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OPERATION MAINTENANCE AND MONITORING REPORT
(October 2003 – January 2004)
FORMER FLAGSHIP AIRLINES HANGAR
DUTCHESS COUNTY AIRPORT
WAPPINGERS FALLS, NEW YORK
NYSDEC SITE NO. 3-14-101, ORDER ON CONSENT NO. W3-0837-98-12

Shaw Environmental Project 820131

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1.0 INTRODUCTION

This status report details the operational status of the Air Sparge/Soil Vapor Extraction (AS/SVE) treatment system at the Former Flagship Airlines Hangar, Dutchess County Airport, Wappingers Falls, New York (**Figure 1** and **Figure 2**). This status report covers the period from October 2003 through January 2004 and includes a discussion of the sampling event conducted on January 22, 2004, SVE influent and effluent sampling conducted on February 19, 2004, and four months of operation and maintenance completed by Shaw Environmental, Inc. (Shaw) personnel.

The total run time for the AS and SVE systems during the reporting period was 100%. The SVE was repaired and reactivated during the previous reporting period as discussed in **Section 4.0**. The total run time for the SVE during this reporting period was 2,304 available hours, with 2,304 actual hours or 100%.

During the early portion of this report period, system modifications were made, in keeping with the New York State Department of Environmental Conservation (NYSDEC) Record of Decision (ROD). In summary, this included the installation of two deeper sparge wells and the removal of the French drain feature. These performed activities are discussed in further detail in the report.

2.0 OPERATION AND MAINTENANCE

Monthly Operation and Maintenance (O&M) visits were performed as required by the ROD. All O&M actions are performed as outlined in the revised AS/SVE Treatment System Operation and Maintenance Manual, dated April 14, 2004. O&M visits were performed on October 27, 2003 November 13, 2003, December 16, 2003 and January 21, 2004.

Monitoring tasks performed during the typical O&M visit included:

- AS and SVE equipment inspected and operating parameters monitored and adjusted;

- AS and SVE equipment monitored (drained moisture separator when necessary, check/change air filter elements and belts and greasing and oil changes on blowers);
- Former Flagship and IBM property monitoring wells gauged for water depths and dissolved oxygen content;
- SVE points monitored in the equipment compound to verify pressure vacuum response surrounding the system;
- System operational time monitored; and,
- Influent SVE leg, pre-manifold, post-manifold, pre-carbon, in-between carbon and post-carbon absorption Photoionization Detector (PID) readings.

Individual system components were also monitored to ensure that all process systems were operating within design parameters.

3.0 SIGNIFICANT OPERATIONAL NOTES

Significant operational notes for this reporting period:

- Quarterly groundwater sampling was conducted on January 22, 2004;
- Influent and effluent samples were not collected during the interval groundwater-sampling event; samples were collected during the February 19, 2004 site visit;
- Sparge point SP-8 was installed June 2003 and soil samples were collected.

4.0 SOIL VAPOR EXTRACTION SYSTEM

4.1 Vapor Extraction System Operational Configuration

The SVE system consists of seven (7) horizontal SVE wells and a Roots 47-URAI rotary lobe blower powered by a 5 HP motor.

SVE wells EW-1 through EW-7 were constructed horizontally with 4-inch-diameter, SCH 40 PVC piping at a depth of approximately 4.5 feet below grade. Horizontal placement of the extraction wells was due to shallow groundwater table elevation that had been observed across the site. All seven SVE wells were fitted with six feet of 0.020-inch slotted screen. At approximately four feet below grade, 2-inch, SCH 80 PVC vapor extraction lateral piping tees off the extraction well and connects the extraction wells to the vapor manifold located in the treatment enclosure. The SVE process piping was placed on a 6-inch layer of sand, and covered by another 6-inch layer of sand. Sand and item 4 were then used to backfill the remainder of the trench, once the pipe and the sand bedding had been placed in non-paved areas. If the trench was within 6-feet of pavement or beneath pavement, item 4 was used above the pipe and sand layers to grade.

EW-1 through EW-7 were originally controlled by motor operated valves (MOVs) programmed to activate one set of SVE points while deactivating the other set of SVE points and visa versa. Each set was activated for 12-hour time periods. System adjustments have been made to allow for all SVE wells to operate simultaneously. Vapor extraction rates for each well can be regulated independently by utilizing ball valves located on each respective extraction line inside the treatment enclosure. A system design flow of 250 standard cubic feet per minute (scfm) at 50 inches of water column ("w.c.) vacuum extraction rate is the design basis that yields approximately 50 scfm at 10 ”w.c. at each extraction well. These flow and vacuum parameters generate an area of influence of approximately 30 feet on each side of the SVE wells.

The SVE blower and related appurtenances are skid-mounted. A particulate air filter, vacuum relief valve, inlet and discharge silencers, inlet vacuum and outlet pressure gauges, flowmeter, high pressure switch, low vacuum switch and dilution air filter/silencer/valve are located on the SVE blower skid.

The 60-gallon capacity moisture separator accepts vapors from the corresponding manifolds and removes excess water from the extracted vapor. Free liquids will accumulate in the moisture separator tank until the high level switch is activated. Once the high level switch is activated, the system automatically shuts down until the water is manually drained and the system has been reset. The water should be drained into a drum and checked for odor and sheen. If no odor or sheen is observed, the water can be discharged on-site. If odor or a sheen is detected, the water should be disposed in accordance with federal and state guidelines.

Two 2,000 pound vapor-phase granular activated carbon (VGAC) units are included in the SVE treatment train. The units are installed in a lead/lag arrangement, are located outside the treatment enclosure and adsorb VOCs contained in the SVE blower effluent prior to discharge into the atmosphere via a 20-foot stack. Sample ports are located between and after the VGAC units to monitor the effectiveness and life cycle of the units. Carbon changeouts are required when a 5 to 10 pounds per square inch (psi) pressure differential is noted from the inlet to the outlet side of the carbon unit, or when breakthrough is detected in the lead carbon unit indicated by the air monitoring results.

4.2 Period Performance

Photoionization detector (PID) calculations for VOCs removed during this reporting period indicate that, to date, the system has removed approximately 24.64 pounds of VOCs. System operating data and removal calculations are based on monthly PID readings shown in **Table 1**. Vapor phase carbon absorption efficiency for the compounds of concern is shown on **Table 2.** To date, laboratory analysis, calculative collection of "compounds of concern" is determined to be approximately 3.39 pounds (**Table 3**).

5.0 AIR SPARGE SYSTEM

5.1 Air Sparge System Operational Configuration

The AS system consists of eight (8) vertical AS wells and a Roots 32-URAI rotary lobe blower powered by a 7.5 HP motor.

The AS compressor is skid-mounted with an inlet air filter/muffler, pressure relief valve, bypass valve and muffler, effluent silencer, pressure gauge, high pressure switch, and temperature gauge.

A heat exchanger was incorporated after the blower to lower the air discharge temperature before it enters the PVC piping. The 1-inch SCH 80 PVC piping leading to the sparge wells cannot

tolerate temperatures greater than 150 degrees Fahrenheit. Therefore, a high temperature switch and temperature gauge are incorporated following the heat exchanger. The optimum air discharge temperature is 100 degrees Fahrenheit.

AS wells SP-1 through SP-7 were constructed with 2-inch diameter, SCH 40 PVC piping and were installed to a depth of approximately 15 feet below grade. Each of the seven AS wells were fitted with 2 feet of 0.020-inch slotted screen at depth. Each well was brought to grade and finished with a threaded steel or PVC plug, concrete pad, and a traffic-rated metal road box. At approximately 3.5 feet below grade a 1-inch, SCH 80 PVC, sparge line tees off each well and returns to the sparge manifold located in the treatment enclosure. The AS lateral piping was placed in the sand bedding that was used for the SVE lateral piping. Prior to exiting the subsurface and penetration through the treatment enclosure wall, the air sparge piping was transitioned from PVC to high pressure EPDM hose for safety concerns associated with handling compressed air above grade.

The air sparging manifold consists of an individual air flow meter (rotameter), needle valve, and pressure gauge for each independent sparge pipe. The sparge wells were previously controlled by motor operated valves programmed to activate one set of sparge points while deactivating the other set of sparge points and visa versa. Each set was previously programmed to activate for 12-hour time periods. Sparge points SP-1, 2, 3 and 4 (Leg A) operated while extraction wells EW-1, 2, 5 and 7 operated while SP-4, 5 and 6 operated while EW-3, 5, and 6 were operated. In June 2003, a new sparge well (SP-8) was installed to a total depth of 23 feet below grade in the area northwest of SP-5. In November 2003, SP-1 was replaced with SP-1A which was installed to a total depth of 20 feet below grade. Sparge points SP-7, 6, 4, 3, and SP-2 were deactivated and SP-5 was valved off and a “T” installed in the line to supply air to SP-8 during the November 2003 system modifications. The valve is accessible through a flush mount roadbox. SP-1A and SP-8 are currently the only active sparge wells.

The system design flow of 55 scfm at 12 pounds per square inch (psi) sparge rate (approximately 12 scfm at 8 to 10 psi per sparge well) yields a radius of influence of approximately 30 feet.

5.2 Period Performance

During the current reporting period, the sparge points ran at an average flow of approximately 4.0 cfm, with a total average system pressure of approximately 9.0 pounds per square inch (psi). The AS blower was fully operational and SP-1A through SP-8 are operating simultaneously.

Dissolved oxygen levels were measured in performance monitoring wells during the scheduled O&M visits. Based upon data collected during the quarterly monitoring period distribution of sparge air is noticeable. All historical dissolved oxygen data available since May 1999 is tabulated and shown in **Table 4**. Air distribution trends and dissolved oxygen levels in the monitoring well network will continue to be measured during future O&M visits to anticipate maintenance actions needed in order to maintain desired air flow rates to the treatment zone.

6.0 SYSTEM TREATMENT EFFICIENCY

Data collected from the performance monitoring well network located upgradient and downgradient of the treatment zone shows slight trends as of this reporting period. The highest dissolved contaminant levels on the former Flagship property is located near MW-6. Some decreases in dissolved contaminant levels has been observed. Analytical results from the monitoring well network are tabulated and presented in **Table 5**. Previously, the NYSDEC identified compounds of concern. These compounds are tabulated and presented in **Table 6**.

This report summarizes a joint survey from the former Flagship and IBM hangar property groundwater contour map for the water level measurements from this reporting period. The groundwater contour map of the January 2004 event is shown as **Figure 3** in this report. Prior to monitoring well gauging the treatment system is shutdown to allow for the stabilization of the naturally occurring potentiometric surface.

During the January 22, 2004 gauging event, groundwater elevations on the Flagship parcel ranged from 156.60 feet (MW-7A) to 152.71 feet (MW-20). On the IBM parcel, groundwater elevations ranged from 153.25 feet (A-8S) to 149.24 feet (A-42S). Depth to groundwater measurements and elevations are presented in **Table 4**. Based on the calculated groundwater

elevations on the former Flagship and IBM properties, groundwater flow is generally in a northwesterly direction with some influence from the sparge points (**Figure 3**). Flow direction irregularity, observed on the down-gradient portion of the site has been consistent throughout project duration. The irregular pattern is likely attributed to a combination of factors, including remnant sparge air pressure during gauging and monitor well construction differences.

