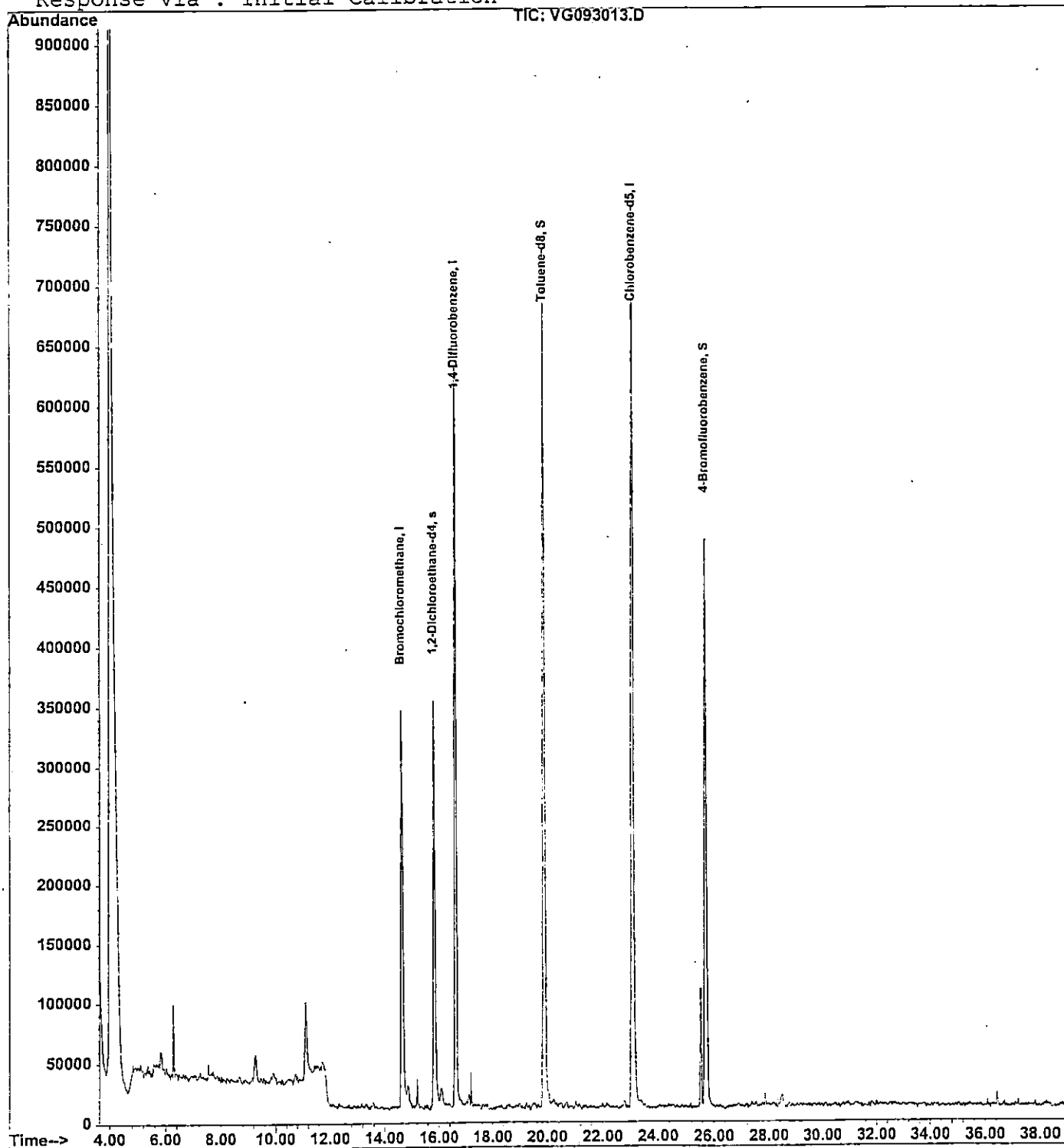
Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093013.D Vial: 13
 Acq On : 30 Sep 2001 11:50 pm Operator: BRIJ
 Sample : N5989-02-A Inst : voa3
 Misc : 5mL Multiplr: 1.00

MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:20 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093013.D Vial: 13
Acq On : 30.Sep 2001 11:50 pm Operator: BRIJ
Sample : N5989-02-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 13:20 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration
DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.65	128	153480	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.65	114	867975	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.10	117	896300	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.84	65	618393	30.58	ug/l	0.00
Spiked Amount	30.000		Recovery	=	101.93%	
43) 4-Bromofluorobenzene	25.72	95	464320	29.54	ug/l	0.00
Spiked Amount	30.000		Recovery	=	98.47%	
46) Toluene-d8	19.89	98	978498	29.93	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	99.77%	

Target Compounds

Qvalue

13.75
10/16

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW4-S

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 003

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093014.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 10/1/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.3	U
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

FORM I VOA

3/90

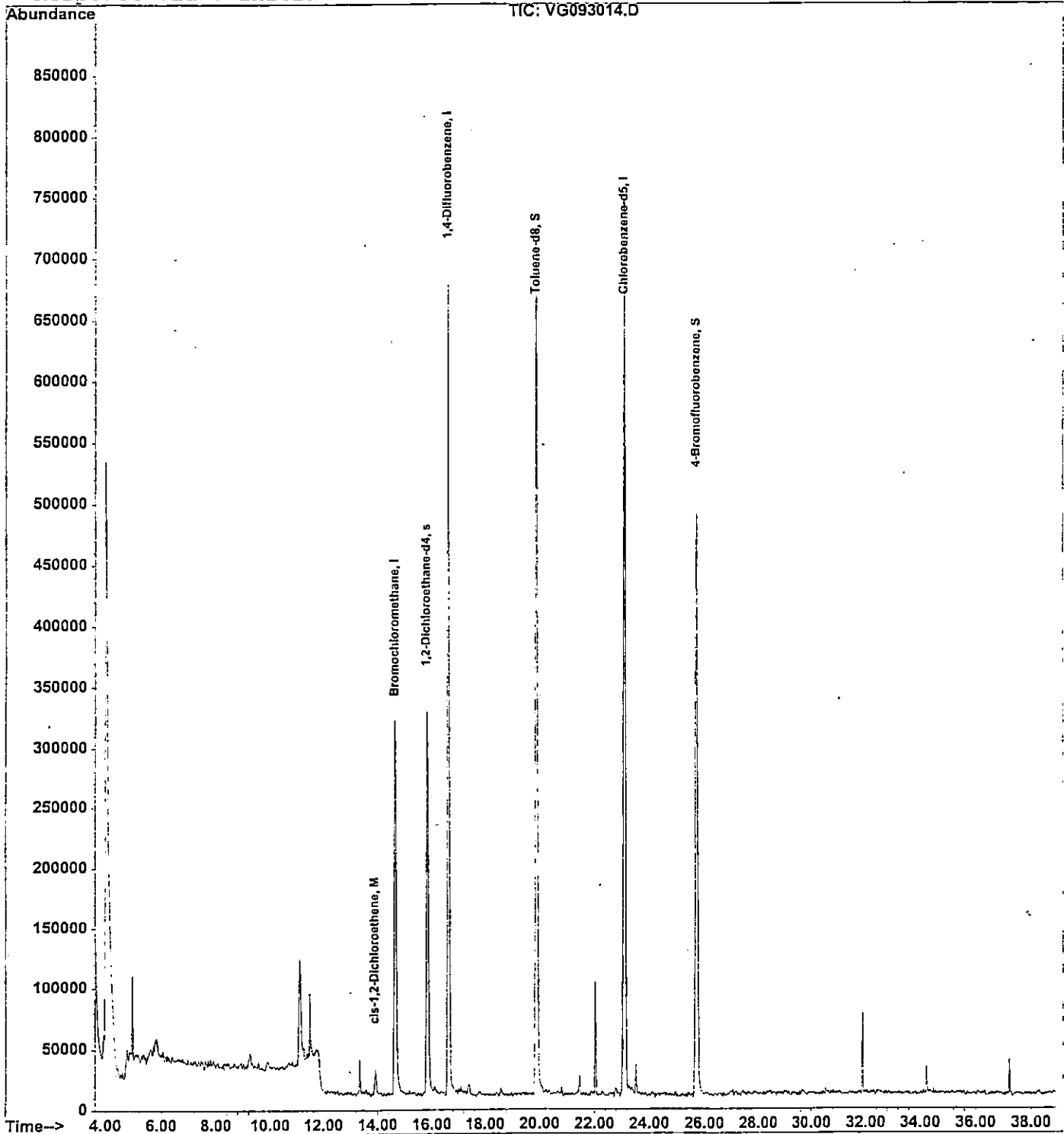
30 + 31 *adp 10/23*

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093014.D Vial: 14
Acq On : 1 Oct 2001 12:38 am Operator: BRIJ
Sample : N5989-03-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 13:05 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093014.D Vial: 14
Acq On : 1 Oct 2001 12:38 am Operator: BRIJ
Sample : N5989-03-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 13:05 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration
DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.67	128	151176	30.00	ug/l	0.01
22) 1,4-Difluorobenzene	16.63	114	884276	30.00	ug/l	-0.01
40) Chlorobenzene-d5	23.11	117	882722	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.83	65	606613	30.46	ug/l	-0.01
Spiked Amount	30.000		Recovery	=	101.53%	
43) 4-Bromofluorobenzene	25.73	95	477228	30.83	ug/l	0.00
Spiked Amount	30.000		Recovery	=	102.77%	
46) Toluene-d8	19.90	98	966089	30.00	ug/l	0.00
Spiked Amount	30.000		Recovery	=	100.00%	
Target Compounds						
16) cis-1,2-Dichloroethene	13.93	96	14077	1.32	ug/l	Qvalue 88

BMS
10/16

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

CW4-M

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 004

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093015.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 10/1/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	<u>ug/L</u>
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.3	U
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

FORM I VOA

3/90

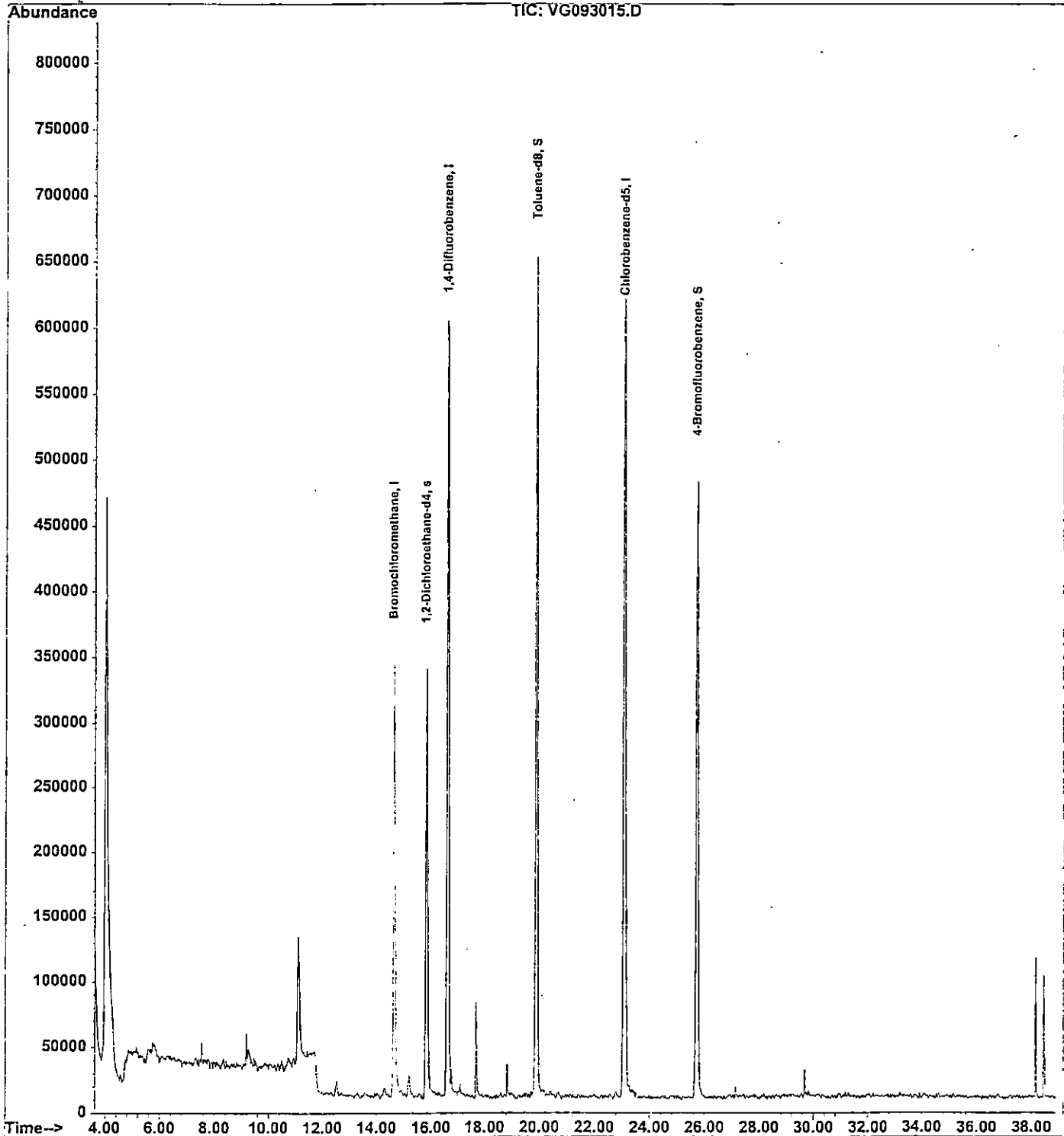
35 + 36 2010/23/01

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093015.D Vial: 15
Acq On : 1 Oct 2001 1:26 am Operator: BRIJ
Sample : N5989-04-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 13:10 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093015.D Vial: 15
Acq On : 1 Oct 2001 1:26 am Operator: BRIJ
Sample : N5989-04-A Inst : voa3
Misc : 5mL Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 16 13:10 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Last Update : Tue Oct 16 12:38:17 2001

Response via : Initial Calibration

DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.66	128	150895	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.65	114	851879	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.11	117	879566	30.00	ug/l	0.00

System Monitoring Compounds

20) 1,2-Dichloroethane-d4	15.85	65	612366	30.81	ug/l	0.00
Spiked Amount	30.000		Recovery	=	102.70%	
43) 4-Bromofluorobenzene	25.73	95	472197	30.61	ug/l	0.00
Spiked Amount	30.000		Recovery	=	102.03%	
46) Toluene-d8	19.91	98	956944	29.83	ug/l	0.00
Spiked Amount	30.000		Recovery	=	99.43%	

Target Compounds

Qvalue

BAJ
10/16

(#) = qualifier out of range (m) = manual integration

VG093015.D 624G0930.M

Tue Oct 16 15:03:11 2001

RPT1

Page 1

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EN1-M

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF F Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O05

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093016.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 10/1/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	1.4	
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	2.2	
67-66-3	Chloroform	1.3	
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.9	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