During the January 22, 2004 sampling event, laboratory detections of target analytes were recorded in samples collected from ME-14, ME-19, and MW-6. PCE was detected at 2 ug/l (MW-6 and ME-19) and 0.5J ug/l (ME-14). These concentrations are below the NYSDEC groundwater standard of 5ug/L. Monitoring wells MW-9 and MW-10 were removed and replaced with MW-9/10R which indicated no detections of target compounds. Down-gradient wells are predominantly clean, thus demonstrating limited impact to groundwater from the primary area of concern. TCE was not detected in any of the monitoring wells on either property. Naphthalene was detected at 5ug/l (MW-6). Naphthalene was not detected in any other former Flagship down-gradient property boundary wells. The analytical results are presented on **Table 5** and **Figure 4**. Naphthalene (**Figure 5**), chloroethane (**Figure 6**) and 1,2 dichloroethene (**Figure 7**) are visually presented in contamination isochron format. Trend data for PCE, DCA and naphthalene are presented in **Figures 8, 9** and **10**, respectively. Groundwater analytical data is presented in **Appendix A**.

Samples collected from former IBM monitoring wells, located near the eastern corner of the hangar exhibited decreased dissolved concentrations. Specifically, a 1,1-dichloroethane concentration of 2 ug/l (A-27S) was recorded. Total 1,2-Dichloroethene, was detected in one monitoring well at 8ug/L (A-27S). Naphthalene was not detected in any of the former IBM monitoring wells. No significant trends have been observed in former IBM property wells. The up-gradient wells on the former Flagship property have demonstrated reductions in total VOC concentrations.

The presence of dichloroethane and dichloroethene in former IBM property well A-27S (**Table 5**) combined with the lack of immediate up-gradient (former Flagship property) detections, suggest that an ongoing source of these contaminants exists on the former IBM leased property. The MW-9/10R area of concern on the former Flagship property is approximately 160 feet up-gradient from this IBM well area. With the exception of low and infrequent detections in MW-6 and MW-20, no detections have been recorded between these two areas.

7.0 FRENCH DRAIN REMOVAL ACTIVITY RESULTS

Prior to the removal of the concrete drain and gravel bed in October 2003, Shaw collected soil samples from around the feature (**Figure 11**). These laboratory results are attached as **Appendix C**. Both boring locations recorded their highest VOC hits for naphthalene. The naphthalene concentrations from the four to six foot interval in SB0626034 was 12,400 μg/L. This sample location is in close proximity to vapor extraction point EW-1/1A.

During the concrete drain removal activities, approximately three cubic yards was removed and containerized for future disposal. A representative of the NYSDEC was present during these activities. The drummed waste was subsequently transported off-site for disposal by Heritage Environmental Services, LLC. PID headspace measurements in the field ranged from 50 parts per million (ppm) to 125 ppm on the excavated soil.

As discussed in previous sections **4.0** and **5.0**, SP-1A and MW-9/10 were installed in the area following drain removal. Extraction well EW-1/1A, though undisturbed during the excavation process, had a new and larger vertical vapor barrier, polyethylene sheet placed directly above it. The sheet extends to the south/southeast above the concrete drain and gravel bed feather (**Figure 12**).

8.0 PROPOSED ACTIVITIES

Proposed activities for the next reporting period include:

- Monthly operation and maintenance visits to monitor system operation.
- Adjust system flow and vacuum to maximize treatment system operation.
- Collect groundwater and SVE effluent air samples in April 2004.

TABLES

Table 1
FORMER FLAGSHIP HANGAR FACILITY
AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
RECOVERY

Sampling Date	Run Time Since Last Visit (hrs) Available	Actual	SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (4" diam.) (fpm)	SVE Blower Effluent Flow Rate (cfm)	SVE Blower Effluent PID Reading (ppmv)	VOC Removal Rate (lbs/hr)	VOC's Recovered Since Last O&M Visit (lbs.)	Cumulative lbs. of VOC's Recovered (lbs.)
8/4/2000	0 /	0	0.00%	2942.5	256	2.2	0.01	0.00	0.00
8/9/2000	120 /	6	5.00%	3172.4	276	0.0	0.00	0.00	0.00
8/16/2000	168 /	168	100.00%	3103.4	270	0.0	0.00	0.00	0.00
8/24/2000	192 /	192	100.00%	3356.3	292	0.0	0.00	0.00	0.00
9/21/2000	672 /	261	38.84%	3678.2	320	0.0	0.00	0.00	0.00
10/9/2000	432 /	192	44.44%	3678.2	320	0.0	0.00	0.00	0.00
11/17/2000	936 /	542	57.91%	4046.0	352	0.0	0.00	0.00	0.00
12/6/2000	456 /	298	65.35%	4114.9	358	0.0	0.00	0.00	0.00
1/10/2001	840 /	120	14.29%	4000.0	348	0.0	0.00	0.00	0.00
2/19/2001	960 /	960	100.00%	3195.4	278	0.0	0.00	0.00	0.00
3/28/2001	888 /	72	8.11%	0.0	0	0.0	0.00	0.00	0.00
4/19/2001	528 /	270	51.14%	2580.0	224	0.0	0.00	0.00	0.00
5/16/2001	648 /	600	92.59%	2919.5	254	0.0	0.00	0.00	0.00
6/20/2001	840 /	792	94.29%	3185.0	277	0.0	0.00	0.00	0.00
7/30/2001	960 /	960	100.00%	3287.4	286	0.0	0.00	0.00	0.00
8/17/2001	432 /	432	100.00%	3310.3	288	0.0	0.00	0.00	0.00
9/11/2001	600 /	600	100.00%	3379.3	294	0.0	0.00	0.00	0.00
10/31/2001	1200 /	1200	100.00%	3595.0	313	0.0	0.00	0.00	0.00
11/29/2001	696 /	408	59.00%	3560.0	310	2.3	0.01	4.08	4.08
12/13/2001	336 /	336	100.00%	3580.0	311	2.0	0.01	3.36	7.44
1/17/2002	840 /	768	91.00%	2494.0	217	0.0	0.00	0.00	7.44
2/21/2002	840 /	840	100.00%	3678.2	320	0.0	0.00	0.00	7.44
3/20/2002	648 /	552	85.19%	4770.1	415	0.0	0.00	0.00	7.44
4/17/2002	672 /	672	100.00%	3804.6	331	0.0	0.00	0.00	7.44
5/22/2002	840 /	840	100.00%	4655.2	405	5.7	0.02	13.74	21.18
6/17/2002	624 /	384	61.54%	0.0	0	0.0	0.01	3.46	24.64
7/15/2002	672 /	312	46.43%	3379.3	294	0.0	0.00	0.00	24.64
8/28/2002	1056 /	576	54.55%	3183.9	277	0.0	0.00	0.00	24.64
9/24/2002	624 /	624	100.00%	3862.1	336	0.0	0.00	0.00	24.64
10/21/2002	648 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
11/15/2003	600 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
12/17/2003	768 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
1/18/2003	748 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
2/12/2003	600 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
3/20/2003	864 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
4/21/2003	768 /	0	0.00%	2172.4	189.0	0.0	0.00	0.00	24.64
5/28/2003	888 /	704	79.28%	2862.1	249.0	0.0	0.00	0.00	24.64
6/10/2003	312	0	0.00%	0.0	NM	0.0	0.00	0.00	24.64
7/9/2003	696 /	696	100.00%	2298.9	200.0	0.0	0.00	0.00	24.64
8/28/2003	1200 /	1200	100.00%	1597.7	139.0	0.0	0.00	0.00	24.64
9/3/2003	120 /	120	100.00%	2563.2	223	0.0	0.00	0.00	24.64
10/17/2003	1056 /	1056	100.00%	2436.8	212	0.0	0.00	0.00	24.64
11/13/2004	648 /	648	100.00%	2069.0	180	0.0	0.00	0.00	24.64
12/16/2003	792 /	792	100.00%	1609.2	140	0.0	0.00	0.00	24.64
1/21/2004	528 /	528	100.00%	1860.0	162	0.0	0.00	0.00	24.64

October 2002 SVE shutdown due to high groundwater level
April 2003 SVE system Restarted

NM=Not Measured

TABLE 2
FORMER FLAGSHIP HANGAR FACILITY
AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
TREATMENT EFFICIENCY

Date	Compounds of Concern	SVE Influent South Leg (ppbv) / ug/m^3	SVE Influent North Leg (ppbv) / ug/m^3	Carbon Effluent South Leg (ppbv) / ug/m^3	Carbon Effluent North Leg (ppbv)/ ug/m^3	Carbon Efficiency South Leg (%)	Carbon Efficiency North Leg (%)	Total System Efficiency (%)
08/04/00	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	130 / 896.3	13 / 89.63	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	3.9 / 14.94	2.3 / 8.81	0.52 / 1.99	ND / ND	86.67	100.00	93.34
	1,1-Dichloroethane	1.4 / 5.76	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	13 / 72.1	1.5 / 8.32	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
10/9/00 (1)	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	100 / 689.46	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	0.82 / 3.14	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	2.3 / 9.46	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	17 / 94.29	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
12/06/00	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	50 / 344.73	3.5 / 24.13	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	1.1 / 4.21	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	5.9 / 24.27	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	6.7 / 37.16	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
05/16/01	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
06/20/01	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	40 / 275.78	7.0 / 48.26	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	0.98 / 3.75	ND / ND	NA	100.00	NA
	1,1-Dichloroethane	ND / ND	3.0 / 12.34	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	4.2 / 23.3	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
09/11/01	Trichloroethene	1.4 / 7.65	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	130 / 896.3	2.5 / 17.24	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	ND / ND	ND / ND	NA	100.00	NA
	1,1-Dichloroethane	14 / 57.6	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	88 / 488.09	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
01/17/02	Trichloroethene	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	NA	NA	1.5 / 5.74	ND / ND	NA	100.00	NA
	1,1-Dichloroethane	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
05/22/02	Trichloroethene	ND / ND	ND / ND	0.55 / 3	1 / 5.46	NA	NA	NA
	Tetrachloroethene	6.2 / 42.75	7.9 / 54.47	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	18 / 68.94	15 / 57.45	1.3 / 4.98	2.8 / 10.72	93.00	81.00	87.00
	1,1-Dichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	86 / 458.19	109 / 580.73	ND / ND	ND / ND	100.00	100.00	100.00
09/24/02	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00

Notes:
ND = Not Detected, therefore, compound believed to be absent in treatment train or below method detection limit.
NA = Not Applicable.
(1) = Quarterly vapor recovery/treatment air samples collected on 10/9/00, not during the quarterly groundwater sampling event as intended.
(2) = Quarterly vapor recovery/treatment air samples collected in May because SVE MOV not operational during March sampling event.
The May 16, 2001 sampling event was conducted after the system was re-started and in-place of the scheduled March sampling event.

Table 3
Former Flagship Airlines Hangar Facility
Air Sparge/Soil Vapor Extraction System
Compound of Concern Cumulative Recovery

Sampling Date	Run Time Since Last Visit (hrs) Available	Actual	SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (4" diam.) (fpm)	SVE Blower Effluent Flow Rate (cfm)	SVE Blower Effluent Lab Result (ppmv)	SVE Blower Effluent PID Reading (ppmv)	VOC Removal Rate (lbs/hr)	VOC's Recovered Since Last O&M Visit (lbs.)	Cumulative lbs. of VOC's Recovered (lbs.)
8/4/2000	0	0	0.00%	2885	252	0.165	2.2	0.00065	0.00	0.00
10/9/2000	1584	627	39.58%	3759	328	0.119	0.0	0.00064	0.40	0.40
12/6/2000	1392	1032	74.14%	4103	358	0.067	0.0	0.00050	0.51	0.92
5/16/2001	3864	2320	60.04%	2805	245	0.0	0.0	0.00016	0.37	1.28
6/20/2001	840	792	94.29%	3195	279	0.0542	0.0	0.00011	0.09	1.37
9/11/2001	9672	1992	20.60%	3379	295	0.236	0.0	0.00086	1.70	1.70
1/17/2002	3072	2712	88.28%	2494	218	0.0015	0.0	0.00047	1.29	2.99
5/22/2002	3000	3000	100.00%	4500	393	0.0404	5.7	0.00010	0.30	3.29
9/24/2002	2976	1896	63.71%	3862	337	0.0	0.0	0.00012	0.00	3.29
5/28/2003	907	702	77.44%	2862	250	0.063	0.0	0.00014	0.10	3.39
9/3/2003	1344	1344	100.00%	2560	223	NS	0.0	0.00000	0.00	3.39
2/19/2004	1344	1344	100.00%	2560	223	0.0	0.0	0.00000	0.00	3.39

Note: SVE was not operating between 9/02 and 4/03

NS - Not Sampled

TABLE 4
FORMER FLAGSHIP HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	DG-1			MW-1			MW-2			MW-6			MW-7A			MW-8		
	TOC Elev. 162.27			TOC Elev. 156.03'			TOC Elev. 162.34'			TOC Elev. 158.64'			TOC Elev. 158.52 '			TOC Elev. 159.37'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
12/30/1996	8.65	153.62	NM	1.14	154.89	NM	5.83	156.51	NM	2.41	156.23	NM	1.98	156.54	NM	5.73	153.64	NM
4/2/1997	7.80	154.47	NM	0.79	155.24	NM	4.72	157.62	NM	2.24	156.40	NM	1.85	156.67	NM	5.18	154.19	NM
5/21/1999	9.00	153.27	12.59	2.32	153.71	14.87	7.32	155.02	15.23	3.75	154.89	13.51	3.45	155.07	13.00	6.19	153.18	12.53
2/9/2000	10.12	152.15	NM	NM	NM	NM	8.87	153.47	NM	5.33	153.31	NM	5.14	153.38	NM	7.33	152.04	NM
6/28/2000	8.45	153.82	NM	1.22	154.81	NM	5.98	156.36	NM	2.45	156.19	NM	2.15	156.37	NM	5.48	153.89	NM
8/3/2000	9.00	153.27	1.19	2.09	153.94	4.65	6.98	155.36	1.02	4.47	154.17	7.17	3.19	155.33	4.25	6.31	153.06	1.57
8/10/2000	8.78	153.49	NM	2.07	153.96	NM	6.94	155.40	NM	3.44	155.20	NM	3.17	155.35	NM	6.23	153.14	NM
8/31/2000	9.01	153.26	3.58	2.38	153.65	4.69	6.94	155.40	5.25	3.47	155.17	3.60	3.24	155.28	11.05	6.91	152.46	2.29
9/21/2000	9.16	153.11	2.48	2.45	153.58	5.59	5.90	156.44	4.28	2.39	156.25	3.62	3.49	155.03	6.98	5.95	153.42	1.76
10/16/2000	9.39	152.88	3.58	2.93	153.10	7.97	7.58	154.76	7.68	4.11	154.53	6.09	3.90	154.62	6.79	6.55	152.82	2.81
11/13/2000	9.55	152.72	1.75	2.92	153.11	8.58	6.36	155.98	4.48	2.97	155.67	5.09	4.23	154.29	6.56	6.39	152.98	2.37
12/6/2000	9.98	152.29	13.25*	3.51	152.52	0.77*	7.45	154.89	15.68*	4.35	154.29	10.61*	4.54	153.98	8.29*	6.88	152.49	17.4*
1/8/2001	9.37	152.90	1.83	3.06	152.97	3.33	9.22	153.12	5.38	4.94	153.70	5.57	4.60	153.92	6.24	6.52	152.85	2.52
2/19/2001	9.19	153.08	4.19	NM	NM	NM	10.07	152.27	11.15	6.05	152.59	13.03	5.03	153.49	8.13	6.35	153.02	2.33
3/28/2001	8.61	153.66	16.51*	1.37	154.66	17.86*	6.56	155.78	9.56*	3.02	155.62	15.73*	2.72	155.80	16.75*	5.75	153.62	15.53*
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/2001	9.26	153.01	0.73	NM	NM	NM	8.36	153.98	2.09	4.89	153.75	4.29	3.32	155.20	5.54	6.34	153.03	1.05
6/20-6/21/01	9.32	152.95	0.63	2.29	153.74	2.98	7.35	154.99	6.75	3.84	154.80	4.00	3.53	154.99	4.37	7.01	152.36	0.66
7/30/2001	9.93	152.34	0.77	3.21	152.82	1.22	8.81	153.53	2.82	5.30	153.34	3.56	4.53	153.99	4.17	7.33	152.04	1.08
8/16/2001	10.30	151.97	0.62	3.56	152.47	1.71	9.55	152.79	2.37	5.94	152.70	4.12	4.87	153.65	3.57	8.22	151.15	0.94
9/10/2001	10.81	151.46	0.62	3.95	152.08	1.08	7.60	154.74	3.69	4.40	154.24	9.97	4.93	153.59	4.12	9.22	150.15	1.35
10/31/2001	10.73	151.54	0.56	4.02	152.01	3.69	NM	NM	NM	4.75	153.89	4.86	5.50	153.02	3.72	NM	NM	NM
11/29/2001	11.13	151.14	0.81	4.35	151.68	6.27	10.49	151.85	5.65	7.76	150.88	7.10	6.02	152.50	3.54	8.90	150.47	1.34
12/13/2001	11.11	151.16	0.29	4.64	151.39	5.47	12.31	150.03	6.31	8.03	150.61	3.62	6.56	151.96	3.38	8.75	150.62	NM
1/17/2002	10.96	151.31	1.00	4.04	151.99	0.95	11.98	150.36	7.03	8.13	150.51	6.98	6.44	152.08	5.20	8.13	151.24	2.42
2/21/2002	11.03	151.24	0.72	4.55	151.48	0.72	10.28	152.06	4.12	6.73	151.91	3.25	6.49	152.03	2.94	8.21	151.16	0.37
3/20/2002	11.01	151.26	0.45	4.54	151.49	1.48	10.24	152.10	9.62	6.73	151.91	4.89	6.50	152.02	3.28	8.17	151.20	1.15
4/17/2002	10.40	151.87	1.38	4.07	151.96	2.40	11.24	151.10	2.28	7.15	151.49	3.27	6.18	152.34	3.96	7.78	151.59	1.61
5/22/2002	9.54	152.73	1.12	2.92	153.11	0.59	8.43	153.91	0.90	4.89	153.75	1.89	4.64	153.88	2.50	6.72	152.65	0.43
09/23&24/200	10.08	152.19	0.50	3.40	152.63	2.03	8.40	153.94	4.48	5.01	153.63	3.40	4.82	153.70	2.63	7.35	152.02	0.56
10/21/2002	9.00	153.27	0.54	2.52	153.51	5.94	6.44	155.90	8.20	3.18	155.46	3.14	3.70	154.82	2.74	6.38	152.99	1.21
11/15/2002	9.42	152.85	2.18	2.74	153.29	7.75	7.93	154.41	4.72	4.40	154.24	3.98	4.15	154.37	4.04	6.68	152.69	1.50
12/17/2002	8.12	154.15	0.88	1.38	154.65	2.36	6.30	156.04	0.84	2.83	155.81	1.87	2.55	155.97	1.09	5.28	154.09	1.41
1/17/2003	8.59	153.68	1.04	NM	NM	NM	6.00	156.34	0.73	2.50	156.14	1.14	NM	NM	NM	5.53	153.84	0.83
2/12/2003	7.36	154.91	0.71	NM	NM	NM	4.60	157.74	0.86	NM	NM	NM	NM	NM	NM	4.62	154.75	0.63
3/20/2003	7.58	154.69	1.17	NM	NM	NM	5.42	156.92	1.03	NM	NM	NM	NM	NM	NM	4.81	154.56	1.03
4/21/2003	8.20	154.07	0.91	0.69	155.34	3.47	5.53	156.81	1.29	2.00	156.64	3.36	1.66	156.86	4.81	5.22	154.15	0.64
5/28/2003	8.60	153.67	0.75	1.50	154.53	6.55	6.48	155.86	1.03	2.95	155.69	3.27	5.28	153.24	5.28	5.79	153.58	0.42
7/9/2003	7.88	154.39	0.64	1.78	154.25	4.34	6.72	155.62	0.83	3.21	155.43	3.85	2.91	155.61	4.86	6.12	153.25	0.82
9/9/2003	8.55	153.72	0.71	1.85	154.18	1.03	6.81	155.53	1.11	3.3	155.34	1.43	2.96	155.56	0.98	5.97	153.40	1.14
10/16/2003	8.86	153.41	0.48	1.81	154.22	0.82	7.27	155.07	0.99	3.58	155.06	3.98	3.05	155.47	4.98	6.11	153.26	0.54
1/22/2004	8.65	153.62	6.46	NM	NM	NM	5.83	156.51	2.11	2.29	156.35	6.29	1.92	156.60	5.25	6.14	153.23	2.46

Notes:
Joint water level gaugiNM on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.
NM = Not Measured.
NI = Not installed as of this date.

All dissolved oxygen measurements are in mg/l.
* = DO measurement incorrect due to malfunctioning meter.