FORM I VOA

3/90

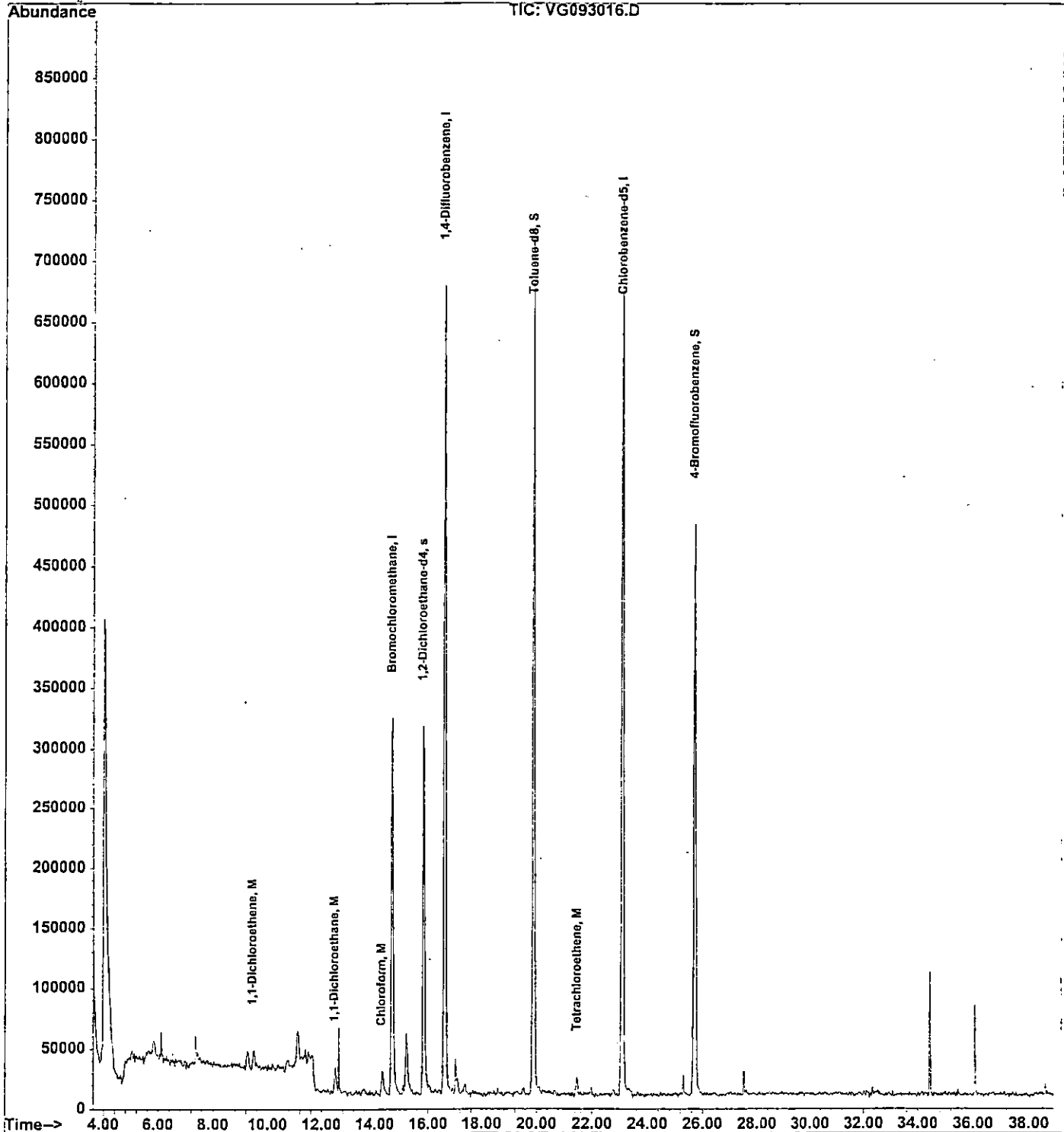
39+40 apcjs

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093016.D Vial: 16
 Acq On : 1 Oct 2001 2:14 am Operator: BRIJ
 Sample : N5989-05-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:08 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093016.D Vial: 16
 Acq On : 1 Oct 2001 2:14 am Operator: BRIJ
 Sample : N5989-05-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:08 19101 Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration
 DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.67	128	146474	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.63	114	867662	30.00	ug/l	-0.01
40) Chlorobenzene-d5	23.10	117	866219	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.83	65	618237	32.04	ug/l	-0.01
Spiked Amount 30.000			Recovery	=	106.80%	
43) 4-Bromofluorobenzene	25.73	95	473943	31.20	ug/l	0.00
Spiked Amount 30.000			Recovery	=	104.00%	
46) Toluene-d8	19.89	98	965918	30.57	ug/l	0.00
Spiked Amount 30.000			Recovery	=	101.90%	
Target Compounds						
8) 1,1-Dichloroethene	9.48	96	11072	1.42	ug/l #	69
15) 1,1-Dichloroethane	12.51	63	52244	2.15	ug/l #	90
19) Chloroform	14.28	83	34327	1.33	ug/l	96
44) Tetrachloroethene	21.47	164	5877	0.93	ug/l #	88

Am
10/16

(#) = qualifier out of range (m) = manual integration

VG093016.D 624G0930.M

Tue Oct 16 15:03:38 2001

RPT1

Page 1

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EN6-S

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF F Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O06

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093017.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 10/1/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.8	
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.6	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

FORM I VOA

3/90

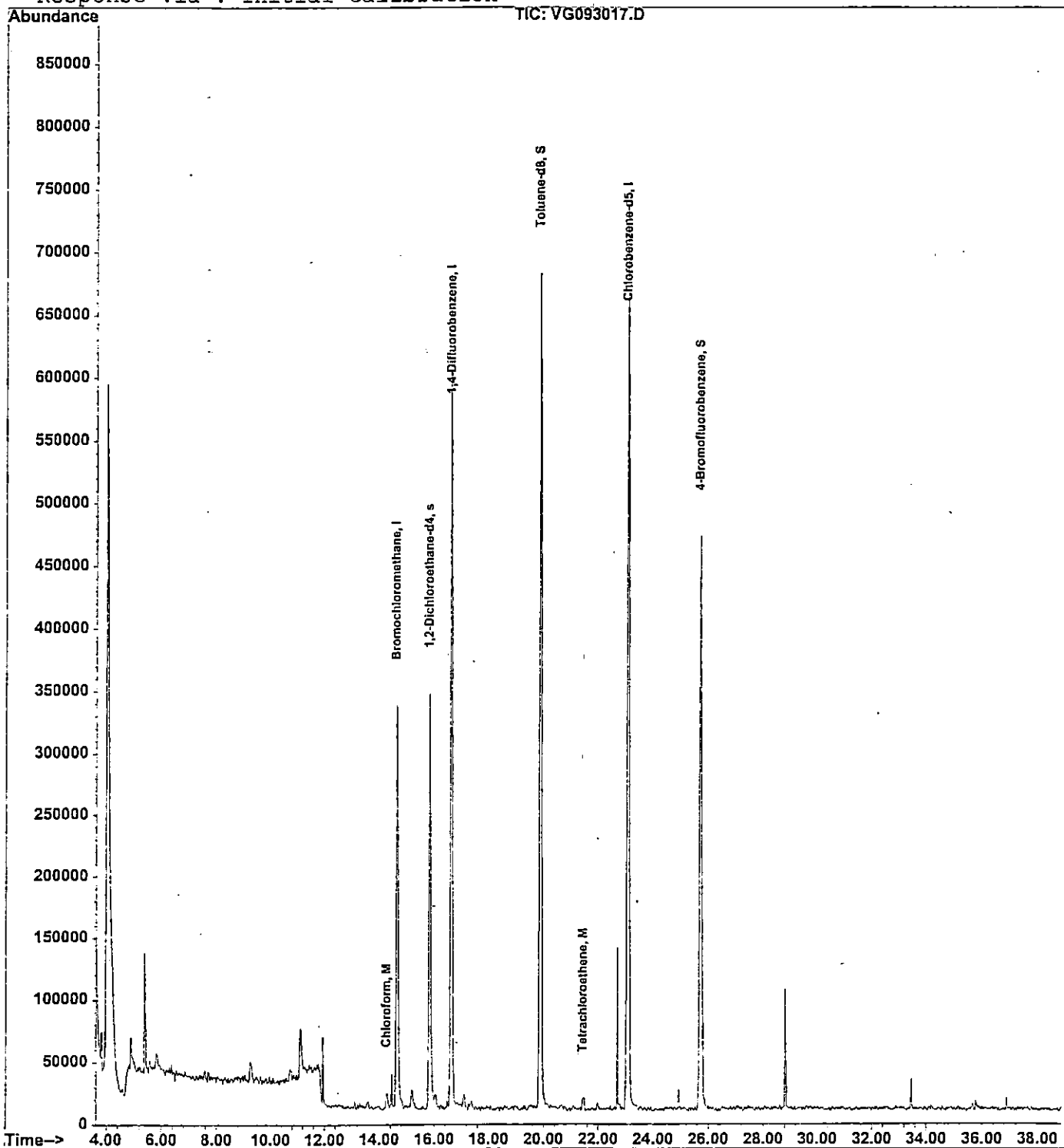
45 + 46 as 10/29/01

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093017.D Vial: 17
 Acq On : 1 Oct 2001 3:02 am Operator: BRIJ
 Sample : N5989-06-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:10 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093017.D Vial: 17
 Acq On : 1 Oct 2001 3:02 am Operator: BRIJ
 Sample : N5989-06-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:10 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration
 DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	14.65	128	143379	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.65	114	845531	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.10	117	833907	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.84	65	606826	32.13	ug/l	0.00
Spiked Amount	30.000		Recovery	=	107.10%	
43) 4-Bromofluorobenzene	25.73	95	454712	31.09	ug/l	0.00
Spiked Amount	30.000		Recovery	=	103.63%	
46) Toluene-d8	19.88	98	933707	30.69	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	102.30%	
Target Compounds						
19) Chloroform	14.29	83	20613	0.81	ug/l #	80
44) Tetrachloroethene	21.46	164	3886	0.64	ug/l #	88

7.5/7.7
1.1/1.6

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EN6-M

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 007

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093018.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 10/1/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane	1.1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	0.6		U
75-00-3	Chloroethane	0.7		U
75-35-4	1,1-Dichloroethene	0.4		U
75-69-4	Trichlorofluoromethane	0.4		U
75-09-2	Methylene Chloride	0.4		U
156-60-5	trans-1,2-Dichloroethene	0.4		U
75-34-3	1,1-Dichloroethane	0.2		U
67-66-3	Chloroform	0.3		U
71-55-6	1,1,1-Trichloroethane	0.3		U
56-23-5	Carbon Tetrachloride	0.3		U
71-43-2	Benzene	0.3		U
107-06-2	1,2-Dichloroethane	0.3		U
79-01-6	Trichloroethene	2.4		
78-87-5	1,2-Dichloropropane	0.4		U
75-27-4	Bromodichloromethane	0.3		U
110-75-8	2-Chloroethyl Vinyl Ether	1.1		U
10061-02-6	t-1,3-Dichloropropene	0.2		U
108-88-3	Toluene	0.3		U
10061-01-5	cis-1,3-Dichloropropene	0.3		U
79-00-5	1,1,2-Trichloroethane	0.3		U
127-18-4	Tetrachloroethene	9.1		
124-48-1	Dibromochloromethane	0.3		U
108-90-7	Chlorobenzene	0.2		U
100-41-4	Ethyl Benzene	0.4		U
75-25-2	Bromoform	0.3		U
79-34-5	1,1,2,2-Tetrachloroethane	0.3		U
541-73-1	1,3-Dichlorobenzene	0.4		U
106-46-7	1,4-Dichlorobenzene	0.3		U
95-50-1	1,2-Dichlorobenzene	0.2		U

FORM I VOA

3/90

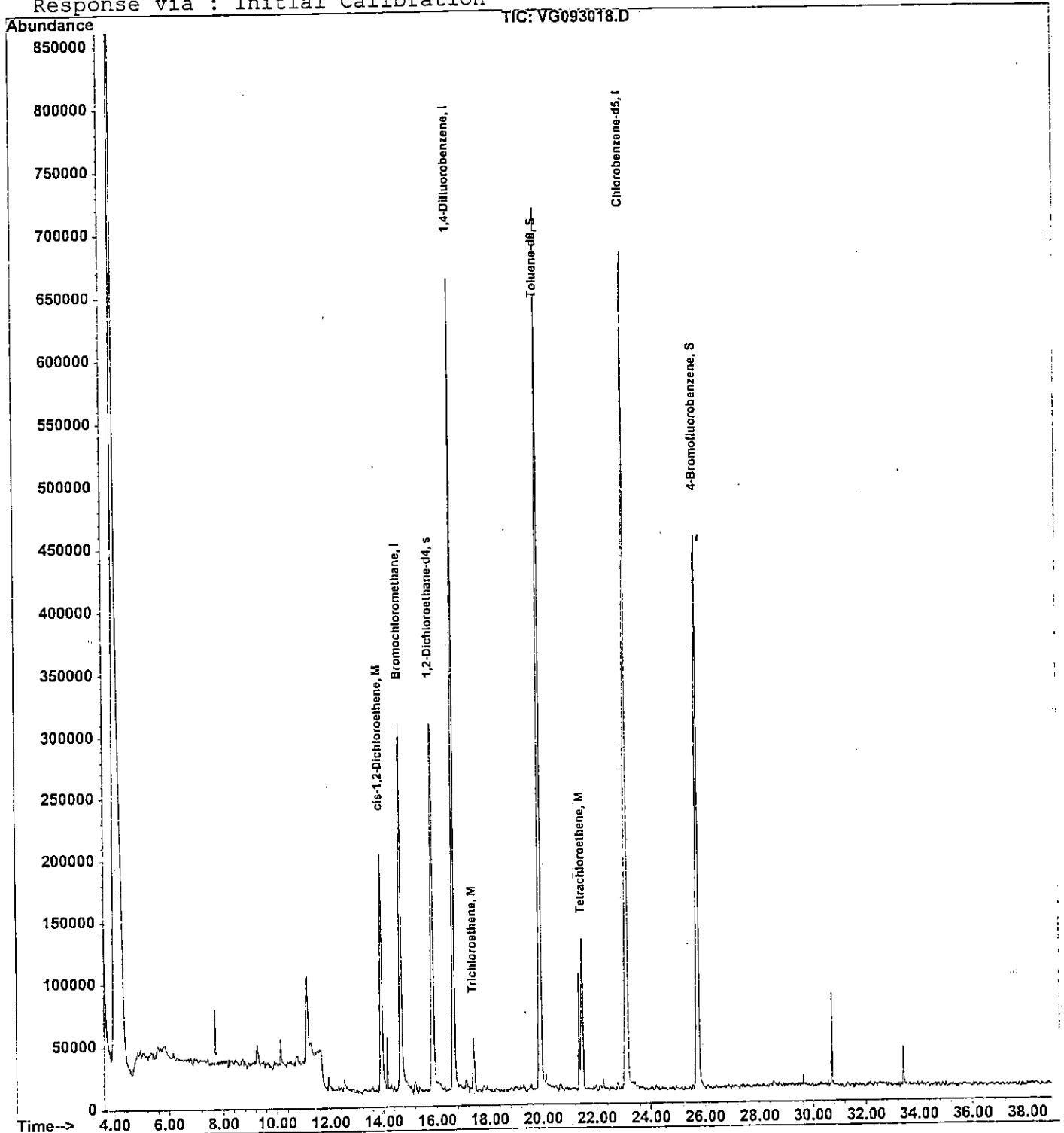
50 + 51 AP 10/23/01

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093018.D Vial: 18
 Acq On : 1 Oct 2001 3:50 am Operator: BRIJ
 Sample : N5989-07-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:12 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093018.D Vial: 18
Acq On : 1 Oct 2001 3:50 am Operator: BRIJ
Sample : N5989-07-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 13:12 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration
DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.67	128	144695	30.00	ug/l	0.01
22) 1,4-Difluorobenzene	16.63	114	836443	30.00	ug/l	-0.01
40) Chlorobenzene-d5	23.11	117	845648	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.83	65	614997	32.26	ug/l	-0.01
Spiked Amount	30.000		Recovery	=	107.53%	
43) 4-Bromofluorobenzene	25.74	95	456354	30.77	ug/l	0.01
Spiked Amount	30.000		Recovery	=	102.57%	
46) Toluene-d8	19.90	98	963938	31.25	ug/l	0.00
Spiked Amount	30.000		Recovery	=	104.17%	
Target Compounds						
16) cis-1,2-Dichloroethene	13.92	96	150308	14.74	ug/l	95
29) Trichloroethene	17.41	130	24747	2.44	ug/l	84
44) Tetrachloroethene	21.48	164	56170	9.09	ug/l	96

AMS
10/16

(#) = qualifier out of range (m) = manual integration

VG093018.D 624G0930.M

Tue Oct 16 15:04:25 2001

RPT1

Page 1
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EN7-M

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O08

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093019.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 10/1/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	2	
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.9	
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	6.1	
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	23	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

FORM I VOA

3/90

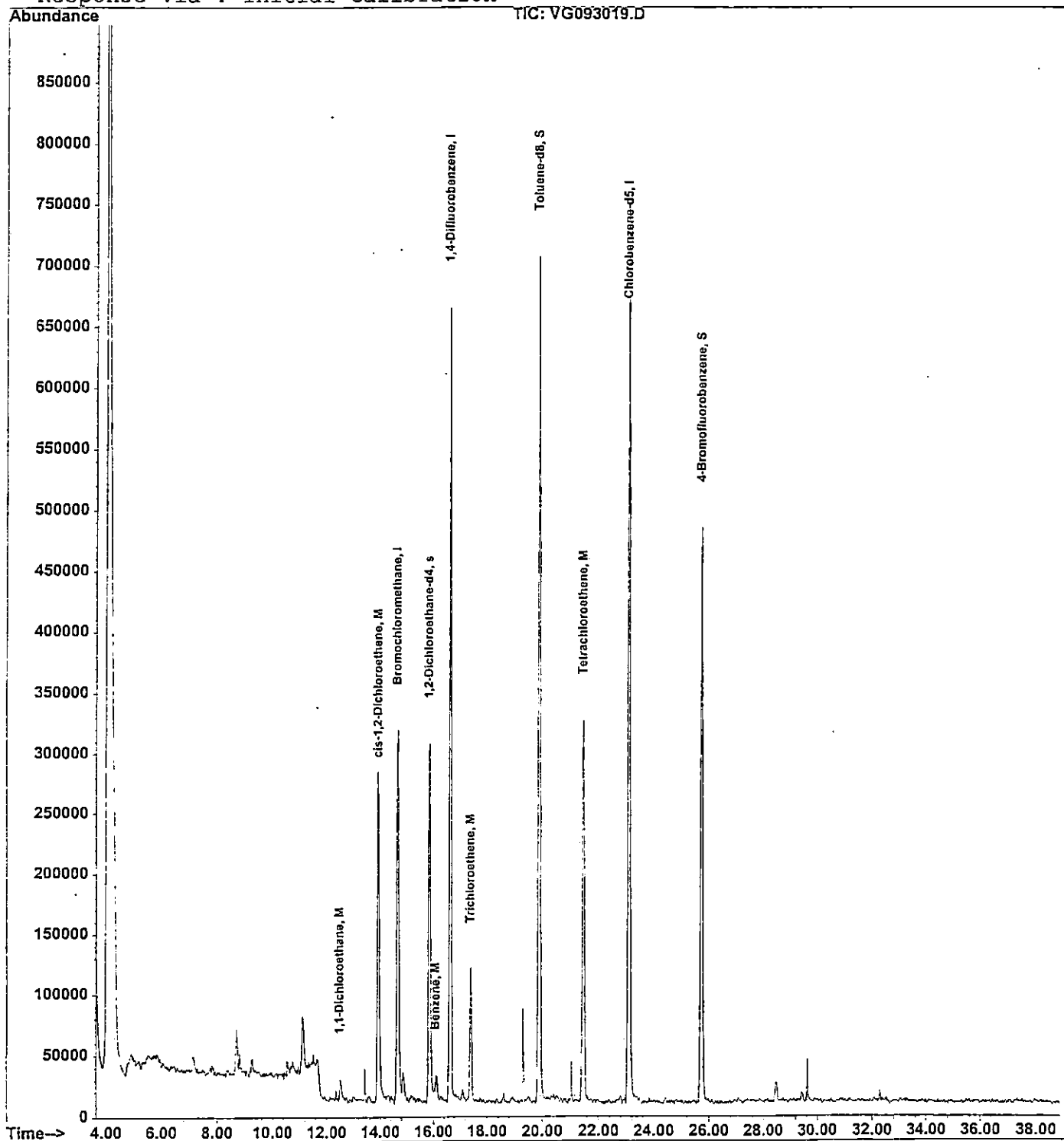
56 + 57 10/23/01

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093019.D Vial: 19
 Acq On : 1 Oct 2001 4:38 am Operator: BRIJ
 Sample : N5989-08-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:22 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration

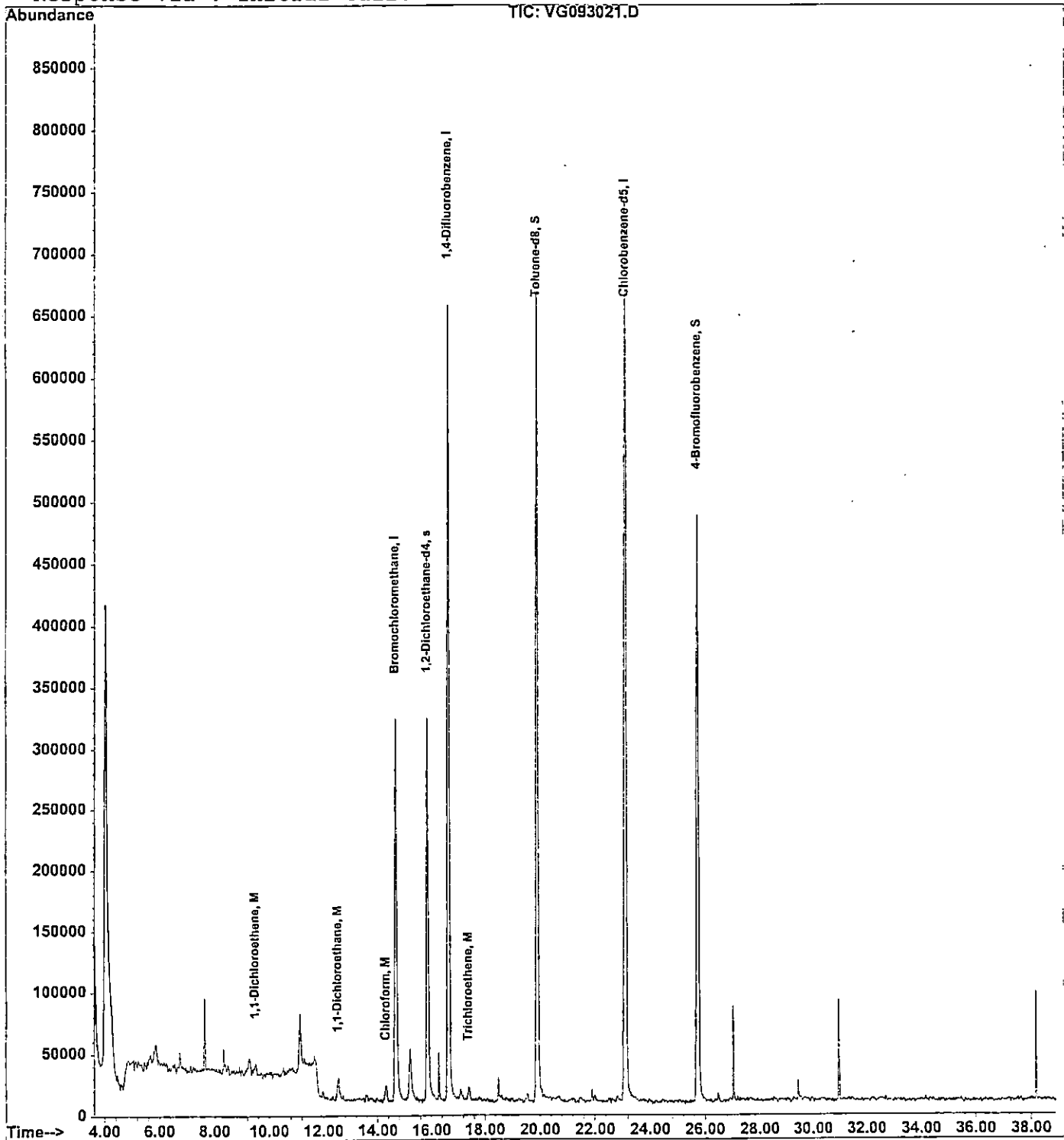


Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093021.D Vial: 21
 Acq On : 1 Oct 2001 6:15 am Operator: BRIJ
 Sample : N5989-10-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:25 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093021.D Vial: 21
 Acq On : 1 Oct 2001 6:15 am Operator: BRIJ
 Sample : N5989-10-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:25 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration
 DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.68	128	147350	30.00	ug/l	0.02
22) 1,4-Difluorobenzene	16.64	114	841669	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.11	117	848282	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.87	65	608073	31.33	ug/l	0.02
Spiked Amount 30.000			Recovery	=	104.43%	
43) 4-Bromofluorobenzene	25.74	95	460489	30.95	ug/l	0.01
Spiked Amount 30.000			Recovery	=	103.17%	
46) Toluene-d8	19.90	98	950002	30.70	ug/l	0.00
Spiked Amount 30.000			Recovery	=	102.33%	
Target Compounds						
8) 1,1-Dichloroethene	9.51	96	5802	0.74	ug/l	Qvalue # 70
15) 1,1-Dichloroethane	12.55	63	47190m	1.93	ug/l	
19) Chloroform	14.32	83	21150	0.81	ug/l	96
29) Trichloroethene	17.41	130	6135	0.60	ug/l	83

Handwritten: 75m / 14/16

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

GW-B

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF F Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O13

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093022.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 10/1/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

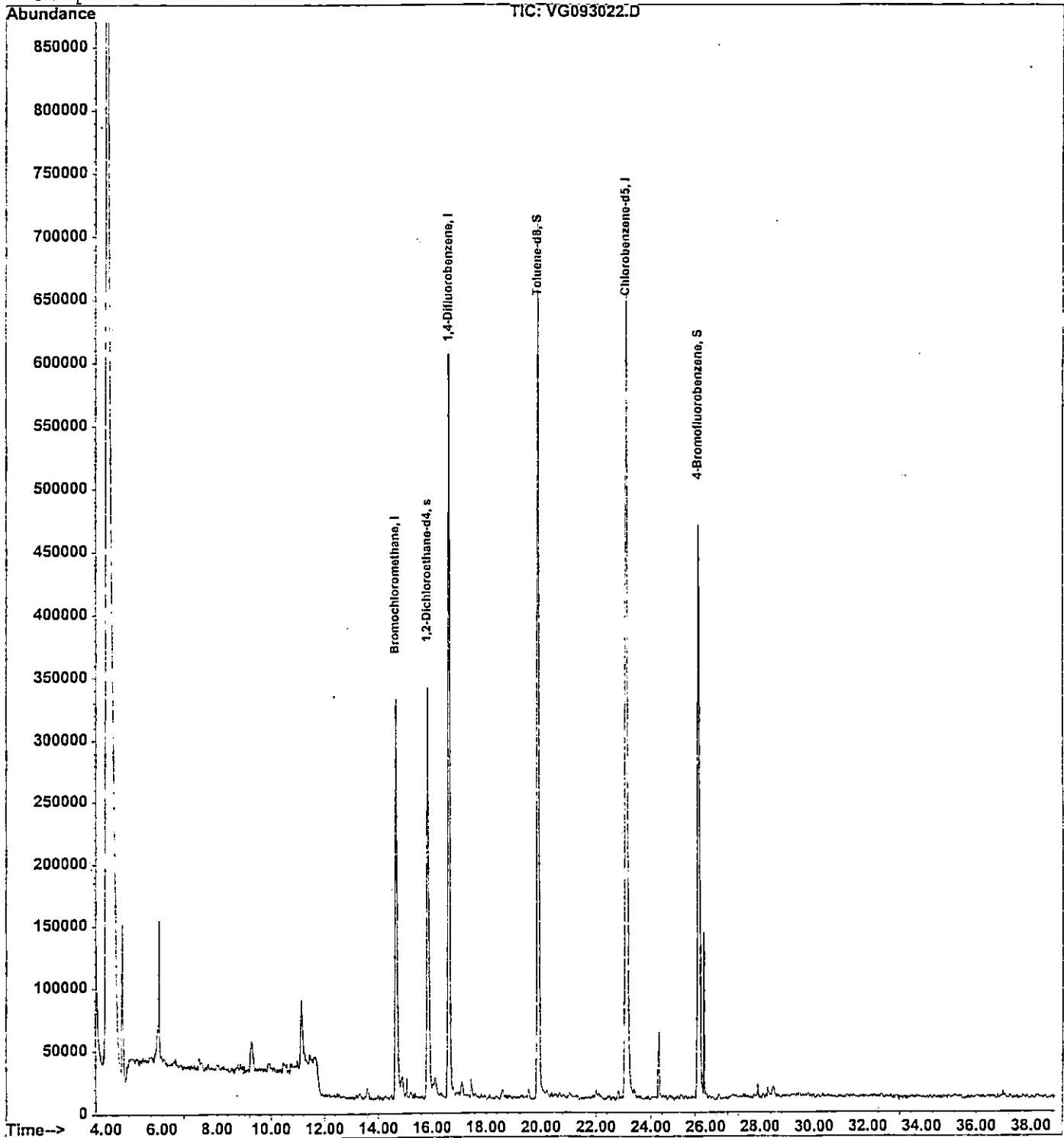
CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.3	U
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093022.D Vial: 22
Acq On : 1 Oct 2001 7:03 am Operator: BRIJ
Sample : N5989-13-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 13:27 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093022.D Vial: 22
 Acq On : 1 Oct 2001 7:03 am Operator: BRIJ
 Sample : N5989-13-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:27 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration
 DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.68	128	145540	30.00	ug/l	0.02
22) 1,4-Difluorobenzene	16.66	114	854449	30.00	ug/l	0.02
40) Chlorobenzene-d5	23.11	117	855644	30.00	ug/l	0.00

System Monitoring Compounds

20) 1,2-Dichloroethane-d4	15.86	65	622798	32.48	ug/l	0.02
Spiked Amount	30.000		Recovery	=	108.27%	
43) 4-Bromofluorobenzene	25.73	95	455432	30.35	ug/l	0.00
Spiked Amount	30.000		Recovery	=	101.17%	
46) Toluene-d8	19.90	98	969299	31.06	ug/l	0.00
Spiked Amount	30.000		Recovery	=	103.53%	

Target Compounds

Qvalue

Handwritten: 2/13
10/16

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FB-920

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O14

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093010.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 9/30/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

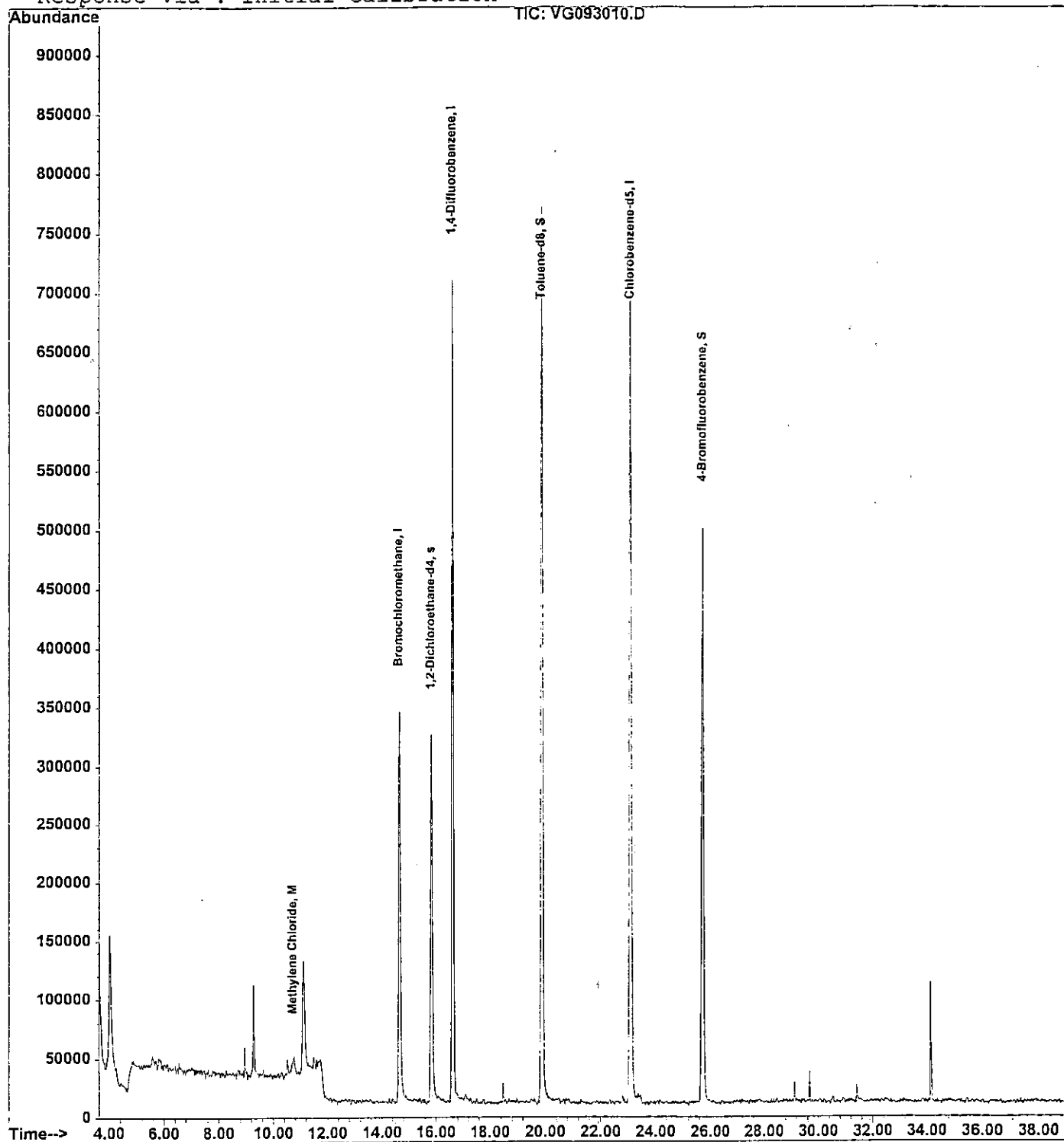
CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	4.1	
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.3	U
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093010.D Vial: 10
 Acq On : 30 Sep 2001 9:25 pm Operator: BRIJ
 Sample : N5989-14-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 12:57 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093010.D Vial: 10
Acq On : 30 Sep 2001 9:25 pm Operator: BRIJ
Sample : N5989-14-A Inst : voa3
Misc : 5mL Multiplr: 1.00
MS Integration Params: RTEINT3.P
Quant Time: Oct 16 12:57 19101 Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Tue Oct 16 12:38:17 2001
Response via : Initial Calibration
DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.66	128	155168	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.63	114	905864	30.00	ug/l	-0.02
40) Chlorobenzene-d5	23.10	117	910272	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.85	65	636165	31.12	ug/l	0.00
Spiked Amount	30.000		Recovery	=	103.73%	
43) 4-Bromofluorobenzene	25.73	95	486258	30.46	ug/l	0.00
Spiked Amount	30.000		Recovery	=	101.53%	
46) Toluene-d8	19.89	98	1004652	30.26	ug/l	-0.01
Spiked Amount	30.000		Recovery	=	100.87%	
Target Compounds						
13) Methylene Chloride	10.74	84	18925	2.22	ug/l	Qvalue # 81

12/16

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-GW

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5989

Site: TOWN OF Location: LB17014

Group: 5971-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O15

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG093011.D

Level: (low/med)

Date Received: 9/26/01

% Moisture: not dec. 100

Date Analyzed: 9/30/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	<u>ug/L</u>
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-69-4	Trichlorofluoromethane	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
110-75-8	2-Chloroethyl Vinyl Ether	1.1	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.3	U
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U
95-50-1	1,2-Dichlorobenzene	0.2	U