TABLE 4
FORMER FLAGSHIP HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	MW-9			MW-10			MW-9/10 R			MW-20			ME-12			ME-13			ME-14		
	TOC Elev. 158.87'			TOC Elev. 158.72'			TOC Elev. 158.72'			TOC Elev. 159.24'			TOC Elev. 158.87'			TOC Elev. 159.50'			TOC Elev. 159.98'		
Date	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**
12/30/1996	2.72	156.15	NM	2.58	156.14	NM	--	--	--	NG	NG	NM	3.12	155.75	NM	6.10	153.40	NM	3.91	156.07	NM
4/2/1997	4.54	154.33	NM	2.39	156.33	NM	--	--	--	NG	NG	NM	3.06	155.81	NM	5.65	153.85	NM	3.86	156.12	NM
5/21/1999	3.82	155.05	13.58	3.55	155.17	11.12	--	--	--	NG	NG	NI	4.50	154.37	14.39	7.10	152.40	10.13	5.39	154.59	10.41
2/9/2000	5.43	153.44	NM	5.20	153.52	NM	--	--	--	NG	NG	NM	5.83	153.04	NM	NM	NM	NM	6.71	153.27	NM
6/28/2000	2.91	155.96	NM	2.72	156.00	NM	--	--	--	4.46	154.78	NM	3.29	155.58	NM	7.14	152.36	NM	3.92	156.06	NM
8/3/2000	3.75	155.12	0.2	3.55	155.17	0.25	--	--	--	5.15	154.09	2.55	4.08	154.79	0.65	7.65	151.85	1.80	4.79	155.19	0.61
8/10/2000	3.72	155.15	NM	3.50	155.22	NM	--	--	--	5.09	154.15	NM	4.06	154.81	NM	6.69	152.81	NM	4.72	155.26	NM
8/31/2000	3.69	155.18	8.29	3.52	155.2	3.68	--	--	--	5.65	153.59	6.51	4.17	154.7	10.93	6.97	152.53	4.37	4.95	155.03	3.3
9/21/2000	3.54	155.33	1.67	3.80	154.92	3.39	--	--	--	4.56	154.68	3.88	3.76	155.11	9.34	8.79	150.71	3.89	5.31	154.67	2.07
10/16/2000	3.99	154.88	7.77	4.12	154.6	2.72	--	--	--	4.90	154.34	7.37	4.70	154.17	10.51	NM	NM	NG	5.76	154.22	3.18
11/13/2000	4.53	154.34	2.02	4.58	154.14	2.11	--	--	--	5.44	153.8	8.38	3.32	155.55	10.55	9.93	149.57	1.56	9.93	150.05	1.56
12/6/2000	4.80	154.07	2.06*	4.67	154.05	2.39*	--	--	--	6.44	152.8	5.82	5.19	153.68	10.66*	8.04	151.46	6.97*	6.45	153.53	0.6*
1/8/2001	4.65	154.22	8.61	4.58	154.14	4.28	--	--	--	6.02	153.22	5.59	5.18	153.69	10.58	7.85	151.65	1.97	6.30	153.68	2.21
2/19/2001	4.60	154.27	9.38	4.20	154.52	8.91	--	--	--	5.56	153.68	6.59	6.64	152.23	8.94	6.92	152.58	1.14	5.62	154.36	1.38
3/28/2001	3.32	155.55	13.77*	3.15	155.57	9.77*	--	--	--	4.70	154.54	13.08*	3.67	155.20	10.95*	6.41	153.09	16.11*	4.50	155.48	11.53*
4/19-4/20/01	NM	NM	NM	NM	NM	NM	--	--	--	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/2001	3.68	155.19	0.74	3.45	155.27	0.58	--	--	--	5.11	154.13	0.58	4.53	154.34	1.48	NM	NM	NM	5.00	154.98	1.14
6/20-6/21/01	3.98	154.89	0.68	3.73	154.99	0.70	--	--	--	5.65	153.59	0.81	4.52	154.35	5.68	7.12	152.38	1.07	5.15	154.83	0.63
7/30/2001	4.91	153.96	0.36	4.60	154.12	0.31	--	--	--	6.13	153.11	2.16	5.93	152.94	6.65	NM	NM	NM	5.95	154.03	0.53
8/16/2001	5.14	153.73	0.45	5.06	153.66	0.43	--	--	--	6.92	152.32	0.54	7.25	151.62	4.09	8.13	151.37	0.69	6.38	153.60	0.57
9/10/2001	4.98	153.89	0.58	5.33	153.39	0.54	--	--	--	7.61	151.63	0.79	5.15	153.72	10.72	7.55	151.95	0.89	6.90	153.08	0.39
10/31/2001	5.40	153.47	0.87	5.84	152.88	0.69	--	--	--	6.82	152.42	1.92	5.63	153.24	3.14	9.56	149.94	0.56	7.23	152.75	0.72
11/29/2001	6.08	152.79	0.59	6.32	152.40	0.47	--	--	--	6.92	152.32	1.56	8.27	150.60	2.41	8.61	150.89	0.91	7.65	152.33	0.93
12/13/2001	6.69	152.18	0.91	6.54	152.18	0.56	--	--	--	7.92	151.32	4.15	7.85	151.02	5.80	11.23	148.27	0.52	7.82	152.16	0.67
1/17/2002	6.07	152.80	0.59	6.29	152.43	1.40	--	--	--	NM	NM	NM	7.93	150.94	2.60	9.10	150.40	1.30	7.83	152.15	1.33
2/21/2002	6.75	152.12	NM	6.63	152.09	1.36	--	--	--	7.68	151.56	0.72	6.96	151.91	4.07	9.18	150.32	1.22	7.82	152.16	0.65
3/20/2002	6.77	152.10	NM	6.70	152.02	NM	--	--	--	7.68	151.56	1.38	7.00	151.87	1.32	NM	NM	NM	7.93	152.05	0.70
4/17/2002	6.64	152.23	3.46	6.30	152.42	3.16	--	--	--	7.34	151.90	5.34	7.11	151.76	2.03	NM	NM	NM	7.33	152.65	2.94
5/22/2002	5.03	153.84	0.95	4.83	153.89	0.50	--	--	--	6.06	153.18	1.06	5.20	153.67	1.56	NM	NM	NM	6.14	153.84	0.87
09/23&24/2002	4.91	153.96	0.73	4.94	153.78	0.42	--	--	--	5.69	153.55	5.95	5.58	153.29	5.43	**7.99**	**151.51**	0.63	6.38	153.60	0.81
10/21/2002	3.98	154.89	0.27	4.02	154.70	0.22	--	--	--	5.54	153.70	1.09	4.00	154.87	8.60	**5.94**	**153.56**	2.18	5.23	154.75	0.33
11/15/2002	4.55	154.32	0.83	4.35	154.37	0.77	--	--	--	4.91	154.33	6.02	4.88	153.99	2.95	**7.29**	**152.21**	1.45	5.62	154.36	1.02
12/17/2002	3.07	155.80	0.44	2.91	155.81	0.38	--	--	--	4.50	154.74	1.11	3.39	155.48	2.01	**4.24**	**155.26**	0.61	4.15	155.83	0.78
1/17/2003	2.82	156.05	0.77	2.61	156.11	0.67	--	--	--	6.02	153.22	1.08	NM	NM	NM	**5.95**	**153.55**	0.88	4.00	155.98	0.89
2/12/2003	2.65	156.22	1.13	2.61	156.11	1.04	--	--	--	4.28	154.96	0.87	NM	NM	NM	**4.49**	**155.01**	0.55	2.98	157.00	0.66
3/20/2003	2.20	156.67	1.43	2.00	156.72	1.28	--	--	--	NM	NM	NM	NM	NM	NM	**2.55**	**156.95**	0.77	3.26	156.72	0.91
4/21/2003	2.35	156.52	NM	2.18	156.54	NM	--	--	--	3.80	155.44	2.49	2.63	156.24	1.85	**5.86**	**153.64**	1.61	3.54	156.44	1.44
5/28/2003	3.21	155.66	8.81	3.04	155.68	1.06	--	--	--	4.70	154.54	6.97	3.50	155.37	10.82	**5.29**	**154.21**	1.04	4.42	155.56	0.89
7/9/2003	3.48	155.39	2.2	3.26	155.46	0.6	--	--	--	3.95	155.29	5.5	3.73	155.14	10.39	**6.44**	**153.06**	0.75	4.59	155.39	0.79
9/3/2003	3.63	155.24	2.35	3.39	155.33	1.67	--	--	--	0.50	158.74	0.91	3.98	154.89	1.21	**6.53**	**152.97**	0.51	4.82	155.16	0.83
10/16/2003	3.44	155.43	0.62	3.62	155.10	0.44	--	--	--	4.64	154.60	6.15	4.00	154.87	0.99	**6.69**	**152.81**	1.56	4.71	155.27	0.92
1/22/2004	**	**	**	**	**	**	1.89		7.19	6.53	152.71	7.82	NM	NM	NM	**6.18**	**153.32**	1.66	3.85	156.13	0.95

Notes:
Joint water level gaugiNM on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.
NM = Not Measured.
NI = Not installed as of this date.

Red = corrected groundwater elevation measurement

** = well removed October 2003

-- = Well not installed until October 2003

All dissolved oxygen measurements are in mg/l.
* = DO measurement incorrect due to malfunctioning meter.

TABLE 4
FORMER IBM HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	ME-15			ME-16			ME-18			ME-19			PZ-1		
	TOC Elev. 159.66'			TOC Elev. 159.09'			TOC Elev. 157.82'			TOC Elev. 161.08'			TOC Elev. 157.46'		
Date	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**
12/30/1996	3.58	156.08	NM	2.45	156.64	NM	2.31	155.51	NM	NM	NM	NM	NM	NM	NM
4/2/1997	3.58	156.08	NM	2.43	156.66	NM	2.27	155.55	NM	6.31	154.77	NM	NM	NM	NM
5/21/1999	5.10	154.56	9.09	4.00	155.09	9.86	3.29	154.53	14.69	7.68	153.4	13.17	NM	NM	NI
2/9/2000	NM	NM	NM	NM	NM	NM	4.89	152.93	NM	8.86	152.22	NM	NM	NM	NM
6/28/2000	4.20	155.46	NM	2.55	156.54	NM	1.95	155.87	NM	7.48	153.6	NM	3.24	154.22	NM
8/3/2000	4.29	155.37	3	3.65	155.44	0.86	3.17	154.65	3.36	7.37	153.71	2.32	3.89	153.57	0.5
8/10/2000	4.35	155.31	NM	3.59	155.50	NM	3.13	154.69	NM	7.32	153.76	NM	3.84	153.62	NM
8/31/2000	4.53	155.13	3.78	3.58	155.51	3.88	3.18	154.64	4.51	8.08	153.00	2.48	4.50	152.96	6.39
9/21/2000	5.07	154.59	1.67	3.96	155.13	1.98	3.17	154.65	2.96	7.32	153.76	3.93	3.70	153.76	1.19
10/16/2000	5.44	154.22	4.33	4.52	154.57	3.58	6.99	150.83	2.89	4.50	156.58	3.93	4.91	152.55	3.51
11/13/2000	5.51	154.15	1.71	4.81	154.28	2.19	6.00	151.82	2.19	8.87	152.21	2.96	3.40	154.06	2.84
12/6/2000	6.05	153.61	0.35	5.30	153.79	16.08*	5.43	152.39	15.24*	7.96	153.12	12.57*	4.91	152.55	3.72
1/8/2001	6.00	153.66	2.51	NM	NM	NM	5.60	152.22	2.73	8.25	152.83	0.44	NM	NM	NM
2/19/2001	9.31	150.35	1.22	NM	NM	NM	3.94	153.88	8.71	7.81	153.27	3.28	NM	NM	NM
3/28/2001	4.16	155.50	17.42*	3.26	155.83	12.62*	2.55	155.27	10.86*	7.51	153.57	14.44*	3.41	154.05	NM
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/2001	NM	NM	NM	3.85	155.24	0.85	3.36	154.46	1.89	7.59	153.49	1.19	4.11	153.35	2.63
6/20-6/21/01	4.59	155.07	1.30	3.94	155.15	0.61	3.41	154.41	3.35	8.21	152.87	0.66	4.31	153.15	2.11
7/30/2001	NM	NM	NM	4.80	154.29	0.50	3.18	154.64	2.49	8.61	152.47	0.63	5.11	152.35	2.47
8/16/2001	6.03	153.63	1.71	5.25	153.84	0.64	4.40	153.42	2.28	8.84	152.24	0.76	5.60	151.86	2.21
9/10/2001	8.56	151.10	0.98	5.77	153.32	0.85	4.82	153.00	3.49	9.65	151.43	1.25	WNA	WNA	WNA
10/31/2001	6.89	152.77	0.61	6.15	152.94	1.35	4.96	152.86	2.97	NM	NM	NM	5.89	151.57	2.12
11/29/2001	9.76	149.90	0.73	6.56	152.53	0.43	5.67	152.15	1.47	9.84	151.24	0.71	4.87	152.59	1.09
12/13/2001	8.01	151.65	0.41	6.80	152.29	0.52	6.85	150.97	1.88	10.27	150.81	NM	6.49	150.97	2.82
1/17/2002	7.93	151.73	2.62	NM	NM	NM	6.47	151.35	1.26	9.55	151.53	0.76	6.11	151.35	2.13
2/21/2002	7.58	152.08	1.92	6.91	152.18	0.70	6.04	151.78	1.19	9.77	151.31	0.41	6.17	151.29	1.86
3/20/2002	NM	NM	NM	6.92	152.17	0.90	6.01	151.81	96.00	9.70	151.38	0.63	6.18	151.28	1.51
4/17/2002	NM	NM	NM	6.35	152.74	1.48	NM	NM	NM	9.22	151.86	1.61	5.72	151.74	4.96
5/22/2002	NM	NM	NM	4.64	154.45	0.85	NM	NM	NM	8.15	152.93	0.62	4.67	152.79	0.38
09/23&24/202	6.04	153.62	1.34	5.24	153.85	0.73	4.60	153.22	NM	8.60	152.48	1.97	5.24	152.22	0.47
10/21/2002	4.85	154.81	1.53	4.12	154.97	0.44	NM	NM	NM	7.59	153.49	3.93	4.23	153.23	1.73
11/15/2002	5.27	154.39	2.64	4.46	154.63	2.64	NM	NM	NM	7.94	153.14	2.09	4.50	152.96	0.83
12/17/2002	4.08	155.58	0.55	4.70	154.39	0.62	NM	NM	NM	6.60	154.48	0.99	3.15	154.31	1.22
1/17/2003	4.17	155.49	1.01	NM	NM	NM	NM	NM	NM	6.60	154.48	0.97	3.30	154.16	0.96
2/12/2003	4.26	155.40	0.83	NM (snow)	NM (snow)	NM (snow)	2.38	155.44	0.91	6.04	155.04	1.05	3.62	153.84	0.80
3/20/2003	2.97	156.69	0.69	2.44	156.65	0.79	1.46	156.36	1.13	5.91	155.17	1.06	2.50	154.96	0.71
4/21/2003	3.22	156.44	1.78	2.11	156.98	1.85	1.56	156.26	1.32	6.28	154.80	2.07	2.90	154.56	2.03
5/28/2003	3.83	155.83	0.97	3.03	156.06	0.85	2.49	155.33	1.92	6.90	154.18	0.32	3.46	154.00	0.34
7/9/2003	4.25	155.41	0.91	3.30	155.79	0.77	2.73	155.09	2.79	7.33	153.75	0.72	3.70	153.76	0.75
9/3/2003	4.56	155.10	1.04	3.40	155.69	1.01	2.88	154.94	1.44	7.17	153.91	1.08	NM	NM	0.90
10/16/2003	4.35	155.31	0.93	3.46	155.63	0.88	2.88	154.94	0.90	7.30	153.78	0.60	3.83	153.63	0.68
1/22/2004	3.56	156.10	2.10	NM	NM	NM	3.16	154.66	1.11	7.17	153.91	10.02	3.60	153.86	2.44

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.
NM = Not Measured.
All dissolved oxygen measurements are in mg/l.
* = DO measurement incorrect due to malfunctioning meter.

TABLE 4
FORMER IBM HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	A-8S			A-16S			A-19S			A-20S			A-26S		
	TOC Elev. 157.86'			TOC Elev. 157.40'			TOC Elev. 159.04'			TOC Elev. 158.76'			TOC Elev. 154.94'		
Date	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**
6/28/2000	8.65	149.21	NM	5.06	152.34	NM	5.83	153.21	NM	6.33	152.43	NM	2.04	152.90	NM
8/3/2000	5.07	152.79	2.06	5.37	152.03	0.62	6.79	152.25	2.30	6.64	152.12	0.64	3.40	151.54	3.95
8/10/2000	5.00	152.86	NM	5.29	152.11	NM	6.71	152.33	NM	6.52	152.24	NM	2.61	152.33	NM
8/31/2000	5.25	152.61	3.90	5.57	151.83	1.74	6.89	152.15	3.33	6.82	151.94	4.55	2.55	152.39	8.19
9/21/2000	5.35	152.51	4.59	5.69	151.71	2.48	7.11	151.93	2.37	6.92	151.84	4.38	3.09	151.85	3.47
10/16/2000	5.67	152.19	4.49	5.95	151.45	4.81	7.48	151.56	5.36	7.32	151.44	4.66	3.41	151.53	3.78
11/13/2000	5.65	152.21	3.36	5.92	151.48	8.19	7.39	151.65	7.29	7.22	151.54	5.29	3.90	151.04	2.91
12/6/2000	6.16	151.70	11.84	6.26	151.14	6.81	7.72	151.32	5.54	7.62	151.14	8.33	3.91	151.03	2.99*
1/8/2001	5.88	151.98	1.83	6.09	151.31	7.78	7.57	151.47	4.03	NM	NM	NM	3.50	151.44	0.81
2/19/2001	5.30	152.56	2.34	5.50	151.90	4.90	6.96	152.18	6.41	NM	NM	NM	NM	NM	NM
3/28/2001	4.71	153.15	21.61*	5.01	152.39	NM	6.38	152.66	NM	6.18	152.58	NM	2.75	152.19	20.48*
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/2001	5.30	152.56	1.93	5.62	151.78	1.33	7.05	152.09	1.42	6.79	151.97	0.93	3.00	151.94	1.79
6/20-6/21/01	5.32	152.54	1.70	5.60	151.80	1.95	7.09	151.95	1.01	6.93	151.83	0.58	3.71	151.23	0.53
7/30/2001	6.00	151.86	1.16	6.19	151.21	1.70	7.67	151.37	0.83	7.45	151.31	0.57	3.63	151.31	0.69
8/16/2001	6.28	151.58	0.94	6.43	150.97	1.96	7.94	151.10	0.71	7.79	150.97	0.39	3.90	151.04	0.45
9/10/2001	6.65	151.21	0.83	6.75	150.65	2.00	8.26	150.78	0.77	8.01	150.75	0.84	4.30	150.64	0.59
10/31/2001	6.70	151.16	0.47	6.86	150.54	2.36	8.35	150.69	0.48	8.14	150.62	0.68	4.20	150.74	0.44
11/29/2001	6.94	150.92	0.66	7.09	150.31	4.65	8.60	150.44	2.56	8.34	150.42	1.17	NM	NM	NM
12/13/2001	7.15	150.71	NM	7.13	150.27	2.48	8.68	150.36	1.67	8.35	150.41	NM	4.64	150.30	0.55
1/17/2002	6.89	150.97	0.89	7.05	150.35	5.95	8.53	150.51	2.98	8.28	150.48	1.20	4.40	150.54	0.61
2/21/2002	6.97	150.89	75.00	7.07	150.33	5.86	8.52	150.52	2.57	8.24	150.52	1.26	4.43	150.51	1.10
3/20/2002	6.99	150.87	0.37	7.08	150.32	3.28	8.55	150.49	1.71	8.30	150.46	0.57	4.40	150.54	0.39
4/17/2002	6.54	151.32	1.42	6.71	150.69	4.21	8.22	150.82	1.59	7.94	150.82	1.58	3.93	151.01	1.19
5/22/2002	5.50	152.36	1.02	5.70	151.70	3.62	7.15	151.83	1.78	6.93	151.83	1.47	3.16	151.78	1.81
09/23&24/2002	6.06	151.80	0.63	6.31	151.09	1.64	7.76	151.22	0.36	7.55	151.21	0.28	3.68	151.26	0.35
10/21/2002	5.00	152.86	0.87	5.28	152.12	4.39	6.69	152.29	5.98	6.52	152.24	0.72	2.81	152.13	0.47
11/15/2002	5.43	152.43	2.07	5.72	151.68	4.35	7.15	151.83	4.33	6.93	151.83	1.01	3.25	151.69	1.16
12/17/2002	4.23	153.63	0.76	4.70	152.70	5.92	5.92	153.06	1.04	5.75	153.01	1.24	2.03	152.91	1.23
1/17/2003	4.62	153.24	0.68	NM	NM	NM	6.25	152.73	0.53	6.02	152.74	0.52	2.21	152.73	0.93
2/12/2003	5.15	152.71	0.61	NM (snow)	NM (snow)	NM (snow)	6.43	152.55	0.74	6.05	152.71	1.01	2.01	152.93	0.48
3/20/2003	3.76	154.10	0.49	4.23	153.17	0.87	5.46	153.52	1.01	5.26	153.50	0.63	0.98	153.96	0.52
4/21/2003	4.27	153.59	1.04	4.79	152.61	5.19	6.05	152.93	0.97	5.25	153.51	1.14	2.25	152.69	2.54
5/28/2003	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	2.60	152.34	0.37
7/9/2003	4.58	153.28	2.66	5.08	152.32	0.96	6.41	152.57	0.82	6.25	152.51	1.22	2.82	152.12	0.58
9/3/2003	4.60	153.26	0.77	5.07	152.33	0.87	6.41	152.57	0.54	6.23	152.53	0.48	2.71	152.23	0.85
10/16/2003	4.82	153.04	1.03	5.33	152.07	2.58	6.68	152.30	0.87	6.50	152.26	1.90	3.76	151.18	0.76
1/22/2004	4.61	153.25	3.12	5.01	152.39	7.01	6.37	152.61	4.19	6.28	152.48	2.14	5.61	149.33	7.25

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.
NM = Not Measured.

All dissolved oxygen measurements are in mg/l.
* = DO measurement incorrect due to malfunctioning meter.