Quantitation Report

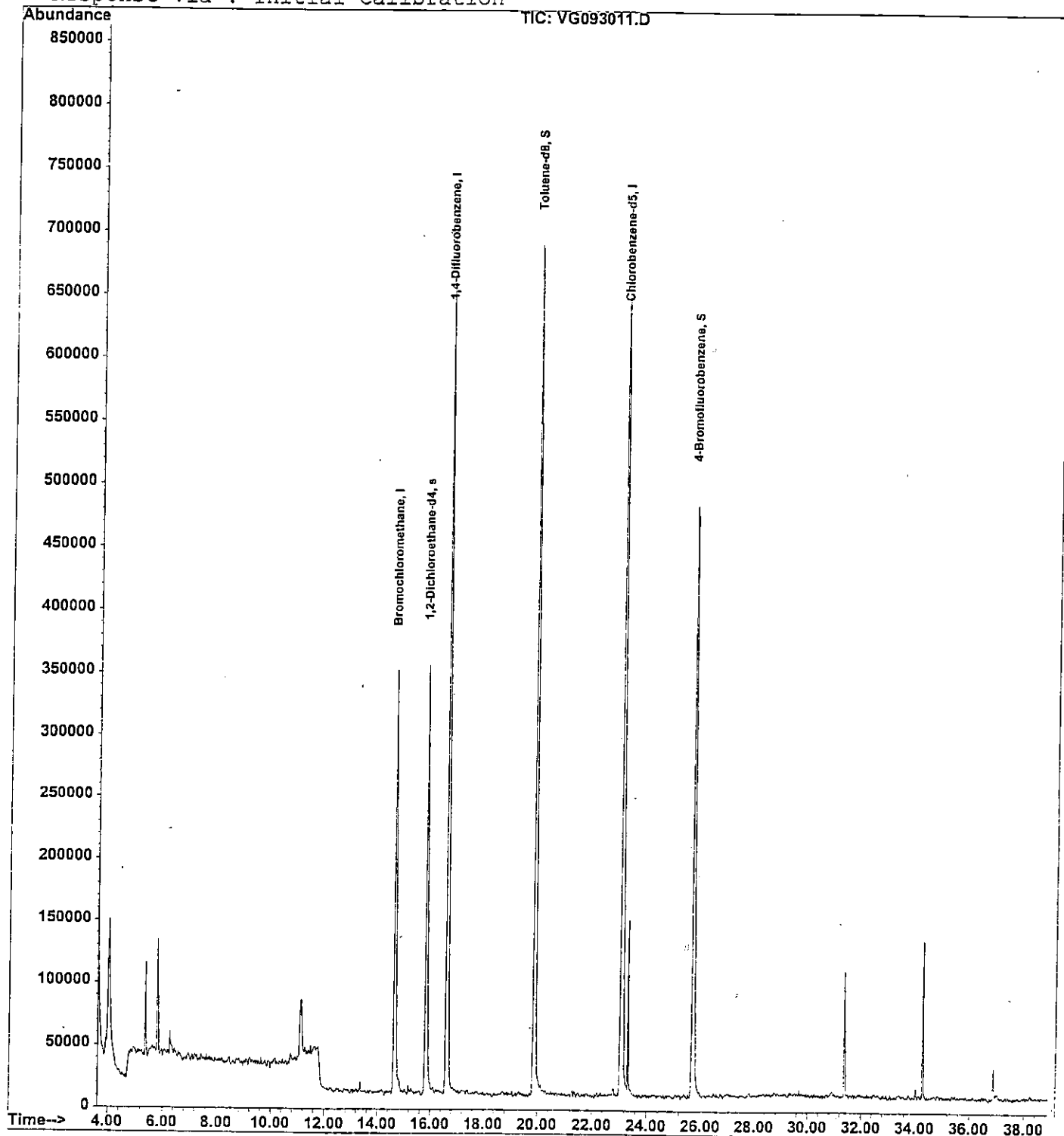
Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093011.D Vial: 11
 Acq On : 30 Sep 2001 10:13 pm Operator: BRIJ
 Sample : N5989-15-A Inst : voa3
 Misc : 5mL Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 16 13:00 19101

Quant Results File: 624G0930.RES

Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MSVOAG\VG093001\VG093011.D Vial: 11
 Acq On : 30 Sep 2001 10:13 pm Operator: BRIJ
 Sample : N5989-15-A Inst : voa3
 Misc : 5mL Multiplr: 1.00
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 16 13:00 19101

Quant Results File: 624G0930.RES

Quant Method : C:\HPCHEM\1\METHODS\VOAG\624G0930.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Oct 16 12:38:17 2001
 Response via : Initial Calibration
 DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.65	128	156440	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.64	114	905248	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.11	117	916080	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.84	65	639194	31.02	ug/l	0.00
Spiked Amount	30.000		Recovery	=	103.40%	
43) 4-Bromofluorobenzene	25.71	95	481691	29.98	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	99.93%	
46) Toluene-d8	19.90	98	1011446	30.27	ug/l	0.00
Spiked Amount	30.000		Recovery	=	100.90%	

Target Compounds

Qvalue

AMS
10/16

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-1

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF F Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092816.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	<u>ug/L</u>
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	3.7	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
75-69-4	Trichlorofluoromethane	1.5	U
110-75-8	2-Chloroethyl Vinyl Ether	1.5	U
95-50-1	1,2-Dichlorobenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U

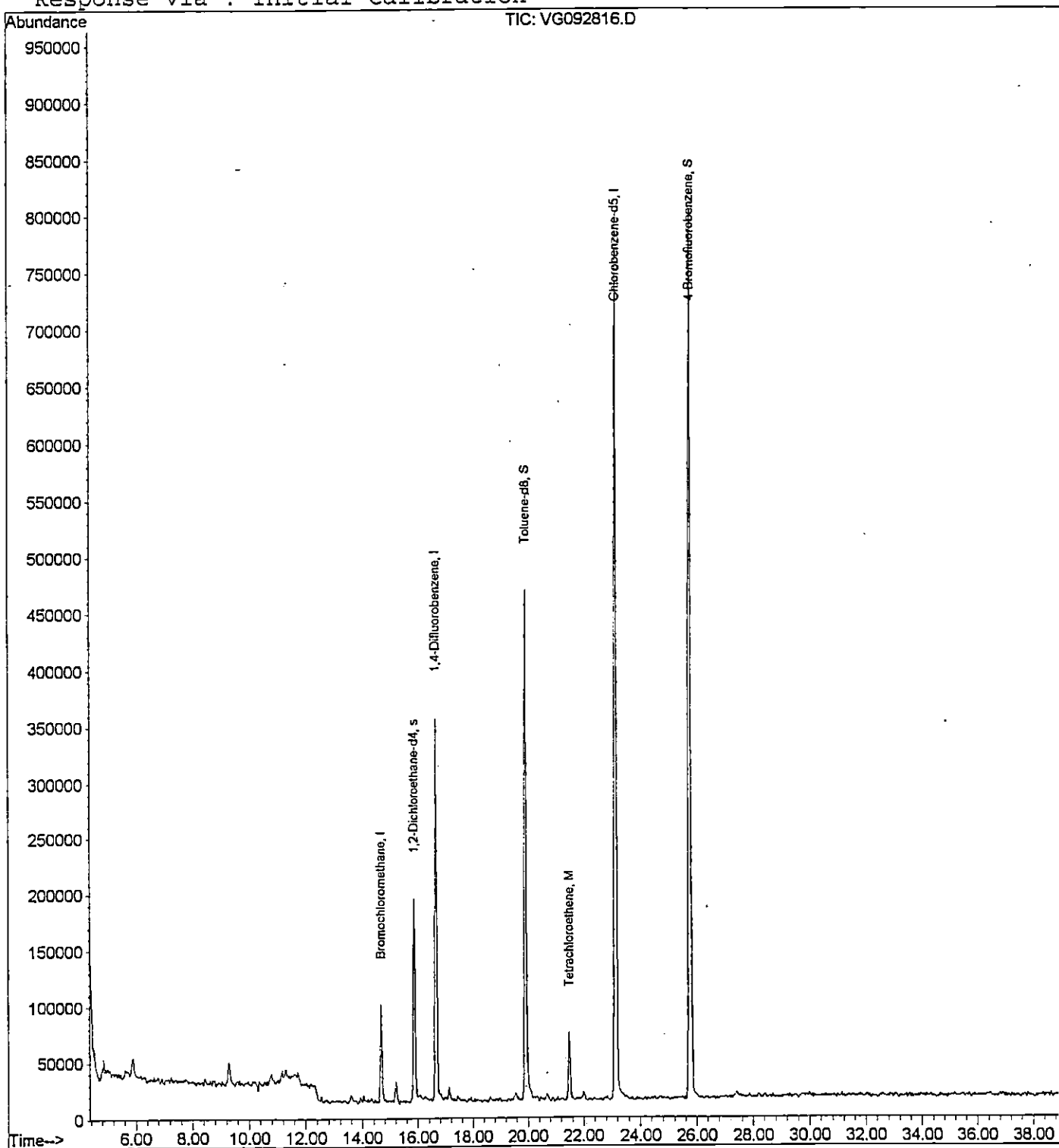
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092816.D
 Acq On : 29 Sep 2001 4:28 am
 Sample : N5946-01-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 2 13:24 2001

Vial: 16
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092816.D

Vial: 16

Acq On : 29 Sep 2001 4:28 am

Operator: BRIJ

Sample : N5946-01-A

Inst : voa3

Misc : 5mL

Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 2 13:24 2001

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Last Update : Sun Sep 30 16:24:01 2001

Response via : Initial Calibration

DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.69	128	45632	30.00	ug/l	-0.01
22) 1,4-Difluorobenzene	16.66	114	480382	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.12	117	1049003	30.00	ug/l	-0.02
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.87	65	358648	35.10	ug/l	0.00
Spiked Amount	30.000		Recovery	=	117.00%	
43) 4-Bromofluorobenzene	25.77	95	774876	30.30	ug/l	0.01
Spiked Amount	30.000		Recovery	=	101.00%	
46) Toluene-d8	19.93	98	720420	30.33	ug/l	0.00
Spiked Amount	30.000		Recovery	=	101.10%	
Target Compounds						
44) Tetrachloroethene	21.48	164	29414	3.66	ug/l	Qvalue 90

Ah
10/2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-2

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092817.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	6.9	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
75-69-4	Trichlorofluoromethane	1.5	U
110-75-8	2-Chloroethyl Vinyl Ether	1.5	U
95-50-1	1,2-Dichlorobenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U

FORM I VOA

3/90

35 + 36 cap 10/23/01

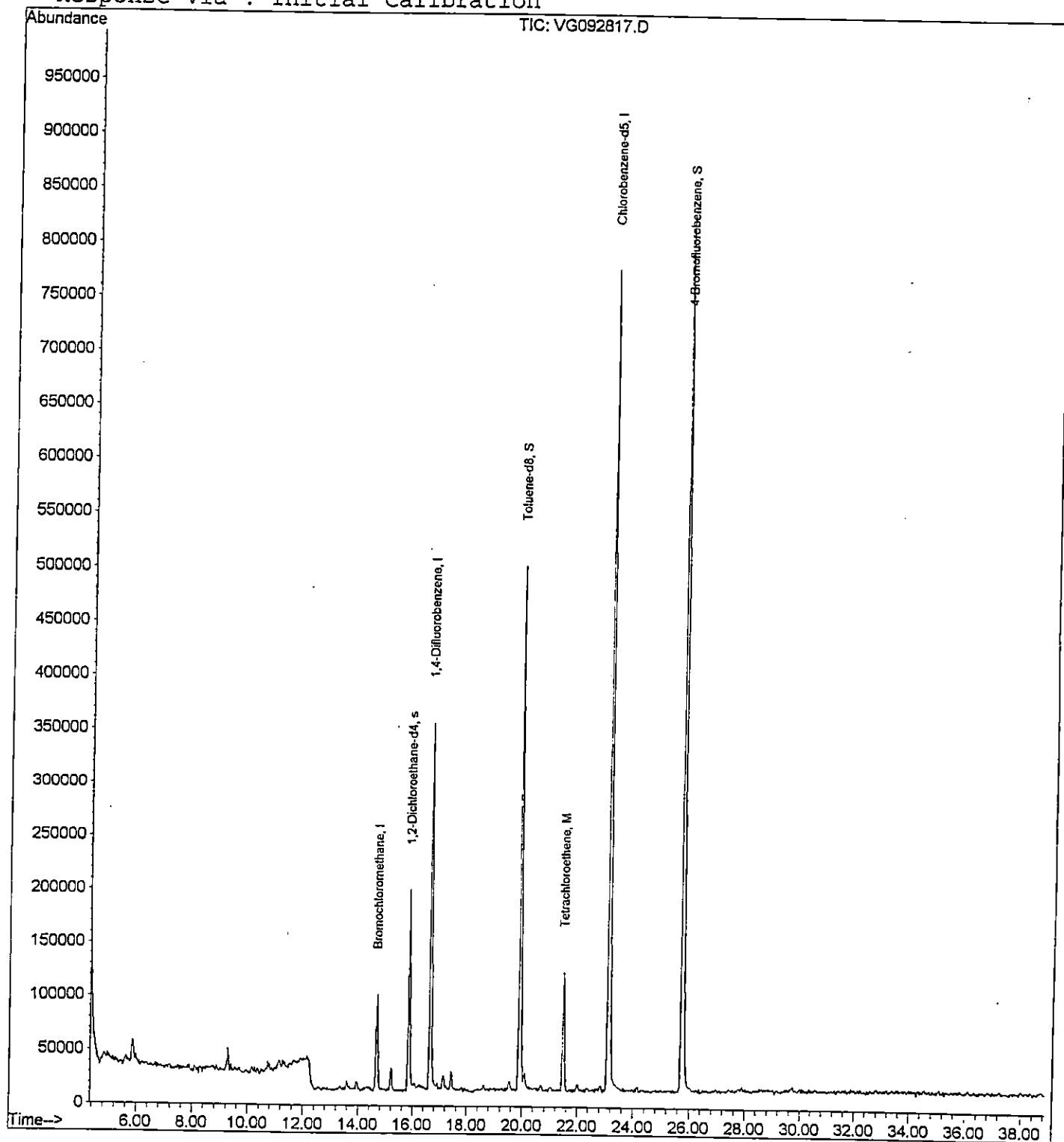
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092817.D
 Acq On : 29 Sep 2001 5:18 am
 Sample : N5946-02-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 2 13:27 2001

Vial: 17
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092817.D

Vial: 17

Acq On : 29 Sep 2001 5:18 am

Operator: BRIJ

Sample : N5946-02-A

Inst : voa3

Misc : 5mL

Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 2 13:27 2001

Quant Results File: 624G0928.RE

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Last Update : Sun Sep 30 16:24:01 2001

Response via : Initial Calibration

DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) Bromochloromethane	14.69	128	45549	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.66	114	474037	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.12	117	1052009	30.00	ug/l	-0.03
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.87	65	366726	35.95	ug/l	0.00
Spiked Amount	30.000		Recovery	=	119.83%	
43) 4-Bromofluorobenzene	25.77	95	799173	31.16	ug/l	0.00
Spiked Amount	30.000		Recovery	=	103.87%	
46) Toluene-d8	19.92	98	725919	30.47	ug/l	0.00
Spiked Amount	30.000		Recovery	=	101.57%	
Target Compounds						
44) Tetrachloroethene	21.48	164	55818	6.93	ug/l	Qvalue 93

MAS
10/02-----
(#) = qualifier out of range (m) = manual integration

VG092817.D 624G0928.M

Tue Oct 02 14:48:34 2001

5970_X

Page 1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-3

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 003

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092818.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	<u>ug/L</u>
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	3.4	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
75-69-4	Trichlorofluoromethane	1.5	U
110-75-8	2-Chloroethyl Vinyl Ether	1.5	U
95-50-1	1,2-Dichlorobenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U

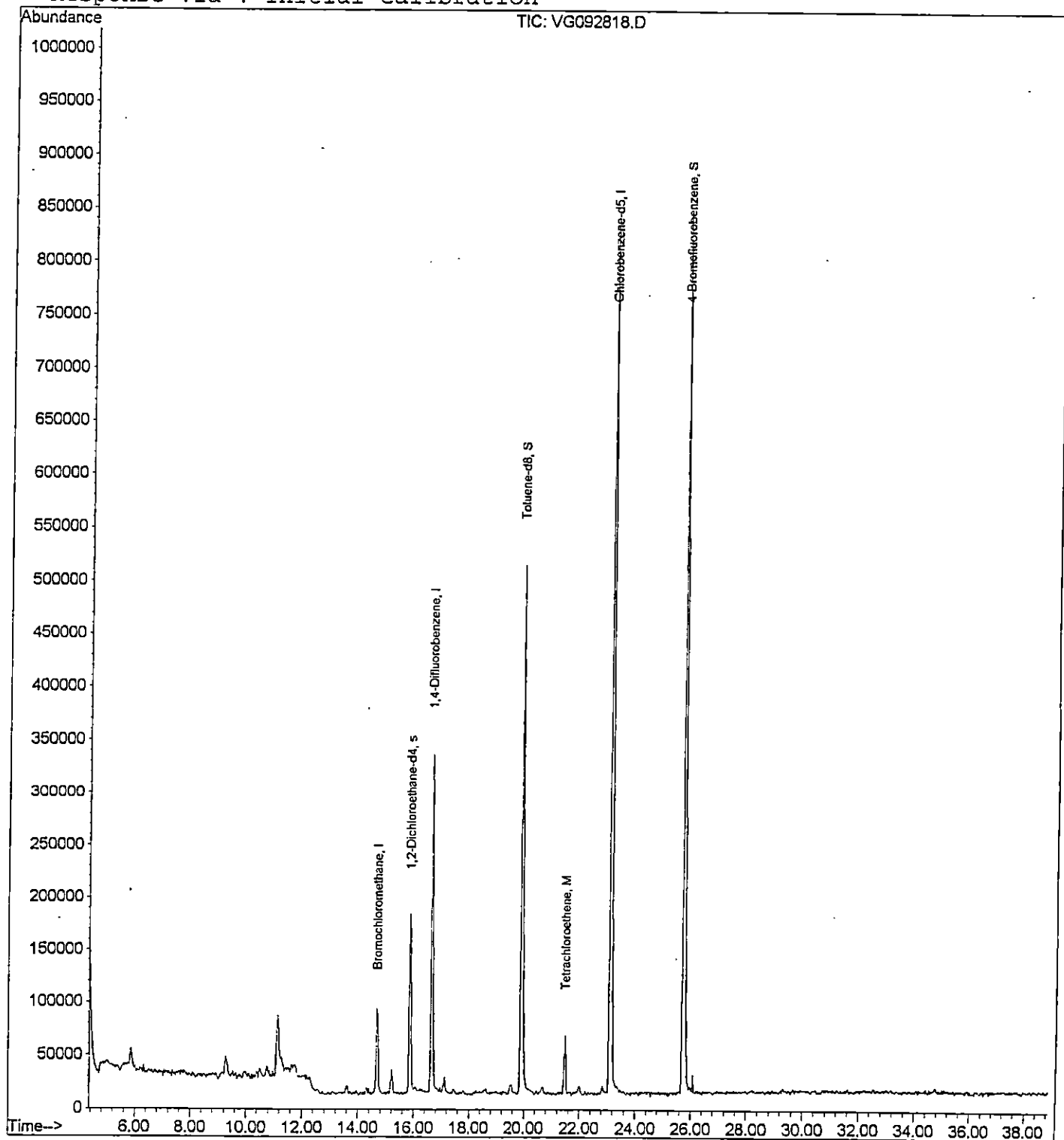
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092818.D
 Acq On : 29 Sep 2001 6:07 am
 Sample : N5946-03-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 2 13:31 2001

Vial: 18
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092818.D

Vial: 18

Acq On : 29 Sep 2001 6:07 am

Operator: BRIJ

Sample : N5946-03-A

Inst : voa3

Misc : 5mL

Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 2 13:31 2001

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Last Update : Sun Sep 30 16:24:01 2001

Response via : Initial Calibration

DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.70	128	44411	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.64	114	483437	30.00	ug/l	-0.02
40) Chlorobenzene-d5	23.12	117	1054714	30.00	ug/l	-0.02
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.85	65	353152	35.51	ug/l	-0.03
Spiked Amount	30.000		Recovery	=	118.37%	
43) 4-Bromofluorobenzene	25.74	95	801443	31.17	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	103.90%	
46) Toluene-d8	19.91	98	709350	29.70	ug/l	-0.01
Spiked Amount	30.000		Recovery	=	99.00%	
Target Compounds						
44) Tetrachloroethene	21.49	164	27554	3.41	ug/l	Qvalue 95

13/3
10/02-----
(#) = qualifier out of range (m) = manual integration

VG092818.D 624G0928.M

Tue Oct 02 14:49:03 2001

5970_X

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-4

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 004

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092819.D

Level: (low/med) _____

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	3.4	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
75-69-4	Trichlorofluoromethane	1.5	U
110-75-8	2-Chloroethyl Vinyl Ether	1.5	U
95-50-1	1,2-Dichlorobenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U

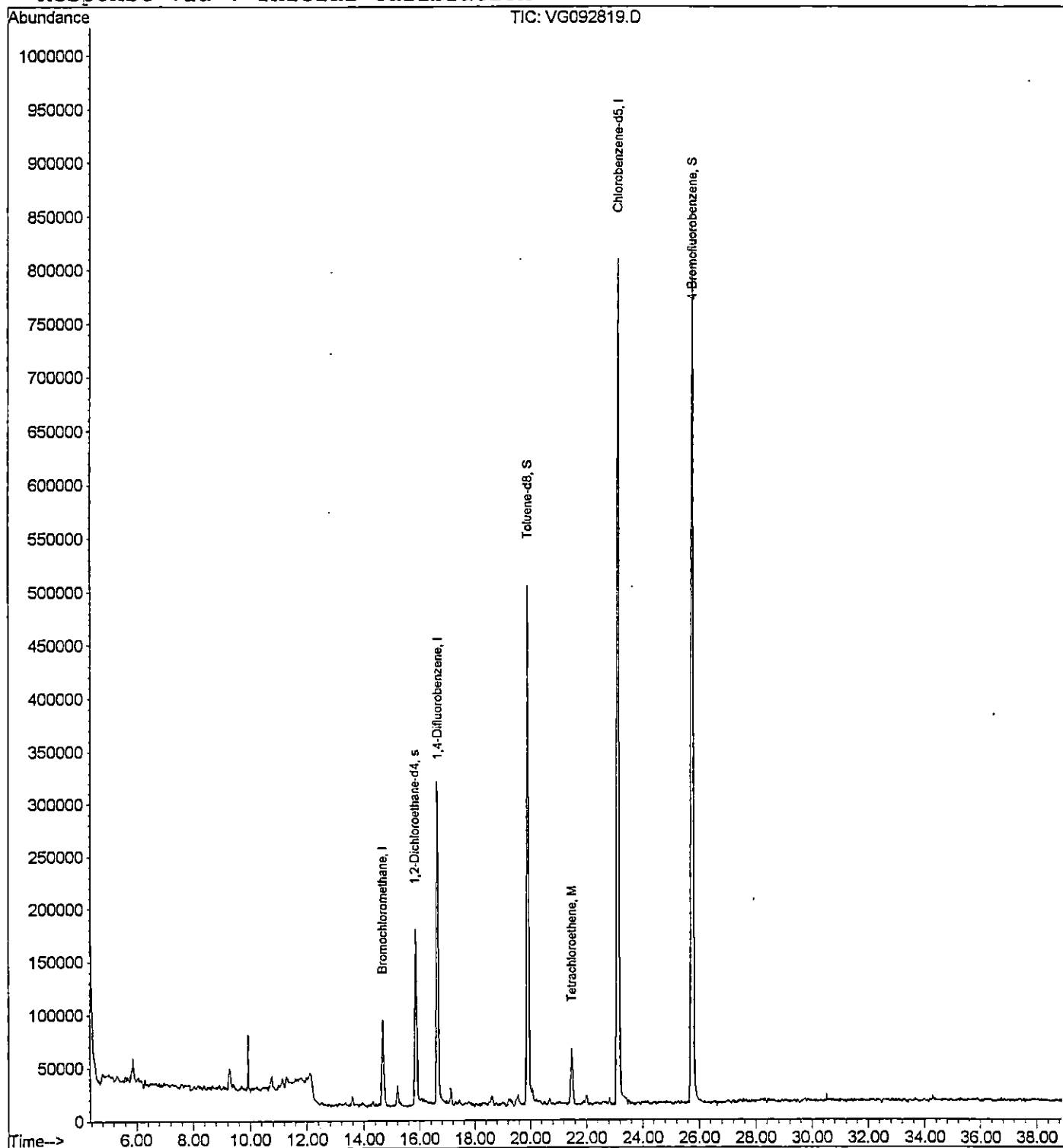
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092819.D
 Acq On : 29 Sep 2001 6:57 am
 Sample : N5946-04-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 2 13:34 2001

Vial: 19
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092819.D

Vial: 19

Acq On : 29 Sep 2001 6:57 am

Operator: BRIJ

Sample : N5946-04-A

Inst : voa3

Misc : 5mL

Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 2 13:34 2001

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Last Update : Sun Sep 30 16:24:01 2001

Response via : Initial Calibration

DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.69	128	43898	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.67	114	461781	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.13	117	990012	30.00	ug/l	-0.02
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.85	65	348999	35.50	ug/l	-0.03
Spiked Amount	30.000		Recovery	=	118.33%	
43) 4-Bromofluorobenzene	25.75	95	782085	32.40	ug/l	-0.01
Spiked Amount	30.000		Recovery	=	108.00%	
46) Toluene-d8	19.91	98	695592	31.03	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	103.43%	
Target Compounds						
44) Tetrachloroethene	21.49	164	25714	3.39	ug/l	Qvalue 96

AS
10/02

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-5

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O05

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092820.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	<u>ug/L</u>
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	0.3	U
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
75-69-4	Trichlorofluoromethane	1.5	U
110-75-8	2-Chloroethyl Vinyl Ether	1.5	U
95-50-1	1,2-Dichlorobenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U

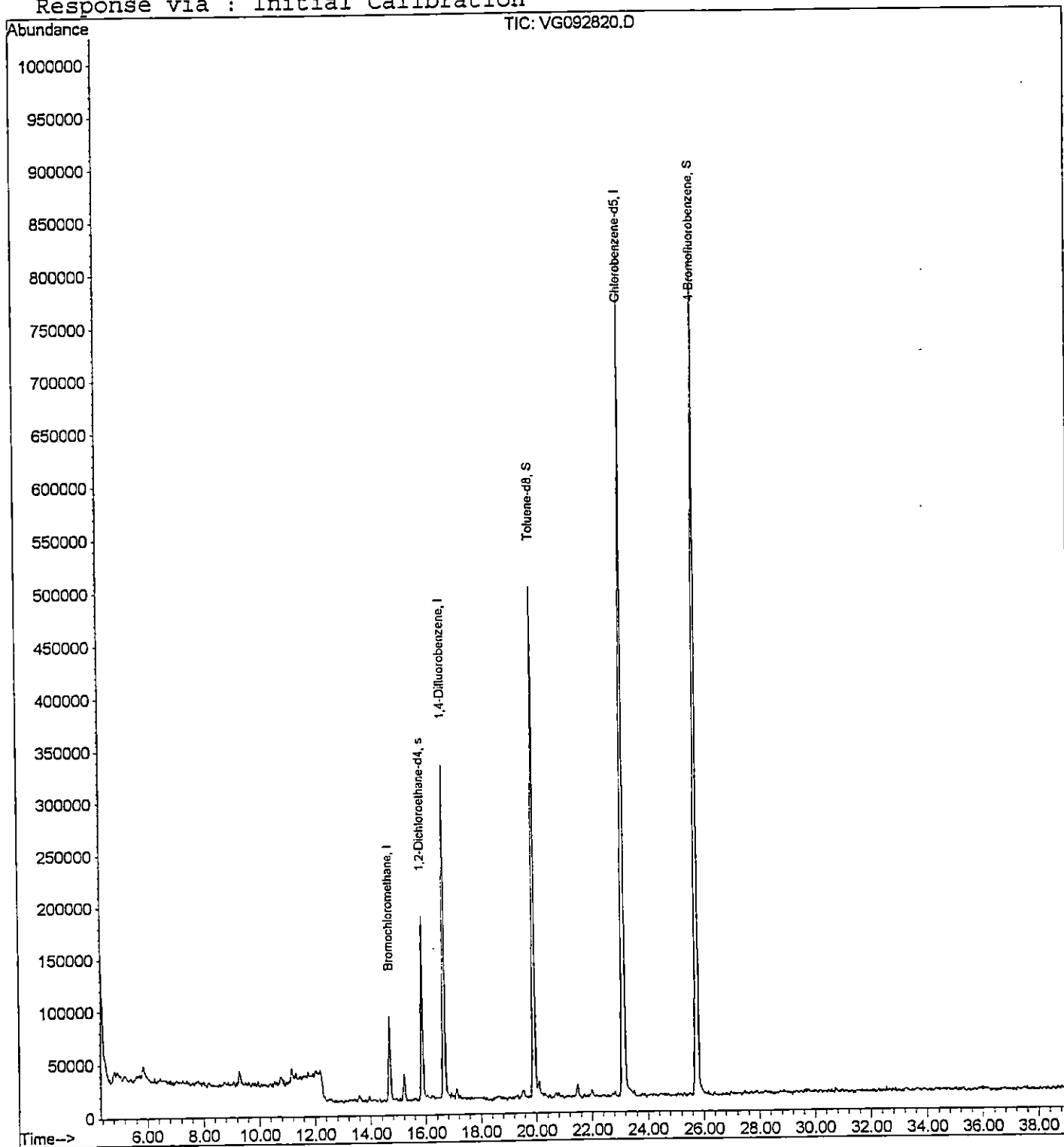
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092820.D
 Acq On : 29 Sep 2001 7:46 am
 Sample : N5946-05-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 1 15:09 2001

Vial: 20
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092820.D
Acq On : 29 Sep 2001 7:46 am
Sample : N5946-05-A
Misc : 5mL
MS Integration Params: RTEINT3.P
Quant Time: Oct 1 15:09 2001

Vial: 20
Operator: BRIJ
Inst : voa3
Multiplr: 1.00

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sun Sep 30 16:24:01 2001
Response via : Initial Calibration
DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.69	128	44974	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.66	114	466648	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.12	117	1017051	30.00	ug/l	-0.02
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.87	65	346928	34.45	ug/l	0.00
Spiked Amount	30.000		Recovery	=	114.83%	
43) 4-Bromofluorobenzene	25.74	95	785263	31.67	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	105.57%	
46) Toluene-d8	19.90	98	683389	29.67	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	98.90%	

Target Compounds

Qvalue

BA
10/02

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-6

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: 006

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092821.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	<u>ug/L</u>	
74-87-3	Chloromethane	1.1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	0.6		U
75-00-3	Chloroethane	0.7		U
75-35-4	1,1-Dichloroethene	0.4		U
75-09-2	Methylene Chloride	0.4		U
156-60-5	trans-1,2-Dichloroethene	0.4		U
75-34-3	1,1-Dichloroethane	0.2		U
67-66-3	Chloroform	0.3		U
71-55-6	1,1,1-Trichloroethane	0.3		U
56-23-5	Carbon Tetrachloride	0.3		U
71-43-2	Benzene	0.3		U
107-06-2	1,2-Dichloroethane	0.3		U
79-01-6	Trichloroethene	0.4		U
78-87-5	1,2-Dichloropropane	0.4		U
75-27-4	Bromodichloromethane	0.3		U
10061-02-6	t-1,3-Dichloropropene	0.2		U
108-88-3	Toluene	0.3		U
10061-01-5	cis-1,3-Dichloropropene	0.3		U
79-00-5	1,1,2-Trichloroethane	0.3		U
127-18-4	Tetrachloroethene	0.3		U
124-48-1	Dibromochloromethane	0.3		U
108-90-7	Chlorobenzene	0.2		U
100-41-4	Ethyl Benzene	0.4		U
75-25-2	Bromoform	0.3		U
79-34-5	1,1,2,2-Tetrachloroethane	0.3		U
75-69-4	Trichlorofluoromethane	1.5		U
110-75-8	2-Chloroethyl Vinyl Ether	1.5		U
95-50-1	1,2-Dichlorobenzene	0.2		U
541-73-1	1,3-Dichlorobenzene	0.4		U
106-46-7	1,4-Dichlorobenzene	0.3		U

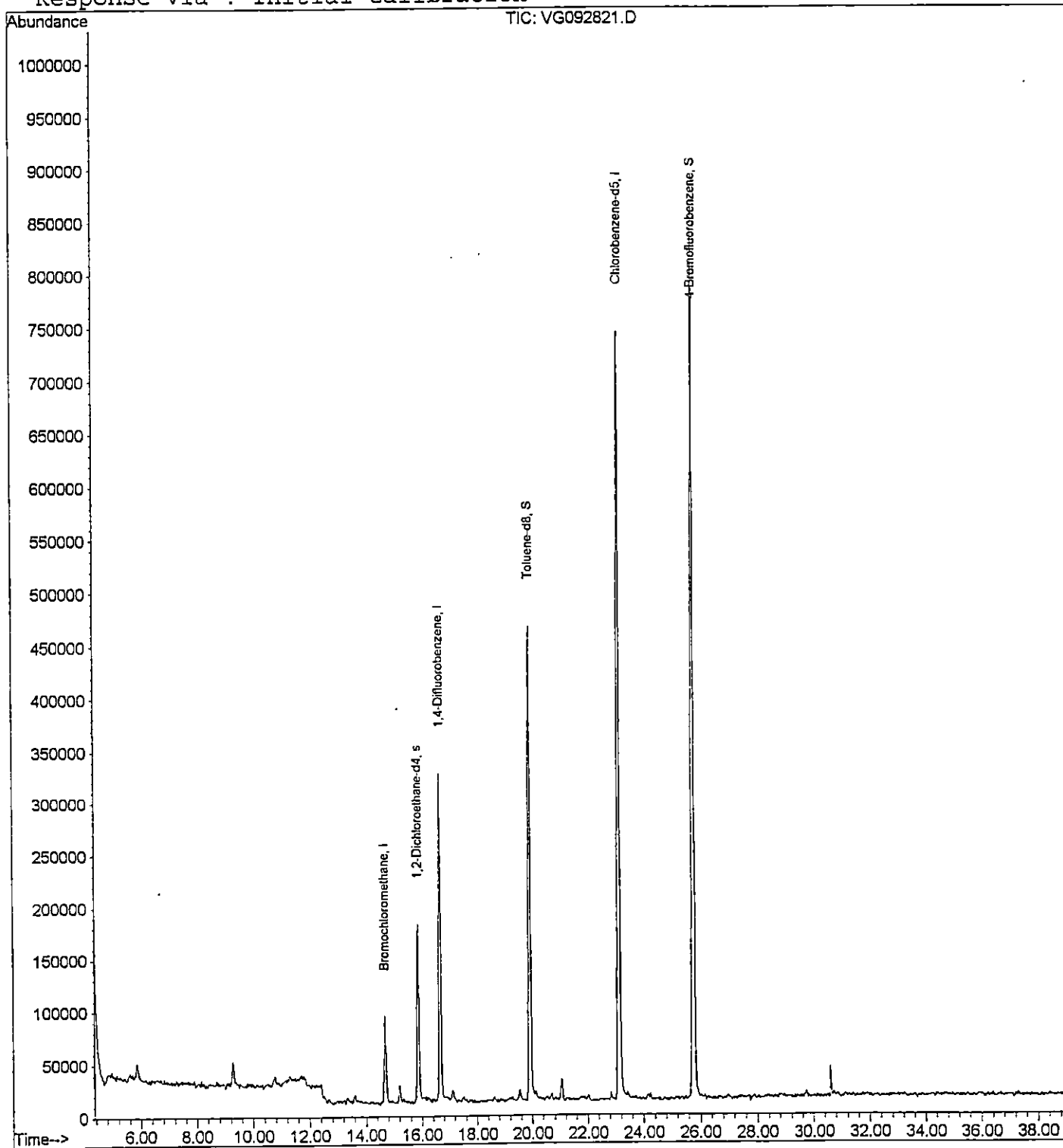
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092821.D
 Acq On : 29 Sep 2001 8:35 am
 Sample : N5946-06-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 2 14:51 2001

Vial: 21
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092821.D

Vial: 21

Acq On : 29 Sep 2001 8:35 am

Operator: BRIJ

Sample : N5946-06-A

Inst : voa3

Misc : 5mL

Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 2 14:51 2001

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Last Update : Sun Sep 30 16:24:01 2001

Response via : Initial Calibration

DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.68	128	45063	30.00	ug/l	-0.01
22) 1,4-Difluorobenzene	16.66	114	479005	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.13	117	1025233	30.00	ug/l	0.00

System Monitoring Compounds

20) 1,2-Dichloroethane-d4	15.87	65	345616	34.25	ug/l	-0.01
Spiked Amount	30.000		Recovery	=	114.17%	
43) 4-Bromofluorobenzene	25.76	95	803585	32.15	ug/l	0.00
Spiked Amount	30.000		Recovery	=	107.17%	
46) Toluene-d8	19.92	98	695189	29.94	ug/l	0.00
Spiked Amount	30.000		Recovery	=	99.80%	

Target Compounds

Qvalue

15/10/02-----
(#) = qualifier out of range (m) = manual integration

VG092821.D 624G0928.M

Tue Oct 02 14:51:26 2001

5970_X

Page 1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-7

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF F Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O07

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092822.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	<u>ug/L</u>	
74-87-3	Chloromethane	1.1		U
75-01-4	Vinyl Chloride	1		U
74-83-9	Bromomethane	0.6		U
75-00-3	Chloroethane	0.7		U
75-35-4	1,1-Dichloroethene	0.4		U
75-09-2	Methylene Chloride	0.4		U
156-60-5	trans-1,2-Dichloroethene	0.4		U
75-34-3	1,1-Dichloroethane	0.2		U
67-66-3	Chloroform	0.3		U
71-55-6	1,1,1-Trichloroethane	0.3		U
56-23-5	Carbon Tetrachloride	0.3		U
71-43-2	Benzene	0.3		U
107-06-2	1,2-Dichloroethane	0.3		U
79-01-6	Trichloroethene	0.4		U
78-87-5	1,2-Dichloropropane	0.4		U
75-27-4	Bromodichloromethane	0.3		U
10061-02-6	1,1,3-Dichloropropene	0.2		U
108-88-3	Toluene	0.3		U
10061-01-5	cis-1,3-Dichloropropene	0.3		U
79-00-5	1,1,2-Trichloroethane	0.3		U
127-18-4	Tetrachloroethene	0.3		U
124-48-1	Dibromochloromethane	0.3		U
108-90-7	Chlorobenzene	0.2		U
100-41-4	Ethyl Benzene	0.4		U
75-25-2	Bromoform	0.3		U
79-34-5	1,1,2,2-Tetrachloroethane	0.3		U
75-69-4	Trichlorofluoromethane	1.5		U
110-75-8	2-Chloroethyl Vinyl Ether	1.5		U
95-50-1	1,2-Dichlorobenzene	0.2		U
541-73-1	1,3-Dichlorobenzene	0.4		U
106-46-7	1,4-Dichlorobenzene	0.3		U

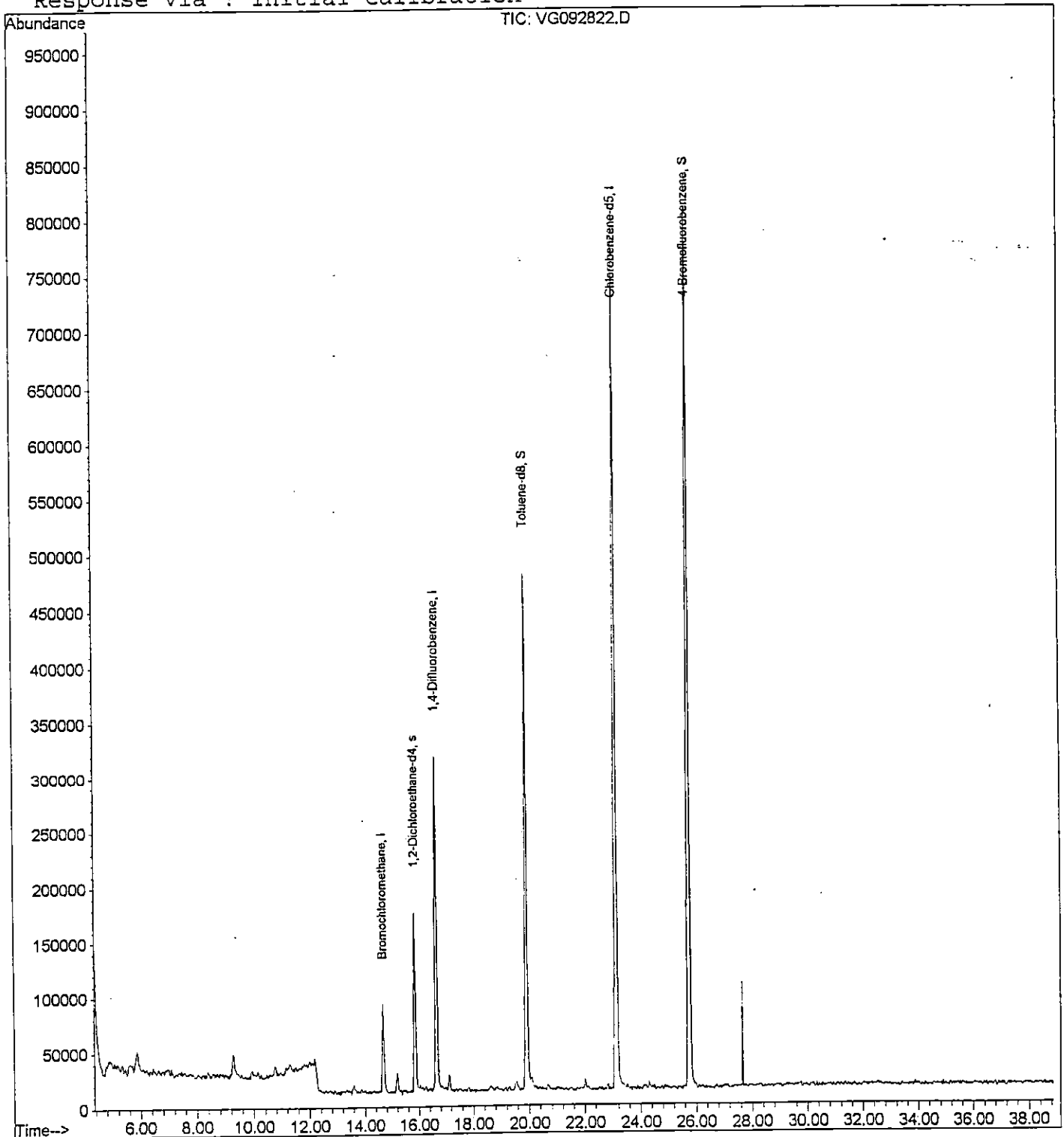
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092822.D
 Acq On : 29 Sep 2001 9:24 am
 Sample : N5946-07-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 1 15:13 2001

Vial: 22
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092822.D
Acq On : 29 Sep 2001 9:24 am
Sample : N5946-07-A
Misc : 5mL
MS Integration Params: RTEINT3.P
Quant Time: Oct 1 15:13 2001

Vial: 22
Operator: BRIJ
Inst : voa3
Multiplr: 1.00

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sun Sep 30 16:24:01 2001
Response via : Initial Calibration
DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.68	128	42690	30.00	ug/l	-0.01
22) 1,4-Difluorobenzene	16.66	114	457434	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.11	117	1016685	30.00	ug/l	-0.03
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.87	65	332075	34.74	ug/l	0.00
Spiked Amount	30.000		Recovery	=	115.80%	
43) 4-Bromofluorobenzene	25.74	95	782754	31.58	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	105.27%	
46) Toluene-d8	19.90	98	663740	28.83	ug/l	-0.03
Spiked Amount	30.000		Recovery	=	96.10%	

Target Compounds

Qvalue

MAJ
10/6/01

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SW-8

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O08

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092823.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	<u>ug/L</u>
			Q
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	0.6	U
75-00-3	Chloroethane	0.7	U
75-35-4	1,1-Dichloroethene	0.4	U
75-09-2	Methylene Chloride	0.4	U
156-60-5	trans-1,2-Dichloroethene	0.4	U
75-34-3	1,1-Dichloroethane	0.2	U
67-66-3	Chloroform	0.3	U
71-55-6	1,1,1-Trichloroethane	0.3	U
56-23-5	Carbon Tetrachloride	0.3	U
71-43-2	Benzene	0.3	U
107-06-2	1,2-Dichloroethane	0.3	U
79-01-6	Trichloroethene	0.4	U
78-87-5	1,2-Dichloropropane	0.4	U
75-27-4	Bromodichloromethane	0.3	U
10061-02-6	t-1,3-Dichloropropene	0.2	U
108-88-3	Toluene	0.3	U
10061-01-5	cis-1,3-Dichloropropene	0.3	U
79-00-5	1,1,2-Trichloroethane	0.3	U
127-18-4	Tetrachloroethene	6.4	
124-48-1	Dibromochloromethane	0.3	U
108-90-7	Chlorobenzene	0.2	U
100-41-4	Ethyl Benzene	0.4	U
75-25-2	Bromoform	0.3	U
79-34-5	1,1,2,2-Tetrachloroethane	0.3	U
75-69-4	Trichlorofluoromethane	1.5	U
110-75-8	2-Chloroethyl Vinyl Ether	1.5	U
95-50-1	1,2-Dichlorobenzene	0.2	U
541-73-1	1,3-Dichlorobenzene	0.4	U
106-46-7	1,4-Dichlorobenzene	0.3	U

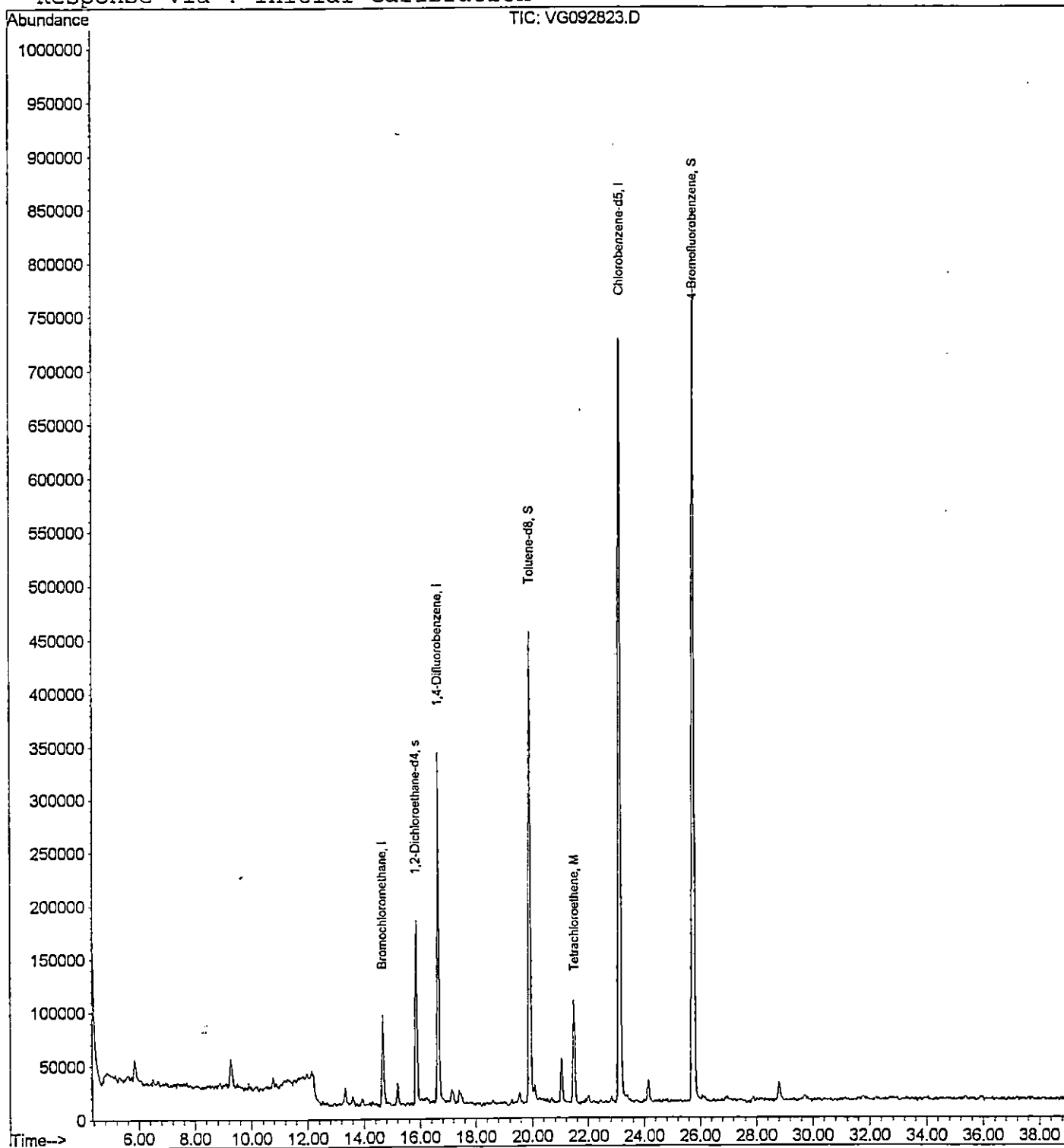
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092823.D
 Acq On : 29 Sep 2001 10:15 am
 Sample : N5946-08-A
 Misc : 5mL
 MS Integration Params: RTEINT3.P
 Quant Time: Oct 2 14:52 2001

Vial: 23
 Operator: BRIJ
 Inst : voa3
 Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Oct 01 09:49:00 2001
 Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092823.D
Acq On : 29 Sep 2001 10:15 am
Sample : N5946-08-A
Misc : 5mL
MS Integration Params: RTEINT3.P
Quant Time: Oct 2 14:52 2001

Vial: 23
Operator: BRIJ
Inst : voa3
Multiplr: 1.00

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Sun Sep 30 16:24:01 2001
Response via : Initial Calibration
DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.67	128	45213	30.00	ug/l	-0.02
22) 1,4-Difluorobenzene	16.64	114	441830	30.00	ug/l	-0.02
40) Chlorobenzene-d5	23.13	117	1007544	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.86	65	335268	33.11	ug/l	-0.02
Spiked Amount	30.000		Recovery	=	110.37%	
43) 4-Bromofluorobenzene	25.75	95	773141	31.47	ug/l	0.00
Spiked Amount	30.000		Recovery	=	104.90%	
46) Toluene-d8	19.92	98	684377	30.00	ug/l	-0.01
Spiked Amount	30.000		Recovery	=	100.00%	
Target Compounds						
44) Tetrachloroethene	21.50	164	49715	6.44	ug/l	Qvalue 94

BA3
10/2

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-SW

Lab Name: CHEMTECH

Contract: R&C FORMATION LTD.

Project No.: N5946

Site: TOWN OF Location: LB16598

Group: 5970-VOA

Matrix: (soil/water) WATER

Lab Sample ID: O11

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: VG092815.D

Level: (low/med)

Date Received: 9/21/01

% Moisture: not dec. 100

Date Analyzed: 9/29/01

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane		1.1	U
75-01-4	Vinyl Chloride		1	U
74-83-9	Bromomethane		0.6	U
75-00-3	Chloroethane		0.7	U
75-35-4	1,1-Dichloroethene		0.4	U
75-09-2	Methylene Chloride		0.4	U
156-60-5	trans-1,2-Dichloroethene		0.4	U
75-34-3	1,1-Dichloroethane		0.2	U
67-66-3	Chloroform		0.3	U
71-55-6	1,1,1-Trichloroethane		0.3	U
56-23-5	Carbon Tetrachloride		0.3	U
71-43-2	Benzene		0.3	U
107-06-2	1,2-Dichloroethane		0.3	U
79-01-6	Trichloroethene		0.4	U
78-87-5	1,2-Dichloropropane		0.4	U
75-27-4	Bromodichloromethane		0.3	U
10061-02-6	t-1,3-Dichloropropene		0.2	U
108-88-3	Toluene		0.3	U
10061-01-5	cis-1,3-Dichloropropene		0.3	U
79-00-5	1,1,2-Trichloroethane		0.3	U
127-18-4	Tetrachloroethene		0.3	U
124-48-1	Dibromochloromethane		0.3	U
108-90-7	Chlorobenzene		0.2	U
100-41-4	Ethyl Benzene		0.4	U
75-25-2	Bromoform		0.3	U
79-34-5	1,1,2,2-Tetrachloroethane		0.3	U
75-69-4	Trichlorofluoromethane		1.5	U
110-75-8	2-Chloroethyl Vinyl Ether		1.5	U
95-50-1	1,2-Dichlorobenzene		0.2	U
541-73-1	1,3-Dichlorobenzene		0.4	U
106-46-7	1,4-Dichlorobenzene		0.3	U

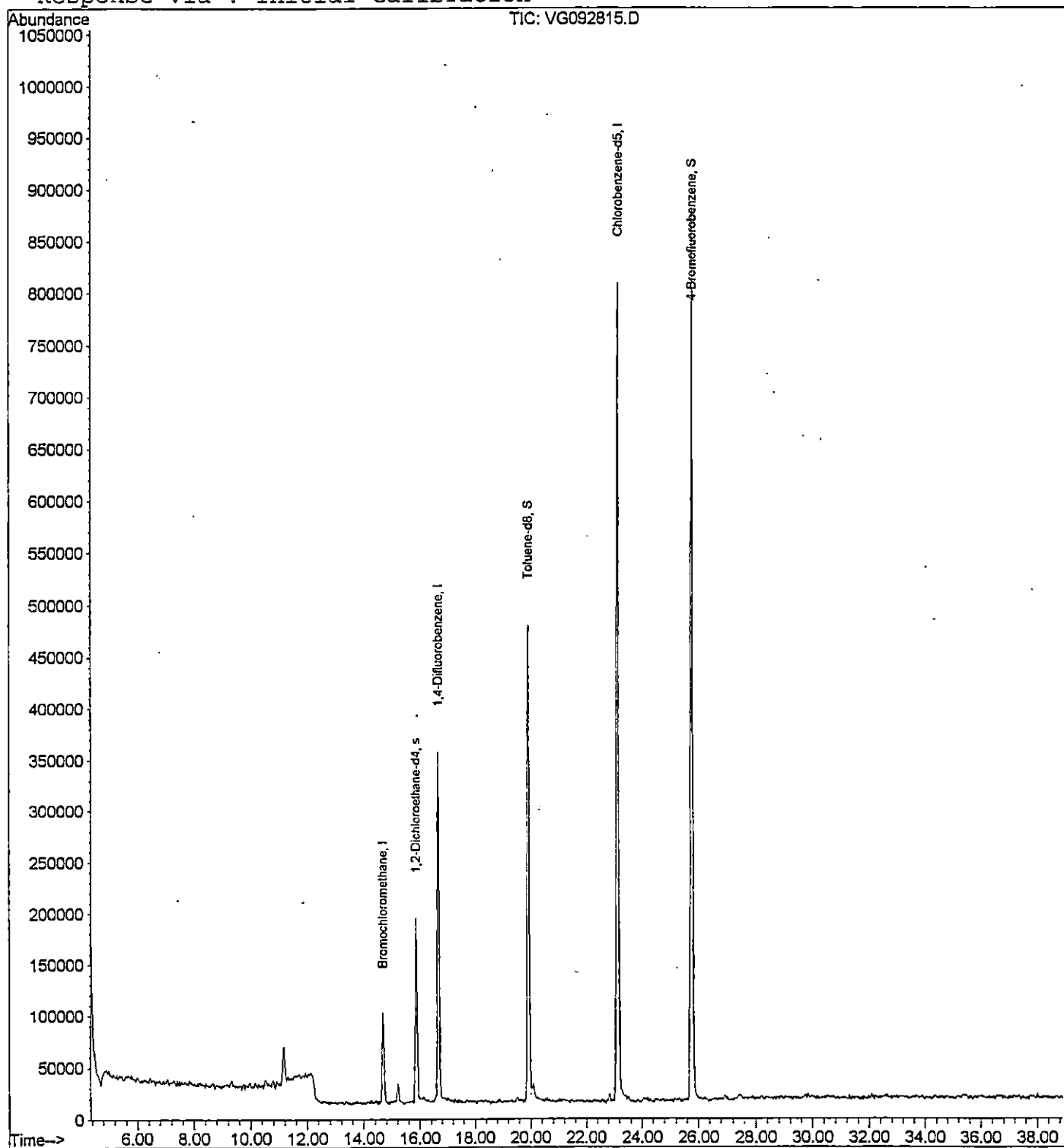
Quantitation Report

Data File : I:\1\DATA\MSVOAG\VG092801\VG092815.D
Acq On : 29 Sep 2001 3:39 am
Sample : N5946-11-A
Misc : 5mL
MS Integration Params: RTEINT3.P
Quant Time: Oct 1 15:01 2001

Vial: 15
Operator: BRIJ
Inst : voa3
Multiplr: 1.00

Quant Results File: 624G0928.RES

Method : I:\1\METHODS\VOAG\624G0928.M (RTE Integrator)
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Mon Oct 01 09:49:00 2001
Response via : Initial Calibration



Data File : I:\1\DATA\MSVOAG\VG092801\VG092815.D

Vial: 15

Acq On : 29 Sep 2001 3:39 am

Operator: BRIJ

Sample : N5946-11-A

Inst : voa3

Misc : 5mL

Multiplr: 1.00

MS Integration Params: RTEINT3.P

Quant Time: Oct 1 15:01 2001

Quant Results File: 624G0928.RES

Quant Method : F:\1\METHODS\VOAG\624G0928.M (RTE Integrator)

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Last Update : Sun Sep 30 16:24:01 2001

Response via : Initial Calibration

DataAcq Meth : V3_VOA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	14.69	128	46653	30.00	ug/l	0.00
22) 1,4-Difluorobenzene	16.66	114	494404	30.00	ug/l	0.00
40) Chlorobenzene-d5	23.14	117	1071453	30.00	ug/l	0.00
System Monitoring Compounds						
20) 1,2-Dichloroethane-d4	15.88	65	350303	33.53	ug/l	0.00
Spiked Amount	30.000		Recovery	=	111.77%	
43) 4-Bromofluorobenzene	25.76	95	805938	30.85	ug/l	0.00
Spiked Amount	30.000		Recovery	=	102.83%	
46) Toluene-d8	19.93	98	719402	29.65	ug/l	0.00
Spiked Amount	30.000		Recovery	=	98.83%	

Target Compounds

Qvalue

AA
10/02-----
(#) = qualifier out of range (m) = manual integration

VG092815.D 624G0928.M

Tue Oct 02 14:47:59 2001

5970_X

Page 1

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CHEMTECH

METALS

DATA

CHEMTECH

METALS
SAMPLE
DATA

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW1-S

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-01 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	71.0			P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	19300			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	5080			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	27600			P
7439-97-6	Mercury	0.25			CV
7440-09-7	Potassium	133000			P
7440-23-5	Sodium	336000		E	P

Color Before: COLORLESS

Clarity Before: CLOUDY

Texture:

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CW1-M

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-02 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	70.4			P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	20000			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	13900			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	20300			P
7439-97-6	Mercury	0.20	U		CV
7440-09-7	Potassium	59700		E	P
7440-23-5	Sodium	119000		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

CW4-S

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-03 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	202	-		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.3	B		P
7440-70-2	Calcium	12600			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	2210			P
7439-92-1	Lead	14.9			P
7439-95-4	Magnesium	2400	B		P
7439-97-6	Mercury	0.20	U		CV
7440-09-7	Potassium	5080		E	P
7440-23-5	Sodium	8520		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

CW4-M

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-04 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	21400			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	18.3	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	8280			P
7439-97-6	Mercury	0.20	U		CV
7440-09-7	Potassium	1170	B	E	P
7440-23-5	Sodium	10600		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EN1-M

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-05 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	26200			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	29.2	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	9810			P
7439-97-6	Mercury	0.20	U		CV
7440-09-7	Potassium	1270	B	E	P
7440-23-5	Sodium	15200		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

EN6-S

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-06 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	217	-		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	14100			P
7440-47-3	Chromium	41.3			P
7439-89-6	Iron	1280			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	6560			P
7439-97-6	Mercury	0.20	U		CV
7440-09-7	Potassium	1570	B	E	P
7440-23-5	Sodium	28100		E	P

Color Before: COLORLESS

Clarity Before: CLOUDY

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO. .

INORGANIC ANALYSIS DATA SHEET

EN6-M

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-07 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	77400			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	20.1	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	25600			P
7439-97-6	Mercury	0.20	U		CV
7440-09-7	Potassium	3800	B	E	P
7440-23-5	Sodium	72300		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EN7-M

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-08 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	86200			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	7.0	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	36000			P
7439-97-6	Mercury	0.32			CV
7440-09-7	Potassium	4900	B	E	P
7440-23-5	Sodium	252000		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

EN9-M

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-09 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	20900			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	7.0	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	9420			P
7439-97-6	Mercury	0.27			CV
7440-09-7	Potassium	1700	B	E	P
7440-23-5	Sodium	30100		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

EN10-M

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-10 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	5.0	U		P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	21500			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	16.4	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	8120			P
7439-97-6	Mercury	0.20	U		CV
7440-09-7	Potassium	1110	B	E	P
7440-23-5	Sodium	13500		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

GW-B

Lab Name: CHEMTECH MOUNTAINSIDE

Contract: 68-W00-088

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: N5989

Matrix (soil/water): WATER

Lab Sample ID: N5989-13 S

Level (low/med): LOW

Date Received: 09/26/01

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.7	U		P
7440-38-2	Arsenic	63.1			P
7440-43-9	Cadmium	3.0	U		P
7440-70-2	Calcium	19000			P
7440-47-3	Chromium	5.0	U		P
7439-89-6	Iron	12900			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	19400			P
7439-97-6	Mercury	0.22			CV
7440-09-7	Potassium	62500			P
7440-23-5	Sodium	123000		E	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

CHEMTECH

GENERAL
CHEMISTRY
DATA

CLIENT: R&C Formation Ltd.

ATTN: Bob Casson

LAB RECEIVING #: N5989

Analysis Meth.: 310.1

Matrix:
Unit:Water
mg/LAnalyzed:
Analyst:10/2/01
heena

Lab Sample ID:

N5989-01

N5989-02

N5989-03

N5989-04

Client Sample ID: Method Blank
D.F.:CW1-S
1CW1-M
1CW4-S
1CW4-M
1Detection
Limit**COMPOUNDS:**Alkalinity as CaCO₃

<2.0

1500

410

49

44

2

Lab Sample ID:

N5989-05

N5989-06

N5989-07

N5989-08

Client Sample ID: Method Blank
D.F.:EN1-M
1EN6-S
1EN6-M
1EN7-M
1Detection
Limit**COMPOUNDS:**Alkalinity as CaCO₃

<2.0

34

24

150

220

2

Lab Sample ID:

N5989-09

N5989-10

N5989-11

N5989-12

Client Sample ID: Method Blank
D.F.:EN9-M
1EN10-M
1EN7-M(MS)
1EN7-M(MSD)
1Detection
Limit**COMPOUNDS:**Alkalinity as CaCO₃

<2.0

45

28

270

220

2

Lab Sample ID:

N5989-13

Client Sample ID: Method Blank
D.F.:GW-B
1Detection
Limit**COMPOUNDS:**Alkalinity as CaCO₃

<2.0

600

2

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LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #: N5989

Analysis Meth.: 310.1

Matrix:
Unit:

Water
mg/L

Analyzed:
Analyst:

10/2/01
heena

	Lab Sample ID:		N5989-01	N5989-02	N5989-03	N5989-04	
COMPOUNDS:	Client Sample ID:	Method Blank	CW1-S	CW1-M	CW4-S	CW4-M	Detection Limit
	D.F.:		1	1	1	1	
	Bicarbonate	<2.0	1500	410	49	44	2

	Lab Sample ID:		N5989-05	N5989-06	N5989-07	N5989-08	
COMPOUNDS:	Client Sample ID:	Method Blank	EN1-M	EN6-S	EN6-M	EN7-M	Detection Limit
	D.F.:		1	1	1	1	
	icarbonate	<2.0	34	24	150	220	2

	Lab Sample ID:		N5989-09	N5989-10	N5989-11	N5989-12	
COMPOUNDS:	Client Sample ID:	Method Blank	EN9-M	EN10-M	EN7-M(MS)	EN7-M(MSD)	Detection Limit
	D.F.:		1	1	1	1	
	icarbonate	<2.0	45	28	270	220	2

	Lab Sample ID:		N5989-13	
COMPOUNDS:	Client Sample ID:	Method Blank	GW-B	Detection Limit
	D.F.:		1	
	Bicarbonate	<2.0	600	2

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LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #: N5989

Analysis Meth.: 350.1

Matrix: Water
Unit: mg/L

Analyzed: 10/8/01
Analyst: sejal

	Lab Sample ID:		N5989-01	N5989-02	N5989-03	N5989-04	Detection Limit
COMPOUNDS:	Client Sample ID:	Method Blank	CW1-S	CW1-M	CW4-S	CW4-M	
	D.F.:		1	1	1	1	
	Nitrogen, Ammonia	<0.2	170	71	0.6	<0.2	0.2

	Lab Sample ID:		N5989-05	N5989-06	N5989-07	N5989-08	Detection Limit
COMPOUNDS:	Client Sample ID:	Method Blank	EN1-M	EN6-S	EN6-M	EN7-M	
	D.F.:		1	1	1	1	
	Nitrogen, Ammonia	<0.2	<0.2	<0.2	<0.2	<0.2	0.2

	Lab Sample ID:		N5989-09	N5989-10	N5989-11	N5989-12	Detection Limit
COMPOUNDS:	Client Sample ID:	Method Blank	EN9-M	EN10-M	EN7-M(MS)	EN7-M(MSD)	
	D.F.:		1	1	1	1	
	Nitrogen, Ammonia	<0.2	<0.2	<0.2	4.5	5.0	0.2

	Lab Sample ID:		N5989-13			Detection Limit
COMPOUNDS:	Client Sample ID:	Method Blank	GW-B			
	D.F.:		1			
	Nitrogen, Ammonia	<0.2	71			0.2

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LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #:

N5989

Analysis Meth.: 353.2

Matrix:
Unit:

Water
mg/L

Analyzed:
Analyst:

9/27/01
sejal

COMPOUNDS:

Nitrogen, Nitrate

Lab Sample ID:	N5989-01	N5989-02	N5989-03	N5989-04	Detection Limit
Client Sample ID:	Method Blank	CW1-S	CW1-M	CW4-S	CW4-M
D.F.:	1	1	1	1	1
	<0.5	<0.5	<0.5	<0.5	6.9
					0.5

COMPOUNDS:

Nitrogen, Nitrate

Lab Sample ID:	N5989-05	N5989-06	N5989-07	N5989-08	Detection Limit
Client Sample ID:	Method Blank	EN1-M	EN6-S	EN6-M	EN7-M
D.F.:	1	1	1	1	1
	<0.5	9.5	6.9	3.6	0.99
					0.5

COMPOUNDS:

Nitrogen, Nitrate

Lab Sample ID:	N5989-09	N5989-10	N5989-11	N5989-12	Detection Limit
Client Sample ID:	Method Blank	EN9-M	EN10-M	EN7-M(MS)	EN7-M(MSD)
D.F.:	1	1	1	1	1
	<0.5	1.0	8.2	9.9	9.7
					0.5

COMPOUNDS:

Nitrogen, Nitrate

Lab Sample ID:	N5989-13				Detection Limit
Client Sample ID:	Method Blank	GW-B			
D.F.:	1	1			
	<0.5	<0.5			0.5

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CLIENT: R&C Formation Ltd.**ATTN:** Bob Casson**LAB RECEIVING #:** N5989**Analysis Meth.:** 325.3**Matrix:**
Unit:**Water**
mg/L**Analyzed:**
Analyst:9/28/01
sejal

COMPOUNDS:	Lab Sample ID:		N5989-01	N5989-02	N5989-03	N5989-04	Detection Limit
	Client Sample ID:	Method Blank	CW1-S	CW1-M	CW4-S	CW4-M	
	D.F.:		1	1	1	1	
Chloride		<2.00	210	89	11	22	2
COMPOUNDS:	Lab Sample ID:		N5989-05	N5989-06	N5989-07	N5989-08	Detection Limit
	Client Sample ID:	Method Blank	EN1-M	EN6-S	EN6-M	EN7-M	
	D.F.:		1	1	1	1	
Chloride		<2.00	28	48	120	260	2
COMPOUNDS:	Lab Sample ID:		N5989-09	N5989-10	N5989-11	N5989-12	Detection Limit
	Client Sample ID:	Method Blank	EN9-M	EN10-M	EN7-M(MS)	EN7-M(MSD)	
	D.F.:		1	1	1	1	
Chloride		<2.00	80	25	280	270	2
COMPOUNDS:	Lab Sample ID:		N5989-13				Detection Limit
	Client Sample ID:	Method Blank	GW-B				
	D.F.:		1				
Chloride		<2.00	87				2

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LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #:

N5989

Analysis Meth.: 160.1

Matrix:
Unit:

Water
mg/L

Analyzed:
Analyst:

9/26/01
heena

Lab Sample ID:

N5989-01

N5989-02

N5989-03

N5989-04

Client Sample ID: Method Blank
D.F.:

CW1-S
1

CW1-M
1

CW4-S
1

CW4-M
1

Detection
Limit

COMPOUNDS:

Total Dissolved Solids

<10

1500

670

70

140

10

Lab Sample ID:

N5989-05

N5989-06

N5989-07

N5989-08

Client Sample ID: Method Blank
D.F.:

EN1-M
1

EN6-S
1

EN6-M
1

EN7-M
1

Detection
Limit

COMPOUNDS:

Total Dissolved Solids

<10

160

140

460

780

10

Lab Sample ID:

N5989-09

N5989-10

N5989-11

N5989-12

Client Sample ID: Method Blank
D.F.:

EN9-M
1

EN10-M
1

EN7-M(MS)
1

EN7-M(MSD)
1

Detection
Limit

COMPOUNDS:

Total Dissolved Solids

<10

190

130

1100

820

10

Lab Sample ID:

N5989-13

Client Sample ID: Method Blank
D.F.:

GW-B
1

Detection
Limit

COMPOUNDS:

Total Dissolved Solids

<10

670

10

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013



LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #: N5989

Analysis Meth.: SM2340B

Matrix: Water
Unit: mg/L

Analyzed: 10/15/01
Analyst: HEMEX

COMPOUNDS:	Lab Sample ID:		N5989-01	N5989-02	N5989-03	N5989-04	Detection Limit
	Client Sample ID:	Method Blank	CW1-S	CW1-M	CW4-S	CW4-M	
	D.F.:		1	1	1	1	
Hardness , total		<1.0	160	130	41	88	1.0

COMPOUNDS:	Lab Sample ID:		N5989-05	N5989-06	N5989-07	N5989-08	Detection Limit
	Client Sample ID:	Method Blank	EN1-M	EN6-S	EN6-M	EN7-M	
	D.F.:		1	1	1	1	
Hardness , total		<1.0	110	62	300	360	1.0

COMPOUNDS:	Lab Sample ID:		N5989-09	N5989-10	N5989-11	N5989-12	Detection Limit
	Client Sample ID:	Method Blank	EN9-M	EN10-M	EN7-M(MS)	EN7-M(MSD)	
	D.F.:		1	1	1	1	
Hardness , total		<1.0	91	87	340	NR	1.0

COMPOUNDS:	Lab Sample ID:		N5989-13	Detection Limit
	Client Sample ID:	Method Blank	GW-B	
	D.F.:		1	
Hardness , total		<1.0	130	1.0

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
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CLIENT: R&C Formation Ltd.**ATTN.:** Bob Casson**LAB RECEIVING #:**

N5989

Analysis Meth.: 375.4**Matrix:**
Unit:Water
mg/L**Analyzed:**
Analyst:10/4/01
anil.**COMPOUNDS:**

Sulfate

Lab Sample ID:	N5989-01	N5989-02	N5989-03	N5989-04	
Client Sample ID: Method Blank	CW1-S	CW1-M	CW4-S	CW4-M	Detection Limit
D.F.:	1	1	1	1	
<1.0	31	83	10	31	1

COMPOUNDS:

Sulfate

Lab Sample ID:	N5989-05	N5989-06	N5989-07	N5989-08	
Client Sample ID: Method Blank	EN1-M	EN6-S	EN6-M	EN7-M	Detection Limit
D.F.:	1	1	1	1	
<1.0	52	25	150	230	1

COMPOUNDS:

Sulfate

Lab Sample ID:	N5989-09	N5989-10	N5989-11	N5989-12	
Client Sample ID: Method Blank	EN9-M	EN10-M	EN7-M(MS)	EN7-M(MSD)	Detection Limit
D.F.:	1	1	1	1	
<1.0	17	40	250	230	1

COMPOUNDS:

Sulfate

Lab Sample ID:	N5989-13	
Client Sample ID: Method Blank	GW-B	Detection Limit
D.F.:	1	
<1.0	83	1

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013



LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #: N5946

Analysis Meth.: 310.1

Matrix:
Unit:

Water
mg/L

Analyzed:
Analyst:

9/30/01
heena

COMPOUNDS:

Alkalinity as CaCO₃

Lab Sample ID:	N5946-01	N5946-02	N5946-03	N5946-04	Detection Limit
Client Sample ID: Method Blank	SW-1	SW-2	SW-3	SW-4	
D.F.:	1	1	1	1	
<2.0	29	49	23	31	2

COMPOUNDS:

Alkalinity as CaCO₃

Lab Sample ID:	N5946-05	N5946-06	N5946-07	N5946-08	Detection Limit
Client Sample ID: Method Blank	SW-5	SW-6	SW-7	SW-13	
D.F.:	1	1	1	1	
<2.0	39	44	54	50	2

COMPOUNDS:

Alkalinity as CaCO₃

Lab Sample ID:	N5946-09	N5946-10	Detection Limit
Client Sample ID: Method Blank	SW-3MS	SW-3MSD	
D.F.:	1	1	
<2.0	70	23	2

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CLIENT: R&C Formation Ltd.**ATTN.:** Bob Casson**LAB RECEIVING #:** N5946**Analysis Meth.:** 310.1**Matrix:** Water
Unit: mg/L**Analyzed:** 9/30/01
Analyst: heena**COMPOUNDS:**

Bicarbonate

Lab Sample ID:	N5946-01	N5946-02	N5946-03	N5946-04	Detection Limit
Client Sample ID: Method Blank	SW-1	SW-2	SW-3	SW-4	
D.F.:	1	1	1	1	
<2.0	29	49	23	31	2

COMPOUNDS:

Bicarbonate

Lab Sample ID:	N5946-05	N5946-06	N5946-07	N5946-08	Detection Limit
Client Sample ID: Method Blank	SW-5	SW-6	SW-7	SW-13	
D.F.:	1	1	1	1	
<2.0	39	44	54	50	2

COMPOUNDS:

Bicarbonate

Lab Sample ID:	N5946-09	N5946-10	Detection Limit
Client Sample ID: Method Blank	SW-3MS	SW-3MSD	
D.F.:	1	1	
<2.0	70	23	2

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CLIENT: R&C Formation Ltd.**ATTN:** Bob Casson**LAB RECEIVING #:**

N5946

Analysis Meth.: 350.1**Matrix:**
Unit:Water
mg/L**Analyzed:**
Analyst:9/29/01
sejal**Lab Sample ID:**

N5946-01

N5946-02

N5946-03

N5946-04

Client Sample ID: Method Blank
D.F.:SW-1
1SW-2
1SW-3
1SW-4
1**Detection
Limit****COMPOUNDS:**

Nitrogen, Ammonia

<0.2

<0.2

<0.2

<0.2

<0.2

0.2

Lab Sample ID:

N5946-05

N5946-06

N5946-07

N5946-08

Client Sample ID: Method Blank
D.F.:SW-5
1SW-6
1SW-7
1SW-13
1**Detection
Limit****COMPOUNDS:**

Nitrogen, Ammonia

<0.2

<0.2

<0.2

<0.2

<0.2

0.2

Lab Sample ID:

N5946-09

N5946-10

Client Sample ID: Method Blank
D.F.:SW-3MS
1SW-3MSD
1**Detection
Limit****COMPOUNDS:**

Nitrogen, Ammonia

<0.2

4.5

4.6

0.2

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CLIENT: R&C Formation Ltd.**ATTN.:** Bob Casson**LAB RECEIVING #:**

N5946

Analysis Meth.: 353.2**Matrix:**

Water

Unit:

mg/L

Analyzed:

9/22/01

Analyst:

sejal

Lab Sample ID:

N5946-01

N5946-02

N5946-03

N5946-04

Client Sample ID: Method Blank

SW-1

SW-2

SW-3

SW-4

**Detection
Limit****D.F.:**

1

1

1

1

COMPOUNDS:

Nitrogen, Nitrate

<0.5

1.6

1.4

3.1

1.7

0.5

Lab Sample ID:

N5946-05

N5946-06

N5946-07

N5946-08

Client Sample ID: Method Blank

SW-5

SW-6

SW-7

SW-13

**Detection
Limit****D.F.:**

1

1

1

1

COMPOUNDS:

Nitrogen, Nitrate

<0.5

4

1.6

<0.5

1.6

0.5

Lab Sample ID:

N5946-09

N5946-10

Client Sample ID: Method Blank

SW-3MS

SW-3MSD

**Detection
Limit****D.F.:**

1

1

COMPOUNDS:

Nitrogen, Nitrate

<0.5

9.4

9.2

0.5

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LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #:

N5946

Analysis Meth.: 325.3

Matrix: Water
Unit: mg/L

Analyzed: 9/28/01
Analyst: sejal

COMPOUNDS:	Lab Sample ID:		N5946-01	N5946-02	N5946-03	N5946-04	Detection Limit
	Client Sample ID:	Method Blank	SW-1	SW-2	SW-3	SW-4	
	D.F.:		1	1	1	1	
Chloride		<2.00	44	56	31	46	2

COMPOUNDS:	Lab Sample ID:		N5946-05	N5946-06	N5946-07	N5946-08	Detection Limit
	Client Sample ID:	Method Blank	SW-5	SW-6	SW-7	SW-13	
	D.F.:		1	1	1	1	
Chloride		<2.00	97	44	2600	58	2

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11375
NJDEP Certification No. 12013



LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #: N5946

Analysis Meth.: 325.3

Matrix: Water
Unit: mg/L

Analyzed: 9/29/01
Analyst: sejal

Lab Sample ID:

N5946-09

N5946-10

Client Sample ID: Method Blank
D.F.:

SW-3MS
1

SW-3MSD
1

Detection
Limit

COMPOUNDS:

Chloride

<2.0

130

130

2

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013



LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #:

N5946

Analysis Meth.: 160.1

Matrix:
Unit:

Water
mg/L

Analyzed:
Analyst:

9/26/01
heena

Lab Sample ID:

N5946-01

N5946-02

N5946-03

N5946-04

Client Sample ID: Method Blank
D.F.:

SW-1
1

SW-2
1

SW-3
1

SW-4
1

Detection
Limit

COMPOUNDS:

Total Dissolved Solids

<10

120

180

100

130

10

Lab Sample ID:

N5946-05

N5946-06

N5946-07

N5946-08

Client Sample ID: Method Blank
D.F.:

SW-5
1

SW-6
1

SW-7
1

SW-13
1

Detection
Limit

COMPOUNDS:

Total Dissolved Solids

<10

240

130

3600

180

10

Lab Sample ID:

N5946-09

N5946-10

Client Sample ID: Method Blank
D.F.:

SW-3MS
1

SW-3MSD
1

Detection
Limit

COMPOUNDS:

Total Dissolved Solids

<10

430

100

10

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #:

N5946

Analysis Meth.: SM2340B

Matrix:

Water

Analyzed:

10/01/01

Unit:

mg/L

Analyst:

amar

COMPOUNDS:

Hardness, calcium

Lab Sample ID:	N5946-01	N5946-02	N5946-03	N5946-04	Detection Limit
Client Sample ID: Method Blank	SW-1	SW-2	SW-3	SW-4	
D.F.:	1	1	1	1	
	37	61	34	38	1.0

COMPOUNDS:

Hardness, calcium

Lab Sample ID:	N5946-05	N5946-06	N5946-07	N5946-08	Detection Limit
Client Sample ID: Method Blank	SW-5	SW-6	SW-7	SW-13	
D.F.:	1	1	1	1	
	74	34	140	65	1.0

COMPOUNDS:

Hardness, calcium

Lab Sample ID:	N5946-09	N5946-10	Detection Limit
Client Sample ID: Method Blank	SW-3MS	SW-3MSD	
D.F.:	1	1	
	NR	35	1.0

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013

CLIENT: R&C Formation Ltd.**ATTN:** Bob Casson**LAB RECEIVING #:** N5946**Analysis Meth.:** 375.4**Matrix:** Water
Unit: mg/L**Analyzed:** 9/29/01
Analyst: anil

	Lab Sample ID:		N5946-01	N5946-02	N5946-03	N5946-04	Detection Limit
COMPOUNDS:	Client Sample ID:	Method Blank	SW-1	SW-2	SW-3	SW-4	
	D.F.:		1	1	1	1	
	Sulfate	<1.0	22	37	21	22	1

	Lab Sample ID:		N5946-05	N5946-06	N5946-07	N5946-08	Detection Limit
COMPOUNDS:	Client Sample ID:	Method Blank	SW-5	SW-6	SW-7	SW-13	
	D.F.:		1	1	1	1	
	Sulfate	<1.0	29	16	370	37	1

	Lab Sample ID:		N5946-09	N5946-10	Detection Limit
COMPOUNDS:	Client Sample ID:	Method Blank	SW-3MS	SW-3MSD	
	D.F.:		1	1	
	Sulfate	<1.0	40	41	1

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CHEMTECH

QC
RESULTS
SUMMARY

CLIENT: R&C Formation Ltd.

LAB RECEIVING #: N5989

ATTN.: Bob Casson

Analysis Meth.: 353.2

Matrix: Water
Unit: mg/LAnalyzed: 9/27/01
Analyst: sejal**QUALITY CONTROL DATA**

MATRIX SPIKE/ MATRIX SPIKE DUPLICATE	SPK CONC.	MS mg/L	ACCURACY MSD OR DUP. mg/L	SAMPLE RESULT RESULT	%MS	RPD
Nitrogen, Nitrate	10	9.9	9.7	0.99	89.1	2.0

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LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #: N5989

Analysis Meth.: 325.3

Matrix: Water
Unit: mg/L

Analyzed: 9/28/01
Analyst: sejal

QUALITY CONTROL DATA

ACCURACY

MATRIX SPIKE/ MATRIX SPIKE DUPLICATE	SPK CONC.	MS mg/L	MSD mg/L	SAMPLE RESULT RESULT	%MS	RPD
Chloride	20	280	270	260	100	3.6

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NYSDOH Certification No. 10624

NYSDOH Certification No. 11376
NJDEP Certification No. 12013



LABORATORY REPORT

CLIENT: R&C Formation Ltd.

ATTN: Bob Casson

LAB RECEIVING #: N5989

Analysis Meth.: 375.4

Matrix: Water
Unit: mg/L

Analyzed: 10/4/01
Analyst: anil.

QUALITY CONTROL DATA

MATRIX SPIKE/ MATRIX SPIKE DUPLICATE	SPK CONC.	MS mg/L	ACCURACY		%MS	RPD
			DUP. mg/L	SAMPLE RESULT RESULT		
Sulfate	20	250	230	230	100	0.0

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CLIENT: R&C Formation Ltd.**ATTN:** Bob Casson**LAB RECEIVING #:** N5989**Analysis Meth.:** 350.1**Matrix:** Water
Unit: mg/L**Analyzed:** 10/8/01
Analyst: sejal**QUALITY CONTROL DATA**

MATRIX SPIKE/ MATRIX SPIKE DUPLICATE	SPK CONC.	MS mg/L	ACCURACY		%MS	RPD
			MSD mg/L	SAMPLE RESULT RESULT		
Nitrogen, Ammonia	5.0	4.5	5.0	<0.2	90	10.5

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CLIENT: R&C Formation Ltd.**ATTN.:** Bob Casson**LAB RECEIVING #:** N5989**Analysis Meth.:** 310.1**Matrix:** Water
Unit: mg/L**Analyzed:** 10/2/01
Analyst: heena**QUALITY CONTROL DATA**

MATRIX SPIKE/ MATRIX SPIKE DUPLICATE	SPK CONC.	MS mg/L	ACCURACY		%MS	RPD
			DUP. mg/L	SAMPLE RESULT RESULT		
Alkalinity as CaCO3	47	270	220	220	106.4	0.0

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CLIENT: R&C Formation Ltd.

ATTN.: Bob Casson

LAB RECEIVING #: N5989

Analysis Meth.: 160.1

Matrix: Water
Unit: mg/LAnalyzed: 9/26/01
Analyst: heena**QUALITY CONTROL DATA**

MATRIX SPIKE/ MATRIX SPIKE DUPLICATE	SPK CONC.	MS mg/L	ACCURACY		%MS	RPD
			DUP. mg/L	SAMPLE RESULT RESULT		
Total Dissolved Solids	333	1100	820	780	96.1	5.0

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