TABLE 4
FORMER FLAGSHIP HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	A-27S			A-39S			A-40S			A-41S			A-42S			A-43S			A-44S		
	TOC Elev. 157.74'			TOC Elev. 159.51			TOC Elev. 161.03'			TOC Elev. 160.64'			TOC Elev. 159.40'			TOC Elev. 157.89'			TOC Elev. 155.33'		
Date	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**	**DTW**	**GW Elev**	**DO**
6/28/2000	4.35	153.39	NM	6.75	152.76	NM	7.81	153.22	NM	7.94	152.70	NM	7.05	152.35	NM	4.75	153.14	NM	2.72	152.61	NM
8/3/2000	5.27	152.47	1.00	7.05	152.46	5.78	7.88	153.15	0.48	7.71	152.93	0.54	7.88	151.52	0.47	5.77	152.12	2.15	4.32	151.01	1.88
8/10/2000	5.20	152.54	NM	6.96	152.55	NM	7.66	153.37	NM	7.61	153.03	NM	7.60	151.80	NM	4.66	153.23	NM	4.30	151.03	NM
8/31/2000	5.32	152.42	2.90	7.23	152.28	7.28	8.55	152.48	2.31	8.09	152.55	9.36	6.98	152.42	2.04	5.07	152.82	2.11	NG	NG	WNA
9/21/2000	4.83	152.91	2.99	7.47	152.04	6.18	6.75	154.28	3.59	7.37	153.27	7.36	5.43	153.97	2.68	4.64	153.25	3.18	NG	NG	WNA
10/16/2000	5.43	152.31	3.43	7.58	151.93	7.57	7.22	153.81	2.89	7.90	152.74	9.26	6.27	153.13	3.81	5.52	152.37	3.38	4.83	150.50	3.59
11/13/2000	5.19	152.55	3.38	7.62	151.89	9.32	7.54	153.49	2.58	8.02	152.62	3.53	5.77	153.63	2.67	4.81	153.08	2.49	4.83	150.5	3.05
12/6/2000	5.78	151.96	4.17*	6.02	153.49	5.26	8.37	152.66	4.08	8.43	152.21	12.17*	6.86	152.54	4.47*	5.67	152.22	12.23*	5.04	150.29	2.56
1/8/2001	5.55	152.19	1.09	7.81	151.70	7.47	NM	NM	NM	8.10	152.54	1.79	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/19/2001	5.01	152.73	8.53	7.20	152.31	3.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
3/28/2001	4.50	153.24	17.84*	6.70	152.81	NM	7.24	153.79	NM	7.60	153.04	15.18*	5.62	153.78	15.19*	4.20	153.66	16.00*	3.89	151.44	NM
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/2001	5.05	152.69	0.94	7.41	152.10	3.86	7.70	153.33	0.54	NG	NG	NM	6.01	153.39	0.60	4.76	153.10	0.93	4.49	150.84	0.93
6/20-6/21/01	5.24	152.50	0.69	7.36	152.15	4.99	8.35	152.68	0.71	8.00	152.64	0.58	7.10	152.30	0.82	5.22	152.64	1.10	4.52	150.81	0.55
7/30/2001	6.04	151.70	0.73	7.97	151.54	4.39	8.76	152.27	0.53	8.58	152.06	0.78	7.63	151.77	0.65	5.86	152.03	1.08	4.97	150.36	1.01
8/16/2001	6.33	151.41	0.98	8.24	151.27	2.09	9.60	151.43	0.69	9.11	151.53	0.74	8.07	151.33	0.81	6.24	151.65	0.91	5.41	149.92	0.37
9/10/2001	6.98	150.76	0.67	8.55	150.96	1.35	11.24	149.79	0.56	10.13	150.51	0.52	9.30	150.10	1.63	6.75	151.14	0.94	5.42	149.91	0.90
10/31/2001	6.64	151.10	0.60	8.72	150.79	0.78	9.46	151.57	0.92	9.18	151.46	0.43	7.88	151.52	0.51	6.47	151.42	0.77	5.51	149.82	0.39
11/29/2001	6.93	150.81	0.66	8.93	150.58	0.69	10.46	150.57	0.43	10.02	150.62	0.70	8.54	150.86	0.93	6.82	151.07	1.40	NM	NM	NM
12/13/2001	7.28	150.46	0.16	8.96	150.55	NM	10.27	150.76	0.43	9.88	150.76	0.54	8.71	150.69	0.38	6.98	150.91	0.26	5.74	149.59	0.79
1/17/2002	6.85	150.89	0.70	8.87	150.64	1.20	9.70	151.33	1.20	9.93	150.71	0.60	8.12	151.28	0.85	6.62	151.27	1.53	5.64	149.69	NM
2/21/2002	6.89	150.85	1.14	8.88	150.63	0.97	9.81	151.22	0.19	9.51	151.13	0.72	8.12	151.28	0.50	6.78	151.11	0.42	5.65	149.68	NM
3/20/2002	6.90	150.84	0.41	8.92	150.59	0.59	9.78	151.25	0.28	10.22	150.42	0.27	9.71	149.69	0.49	7.60	150.29	0.75	5.80	149.53	1.35
4/17/2002	6.45	151.29	1.74	8.50	151.01	0.87	9.94	151.09	2.33	9.79	150.85	1.37	9.33	150.07	1.53	7.20	150.69	1.52	5.21	150.12	1.93
5/22/2002	5.57	152.17	1.05	7.42	152.09	6.42	8.25	152.14	0.52	8.13	151.84	0.71	6.86	150.99	0.47	5.31	151.75	0.57	5.06	150.27	0.96
09/23&24/2002	6.06	151.68	0.39	8.07	151.44	1.84	9.43	150.96	0.21	9.62	150.35	0.43	8.78	149.07	0.41	6.67	150.39	0.51	4.94	150.39	0.84
10/21/2002	5.13	152.61	1.20	6.91	152.60	7.85	8.40	151.99	0.75	8.79	151.18	0.43	7.88	149.97	0.47	5.65	151.41	0.77	4.30	151.03	0.77
11/15/2002	5.48	152.26	1.13	7.43	152.08	7.99	8.72	151.67	1.71	8.67	151.30	1.79	8.14	149.71	0.98	5.98	151.08	2.35	4.53	150.80	2.35
12/17/2002	4.28	153.46	1.38	6.15	153.36	0.72	7.40	152.99	0.91	7.51	152.46	1.16	6.74	151.11	0.93	4.62	152.44	1.08	3.87	151.46	0.91
1/17/2003	4.44	153.30	0.47	6.60	152.91	0.73	7.42	152.97	0.89	7.81	152.16	0.91	6.83	151.02	0.86	4.67	152.39	0.55	4.08	151.25	0.71
2/12/2003	5.87	151.87	0.59	6.81	152.70	0.85	6.70	153.69	0.64	6.75	153.22	0.88	6.56	151.29	0.51	5.38	151.68	0.73	2.43	152.90	0.81
3/20/2003	3.78	153.96	0.46	3.87	155.64	0.63	6.75	153.64	0.84	5.31	154.66	0.81	5.99	151.86	0.66	4.03	153.03	0.77	1.87	153.46	0.61
4/21/2003	4.20	153.54	2.01	6.40	153.11	1.43	7.14	153.25	1.11	7.61	152.36	1.03	6.37	151.48	1.43	4.40	152.66	1.08	3.96	151.37	1.50
5/28/2003	4.66	153.08	0.40	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	6.98	153.97 (1)	1.05	5.02	153.70 (1)	1.21	4.16	151.17	0.42
7/9/2003	4.85	152.89	0.67	6.65	152.86	2.23	7.20	153.19	0.70	7.16	152.81	0.87	6.14	151.71	0.82	4.42	152.64	1.30	4.25	151.08	0.51
9/3/2003	4.81	152.93	0.87	6.63	152.88	1.02	7.29	153.10	1.10	7.31	152.66	1.14	5.70	152.15	0.81	4.32	152.74	0.73	4.14	151.19	0.61
10/16/2003	5.02	152.72	0.41	6.98	152.53	5.25	7.45	152.94	0.74	7.48	152.49	0.62	7.26	150.59	0.55	4.40	152.66	0.76	4.31	151.02	0.36
1/22/2004	5.29	152.45	0.69	6.69	152.82	6.46	9.78	150.61	7.67	7.51	152.46	3.35	8.61	149.24	9.46	5.03	152.03	1.46	4.10	151.23	2.61

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, IT Corporation did not collect prior to this date.
NM = Not Measured.
WNA = Well Not Accessible at time of gauging.

All dissolved oxygen measurements are in mg/l.
* = DO measurement incorrect due to malfunctioning meter.
=CORRECTED GROUNDWATER ELEVATIONS

TABLE 5
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS 3 - JANUARY 22, 2004
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NOL W3-0837-00-06, NYSDEC SITE NO. 3-14-101

Field Parameters	NYSDEC Standard (1)	ME-12	ME-13	ME-14	ME-15	ME-16	ME-18	ME-19	MW-1	MW-2	MW-6	MW-7A	MW-8	MW-9/10	MW-20	DG-1	Septic	DUP 1 (MW-9/10)
pH	6.5-8.5	NS	NS	NM	NS	NS	NM	NM	NS	NM	NM	NS	NM	NM	NM	NM	NS	NM
Temperature (deg Celsius)	--	NS	NS	NM	NS	NS	NM	NM	NS	NM	NM	NS	NM	NM	NM	NM	NS	NM
Conductivity (umhos/cm)	--	NS	NS	NM	NS	NS	NM	NM	NS	NM	NM	NS	NM	NM	NM	NM	NS	NM
Turbidity (NTU)	5	NS	NS	NM	NS	NS	NM	NM	NS	NM	NM	NS	NM	NM	NM	NM	NS	NM
Dissolved Oxygen (ppm)	--	NS	NS	0.95	NS	NS	3.16	10.02	NS	2.11	6.29	NS	2.46	7.19	7.82	6.46	NS	7.19
Volatile Organic Compound by ASP/CLP Method (ug/L)																		
Vinyl Chloride	2	NS	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
Chloroethane	5	NS	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
Acetone	--	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Carbon Disulfide	--	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
1,1-Dichloroethane	5	NS	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	0.6J	ND	ND	ND	NS	ND
cis-1,2-Dichloroethene	5	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
trans-1,2-Dichloroethene	5	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
1,2-Dichloroethene, Total	5	NS	NS	ND	NS	NS	ND	1J	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
MEK (2-Butanone)	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Toluene	5	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Ethylbenzene	5	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Total Xylenes	5	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Tetrachloroethene	5	NS	NS	0.5J	NS	NS	ND	2	NS	ND	2	NS	ND	ND	ND	ND	NS	ND
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)																		
Phenol	1 (3)	NS	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
2,4-Dimethylphenol	1 (3)	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
4-Methylphenol	1 (3)	NS	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
Naphthalene	--	NS	NS	ND	NS	NS	ND	ND	NS	ND	5	NS	ND	ND	ND	ND	NS	ND
Phenanthrene	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Pyrene	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Acenaphthalene	20	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Fluoranthene	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Chrysene	0.002	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
2-Methylnaphthalene	--	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Diethyl phthalate	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Butyl benzyl phthalate	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Di-n-butyl phthalate	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Di-n-octyl phthalate	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA
Bis (2-ethylhexyl) phthalate	50	NS	NS	NA	NS	NS	NA	NA	NS	NA	NA	NS	NA	NA	NA	NA	NS	NA

Notes:
Only compounds detected at one or more sampling locations are listed.
BOLD values indicate detections above NYSDEC Standards or Guidance Values.
(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.
(3) = The collective sum of all phenol compounds should not exceed 1 ug/l.
U = Indicates compound was analyzed for but not detected.
J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.
D = Identifies all compounds in analysis at a secondary dilution factor.
NA = Not Analyzed.
NS = Not Sampled.
ND = Not Detected.
NM = Not Measured.

TABLE 5
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS -January 22, 2004
FORMER IBM SHALLOW WELLS
ORDER ON CONSENT NO. W3-0837-00-06, NYSDEC SITE NO. 3-14-101

Field Parameters	NYSDEC Standard (1)	A-8S	A-26S	A-27S	A-41S	A-42S	A-43S
pH	6.5-8.5	NS	NM	NM	NS	NM	NM
Temperature (deg Celsius)	--	NS	NM	NM	NS	NM	NM
Conductivity (umhos/cm)	--	NS	NM	NM	NS	NM	NM
Turbidity (NTU)	5	NS	NM	NM	NS	NM	NM
Dissolved Oxygen (ppm)	--	NS	7.25	0.69	NS	9.46	1.46
Volatile Organic Compound by ASP/CLP Method (ug/L)							
Vinyl Chloride	2	NS	ND	ND	NS	ND	ND
Chloroethane	5	NS	ND	ND	NS	ND	ND
1,1-Dichloroethane	5	NS	ND	2	NS	0.5J	0.8J
cis-1,2-Dichloroethene	5	NS	NA	NA	NS	NA	NA
trans-1,2-Dichloroethene	5	NS	NA	NA	NS	NA	NA
1,2-Dichloroethene, Total	5	NS	ND	**8**	NS	ND	ND
Trichloroethene	5	NS	ND	ND	NS	ND	ND
Toluene	5	NS	NA	NA	NS	NA	NA
Ethylbenzene	5	NS	NA	NA	NS	NA	NA
Xylenes, Total	5	NS	NA	NA	NS	NA	NA
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)							
4-Methylphenol	1	NS	ND	ND	NS	ND	ND
2,4-Dimethylphenol	5	NS	NA	NA	NS	NA	NA
Naphthalene	--	NS	ND	ND	NS	ND	ND
4-Chloroaniline	--	NS	NA	NA	NS	NA	NA
bis-2-Ethylhexyl phthalate	5	NS	NA	NA	NS	NA	NA
2-Methylnaphthalene	--	NS	NA	NA	NS	NA	NA
Di-n-octyl phthalate	--	NS	NA	NA	NS	NA	NA

Notes:
Only compounds detected at one or more sampling locations are listed.
BOLD values indicate detections above NYSDEC Standards or Guidance Values.
Laboratory data on this table includes third party validation.
(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.
U = Indicates compound was analyzed for but not detected.
J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.
D = Identifies all compounds in analysis at a secondary dilution factor.
NA = Not Analyzed.
NS = Not Sampled.
ND = Not Detected.
NM = Not Measured.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**ME-12**							**ME-13**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	10U	9U	9U	9U	9U	10UR	10U

Volatile Organic	**NYSDEC**	**ME-12**							**ME-13**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NS	NS	10U	NS	NS	1U	NS	NS	NS	10U	NS	NS	NS	NS
1,1,1-Trichloroethane	5	NS	NS	10U	NS	NS	1U	NS	NS	NS	10U	NS	NS	NS	NS
Trichloroethene	5	NS	NS	10U	NS	NS	1U	NS	NS	NS	10U	NS	NS	NS	NS
Tetrachloroethene	5	NS	NS	10U	NS	NS	1U	NS	NS	NS	10U	NS	NS	NS	NS
Toluene	5	NS	NS	10U	NS	NS	1U	NS	NS	NS	10U	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	NS	10U	NS	NS	5U	NS	NS	NS	10U	NS	NS	NS	NS

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Identifies all compounds in analysis at a secondary dilution factor.

R = Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

NA = Not Analyzed.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**ME-14**							**ME-15**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/29/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	**1J**	**6J**	**2J**	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	10U	**0.7J**	9UJ	9U	10U	10U	10U

Volatile Organic	**NYSDEC**	**ME-14**							**ME-15**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NS	NS	10U	NS	NS	1U	1U	NS	NS	10U	NS	NS	NS	NS
1,1,1-Trichloroethane	5	NS	NS	10U	NS	NS	1U	1U	NS	NS	10U	NS	NS	NS	NS
Trichloroethene	5	NS	NS	10U	NS	NS	1U	1U	NS	NS	10U	NS	NS	NS	NS
Tetrachloroethene	5	NS	NS	10U	NS	NS	**2**	**0.5J**	NS	NS	10U	NS	NS	NS	NS
Toluene	5	NS	NS	10U	NS	NS	1U	NA	NS	NS	10U	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	NS	10U	NS	NS	5U	5U	NS	NS	10U	NS	NS	NS	NS

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Identifies all compounds in analysis at a secondary dilution factor.

R = Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

NA = Not Analyzed.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**ME-16**							**ME-18**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	**6J**	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	10U	50U	10U	47U	10U	10U	**11**	**5J**	9U	10U	9U	10U	10U

Volatile Organic	**NYSDEC**	**ME-16**							**ME-18**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NS	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U
1,1,1-Trichloroethane	5	NS	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U
Trichloroethene	5	NS	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U
Tetrachloroethene	5	NS	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U
Toluene	5	NS	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	NS	10U	NS	NS	NS	NS	NS	NS	11U	NS	NS	5U	5U

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Identifies all compounds in analysis at a secondary dilution factor.

R = Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

NA = Not Analyzed.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**ME-19**							**MW-1**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/29/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	**11**	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	**3J**	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**30**	9U	**1J**	10U	**6J**	**10U**	**2J**	10U	9U	9U	10U	9U	10U	10U

Volatile Organic	**NYSDEC**	**ME-19**							**MW-1**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	10U	10U	10U	1U	1U	**0.3J**	1U	NS	NS	10U	NS	NS	NS	NS
1,1,1-Trichloroethane	5	10U	10U	10U	1U	1U	1U	1U	NS	NS	10U	NS	NS	NS	NS
Trichloroethene	5	10U	10U	10U	1U	1U	1U	1U	NS	NS	10U	NS	NS	NS	NS
Tetrachloroethene	5	10U	10U	10U	1U	1U	1U	**2**	NS	NS	10U	NS	NS	NS	NS
Toluene	5	10U	10U	10U	1U	1U	1U	NA	NS	NS	10U	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	10U	10U	10U	10U	5U	5U	NS	NS	10U	NS	NS	NS	NS

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Identifies all compounds in analysis at a secondary dilution factor.

R = Data unusable (compound may or may not be present).

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TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**MW-2**							**MW-6**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	**4J**	**5J**	**18**	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	9U	9U	10U	10U	10U	10U	**39**	**10**	9U	10U	10U	10U	10U

Volatile Organic	**NYSDEC**	**MW-2**							**MW-6**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NS	NS	10U	NS	NS	1U	1U	10U	10U	10U	1U	1U	1U	1U
1,1,1-Trichloroethane	5	NS	NS	10U	NS	NS	1U	1U	10U	10U	10U	1U	1U	1U	1U
Trichloroethene	5	NS	NS	10U	NS	NS	1U	1U	10U	10U	10U	1U	1U	1U	1U
Tetrachloroethene	5	NS	NS	10U	NS	NS	1U	1U	**10**	10U	10U	1U	1U	**2**	**2**
Toluene	5	NS	NS	10U	NS	NS	1U	NA	10U	10U	10U	1U	1U	1U	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	NS	10U	NS	NS	5U	5U	**40**	10U	**62**	1U	10U	**2J**	**5**

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

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(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

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TABLE 6
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FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**MW-7A**							**MW-8**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	**1J**	**2J**	**2J**	5U	**2J**
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	**3J**	10U	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	9U	9U	10U	9U	10U	**1J**	10U	**7J**	9U	9U	10U	10U	10U

Volatile Organic	**NYSDEC**	**MW-7A**							**MW-8**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	**0.6J**	**0.8J**	**0.5J**	**0.6J**
1,1,1-Trichloroethane	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	1U
Trichloroethene	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	1U
Tetrachloroethene	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	1U
Toluene	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	10U	10U	5U	5U

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

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(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

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FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**MW-9**							**MW-10**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	**530**	**99**	**170J**	**160J**	**20J**	**210**	**190**	**61**	**39J**	**8J**	**5J**	**10J**	**11**	**27**
1,1,1-Trichloroethane	5	**150**	**24**	**45J**	**25J**	200U	**61**	**27**	**29**	40U	40U	40U	**5J**	25U	**1J**
Trichloroethene	5	10U	**2J**	200U	200U	200U	25U	5U	**13J**	40U	40U	40U	40U	25U	25U
Tetrachloroethene	5	**490**	**56D**	**680**	**260**	**210**	**340**	**240**	**250**	40U	**36J**	**52**	**44**	**53**	**97**
Toluene	5	40U	**9J**	**25J**	200U	200U	**30**	**22**	10U	40U	40U	10U	40U	**3J**	**5**
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**1100D**	**710D**	**9600D**	**2200D**	**1000D**	**3300UR**	**1200**	**19**	**88**	**140**	**410**	52U	**3200J**	**430**

Volatile Organic	**NYSDEC**	**MW-9**							**MW-10**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	200U	**7J**	10U	**7J**	**3J**	**4J**	--	**7J**	10U	10U	**3J**	10U	10U	--
1,1,1-Trichloroethane	5	200U	10U	10U	10U	10U	10U	--	**4J**	10U	10U	10U	10U	10U	--
Trichloroethene	5	200U	10U	10U	10U	10U	10U	--	10U	10U	10U	10U	10U	10U	--
Tetrachloroethene	5	**280**	**74**	**70**	**95**	**34**	**84**	--	**74**	**43**	**26**	**54**	**71**	**63**	--
Toluene	5	200U	2J	10U	4J	10U	10U	--	10U	10U	10U	10U	10U	10U	--
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**170**	**340D**	**260**	**1200D**	**96U**	**810E**	--	**55**	**8JD**	10U	**530D**	**1200D**	**490E**	--

Notes:

All data presented in ug/L.

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(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

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R = Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

NI = Monitoring well not installed as of this date.

NA = Not Analyzed.

-- = Well removed in October 2003 and replaced with MW-9/10R

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**MW-9/10R**							**MW-20**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U
Trichloroethene	5	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U
Toluene	5	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NI	NI	NI	NI	NI	NI	NI	NI	**57**	9U	10U	9U	10U	10U

Volatile Organic	**NYSDEC**	**MW-9/10R**							**MW-20**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NI	NI	NI	NI	NI	NI	1U	10U	10U	10U	1U	1U	1U	1U
1,1,1-Trichloroethane	5	NI	NI	NI	NI	NI	NI	1U	10U	10U	10U	1U	1U	1U	1U
Trichloroethene	5	NI	NI	NI	NI	NI	NI	1U	10U	10U	10U	1U	1U	1U	1U
Tetrachloroethene	5	NI	NI	NI	NI	NI	NI	1U	10U	10U	10U	1U	1U	1U	1U
Toluene	5	NI	NI	NI	NI	NI	NI	NA	10U	10U	10U	1U	1U	1U	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NI	NI	NI	NI	NI	NI	5U	10U	10U	**60**	10U	10U	5U	5U

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

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NI = Monitoring well not installed as of this date.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**DG-1**							**Septic Tank/Sanitary Sewer**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/29/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	NS	10UJ	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	NS	10UJ	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	NS	10UJ	10U	10U	5U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	NS	10UJ	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	NS	10UJ	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	9U	9U	9U	9U	10U	10U	10U	NS	9UR	10U	10U	10U	10U

Volatile Organic	**NYSDEC**	**DG-1**							**Septic Tank/Sanitary Sewer**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NS	NS	10U	NS	NS	1U	1U	NS	NS	10U	NS	NS	NS	NS
1,1,1-Trichloroethane	5	NS	NS	10U	NS	NS	1U	1U	NS	NS	10U	NS	NS	NS	NS
Trichloroethene	5	NS	NS	10U	NS	NS	1U	1U	NS	NS	10U	NS	NS	NS	NS
Tetrachloroethene	5	NS	NS	10U	NS	NS	1U	1U	NS	NS	10U	NS	NS	NS	NS
Toluene	5	NS	NS	10U	NS	NS	1U	NA	NS	NS	10U	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	NS	10U	NS	NS	5U	5U	NS	NS	10U	NS	NS	NS	NS

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

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FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**A-8S**							**A-26S**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	5U	NI	**14**	**16**	**17**	**14**	**17**	**16**
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NI	9U	9UJ	9U	9U	10U	10U	NI	9U	9UJ	10U	10U	10U	10U

Volatile Organic	**NYSDEC**	**A-8S**							**A-26S**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2020	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	NS	NS	10U	NS	NS	NS	NS	**14**	**17**	10U	1U	**14**	**12**	1U
1,1,1-Trichloroethane	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	1U
Trichloroethene	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	1U
Tetrachloroethene	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	1U
Toluene	5	NS	NS	10U	NS	NS	NS	NS	10U	10U	10U	1U	1U	1U	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	NS	10U	NS	NS	NS	NS	12U	10U	10U	10U	10U	5U	5U

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

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(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

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FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**A-27S**							**A-41S**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	NI	**2J**	**3J**	**4J**	**4J**	**3J**	5U	NI	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NI	**83D**	**1J**	**18**	**23**	**40U**	**9J**	NI	10U	9UJ	10U	9U	10U	10U

Volatile Organic	**NYSDEC**	**A-27S**							**A-41S**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	**2J**	10U	10U	**2**	**2**	**1**	**2**	NS	NS	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	5	10U	10U	10U	1U	1U	1U	1U	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	10U	10U	10U	1U	1U	**0.5J**	1U	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	5	10U	10U	10U	1U	1U	1U	**0.3J**	NS	NS	NS	NS	NS	NS	NS
Toluene	5	10U	10U	10U	1U	1U	1U	NA	NS	NS	NS	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**4J**	**6J**	10U	10U	**2J**	5U	5U	NS	NS	NS	NS	NS	NS	NS

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Identifies all compounds in analysis at a secondary dilution factor.

R = Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

NA = Not Analyzed.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**A-42S**							**A-43S**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	NI	40U	**11**	**16J**	**4J**	**2J**	**11**	NI	**2J**	**1J**	**1J**	**2J**	5U	**2J**
1,1,1-Trichloroethane	5	NI	40U	10U	40U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Trichloroethene	5	NI	40U	10U	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	NI	40U	10U	40U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Toluene	5	NI	**8J**	**22**	**15J**	**2J**	**4J**	**8**	NI	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NI	**760D**	**1200D**	**1100D**	**550**	**770**	**480**	NI	9U	9UJ	10U	10U	10U	10U

Volatile Organic	**NYSDEC**	**A-42S**							**A-43S**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	**21**	**11**	**5J**	**5**	4U	5U	**0.5J**	**3J**	**4J**	10U	**5**	**3**	**3**	0.8J
1,1,1-Trichloroethane	5	10U	10U	10U	1U	4U	5U	1U	10U	10U	10U	1U	1U	1U	1U
Trichloroethene	5	10U	10U	10U	1U	4U	5U	1U	10U	10U	10U	1U	1U	1U	1U
Tetrachloroethene	5	10U	10U	10U	1U	4U	5U	1U	10U	10U	10U	1U	1U	1U	1U
Toluene	5	**10J**	**10**	10U	**3**	**6**	5U	NA	10U	10U	10U	1U	1U	1U	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**1200**	**1300D**	**870**	**250D**	**1000D**	**350**	5U	10U	**10UJ**	10U	10U	10U	**2J**	5U

Notes:

All data presented in ug/L.

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Identifies all compounds in analysis at a secondary dilution factor.

R = Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

NA = Not Analyzed.

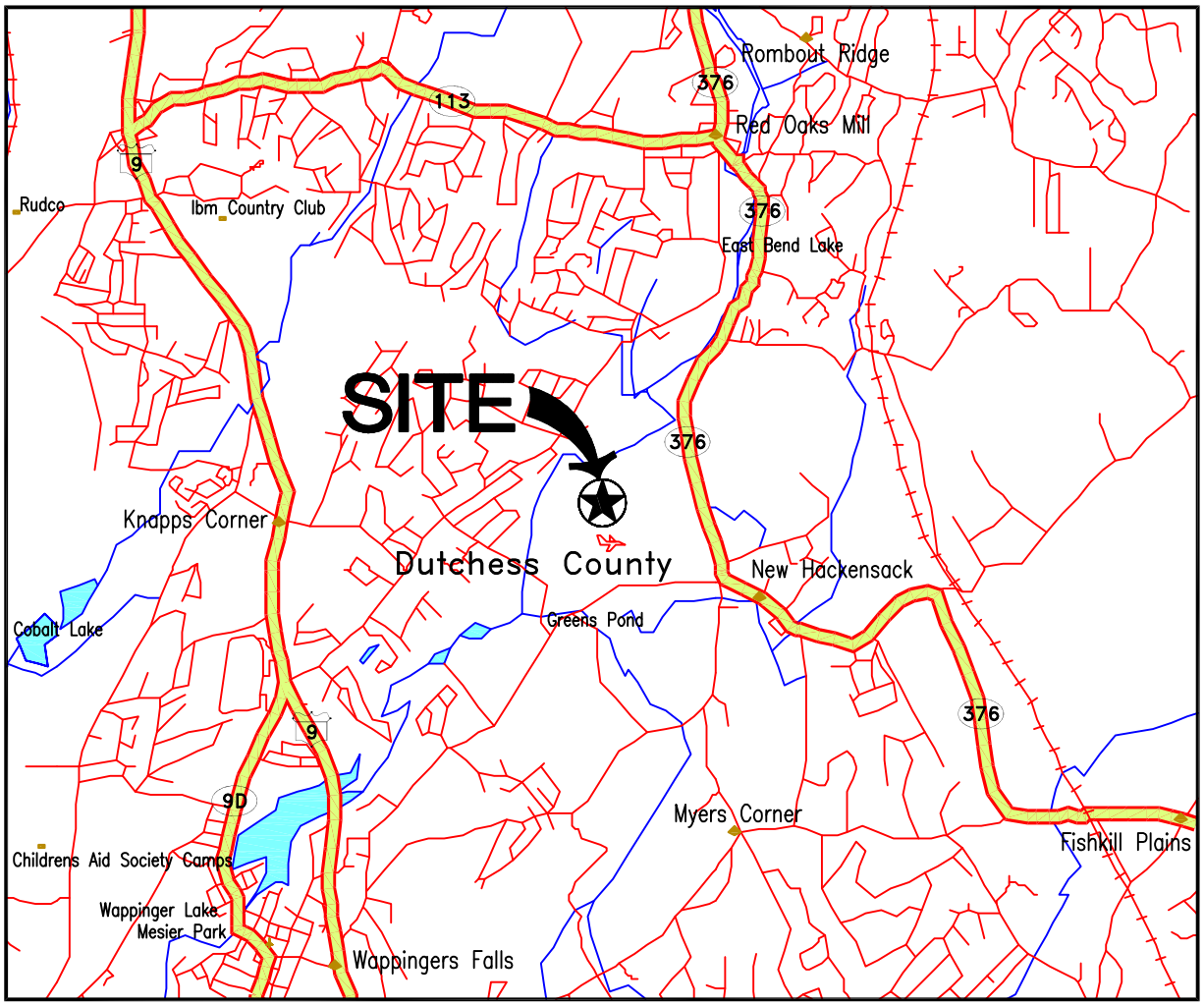
Table 7
Soil Sample Analytical Data
Former Flagship Airlines Hangar - Dutchess County Airport
ORDER ON CONSENT NOL W3-0837-00-06, NYSDEC SITE NO. 3-14-101

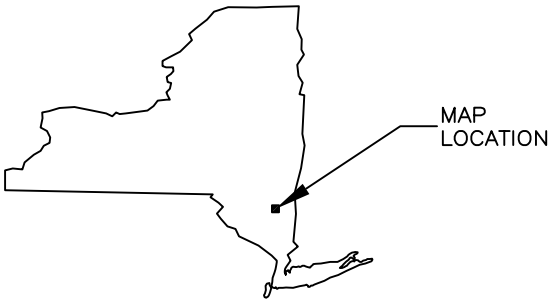
Volatile Organic Compound	NYSDEC Stars TCLP Extraction Guidance Value (ppb)	NYSDEC Stars TCLP Alternative Guidance Value (ppb)	Hazardous Waste Toxicity Characteristic (ppb)	SB0626033(4-6)	SB0626034(11-12)	SB0626034(4-6)
n-Butylbenzene	5	100	--	**1,770**	4.5	**4,310**
sec-Butylbenzene	5	100	--	**244**	ND	**152**
Isopropylbenzene	5	100	--	ND	ND	**7.7**
p-Isopropyltoluene	5	100	--	**238**	ND	**148**
Naphthalene	10	200	--	**4,170**	**11.7**	**12,400**
n-Propylbenzene	5	100	--	**10.1**	ND	**23.8**
Tetrachloroethylene	--	--	1	**370**	ND	**308**
Toluene	5	100	--	ND	ND	**7.7**
1,2,4-Trimethylbenzene	5	100	--	**647**	ND	**750**
1,3,5-Trimethylbenzene	5	100	--	**116**	ND	**127**
m+p Xylene	5	100	--	ND	ND	**28.9**
o-Xylene	5	100	--	**10.3**	ND	**29**
Total VOCs				7,575.4	16.2	**18,292.1**
Semivolatile Organic Compound	NYSDEC Stars TCLP Extraction Guidance Value	NYSDEC Stars TCLP Alternative Guidance Value	Hazardous Waste Toxicity Characteristic (ppb)	SB0626033(4-6)	SB0626034(11-12)	SB0626034(4-6)
Bis(2-ethylhexyl)phthalate	--	--	--	ND	ND	116
Di-n-butylphthalate	--	--	--	ND	ND	90.5
2-Methylnaphthalene	--	--	--	1760	ND	311
Naphthalene	10	200	--	**5350**	ND	**2180**
Total SVOCs	--	--	--	7,110	0.0	2,697.5

Notes:
NYSDEC - New York State Department of Environmental Conservation
Only those compounds detected in one or more samples are presented on this table.
VOCs = Volatile Orgainc Compounds
SVOCs = Semivolatile Organic Compounds
ND=Not Detected

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALB	S. SHKOLNIK 12-22-02			820131A4





SCALE 1:62,500

REFERENCE:
MAP FROM DELORME'S MAP EXPERT,
FREEPORT, MAINE.

Shaw
Shaw Environmental, Inc.

FLAGSHIP
AIRLINES, INC.
(DBA AMERICAN EAGLE)

FIGURE 1

SITE LOCATION MAP
DUTCHESS COUNTY AIRPORT
WAPPINGER FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
J. NAFUS	S. SHKOLNIK			820131D75

OFFICE	DATE
ALBANY, NY	06/17/04

Xref: .
Image: .

L:\project\820131\820131D75.dwg
Plot Date/Time: 06/18/04 09:14am
Plotted by: Samuil.Shkolnik

N

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

SANITARY SEWER

UP

UP

UP

UP

ME-13
A-39S
A-8S
ME-15
A-16S
DG-1
A-19S
A-41S
A-27S
A-44S
A-20S
EW-4
SP-6
A-40S
A-26S
MW-20
ME-19
SP-8
EW-6
A-42S
SP-5
MW-4
MW-8
A-43S
PZ-1
SP-4
EW-3
ME-18
MW-1
MW-3
ME-14
ME-17
EW-5
ME-16
SP-7
MW-2
EW-7
SP-2
EW-2
ME-11
SP-3
ME-12
MW-6
SP-1R
EW-1
MW-9/10R
MW-7A
MW-5

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)

SCALE
0 20 40 60 FEET

REFERENCE:
BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 2
WELL LOCATION MAP
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

OFFICE	ALBANY, NY
DATE	04/23/04
DESIGNED BY	J. NAFUS
DRAWN BY	S. SHKOLNIK
CHECKED BY	
APPROVED BY	
DRAWING NUMBER	820131D69

N

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

ME-13 153.32
A-39S 152.82
A-8S 153.25
ME-15 156.10
A-16S 152.39
A-19S 152.61
DG-1 153.62
SANITARY SEWER
A-27S 152.45
A-41S 152.46
A-20S 152.48
A-44S 151.23
EW-4
SP-6
MW-3
ME-14 156.13
ME-17
ME-16 NM
EW-5
SP-7
MW-20 152.71
153.91
ME-19
SP-8
A-40S 150.61
A-26S 149.33
EW-6
SP-5
A-42S 149.24
MW-4
MW-8 153.23
UP
A-43S 152.03
PZ-1 153.86
MW-2 156.51
EW-7
SP-2
EW-2
ME-11
SP-3
ME-12 NM
SP-4
EW-3
MW-6 156.35
ME-18 154.66
SP-1R
EW-1
MW-9/10R
MW-7A
MW-5
MW-1 NM
UP
UP
UP

153.6
154.4
155.2
156.0
152.8
152.0
151.2
150.4
149.6
156.4

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- GROUNDWATER CONTOUR IN FEET (DASHED WHERE INFERRED)
- 151.23 GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- NM NOT MEASURED

SCALE
0 20 40 60 FEET

REFERENCE:

BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

Shaw Environmental, Inc.

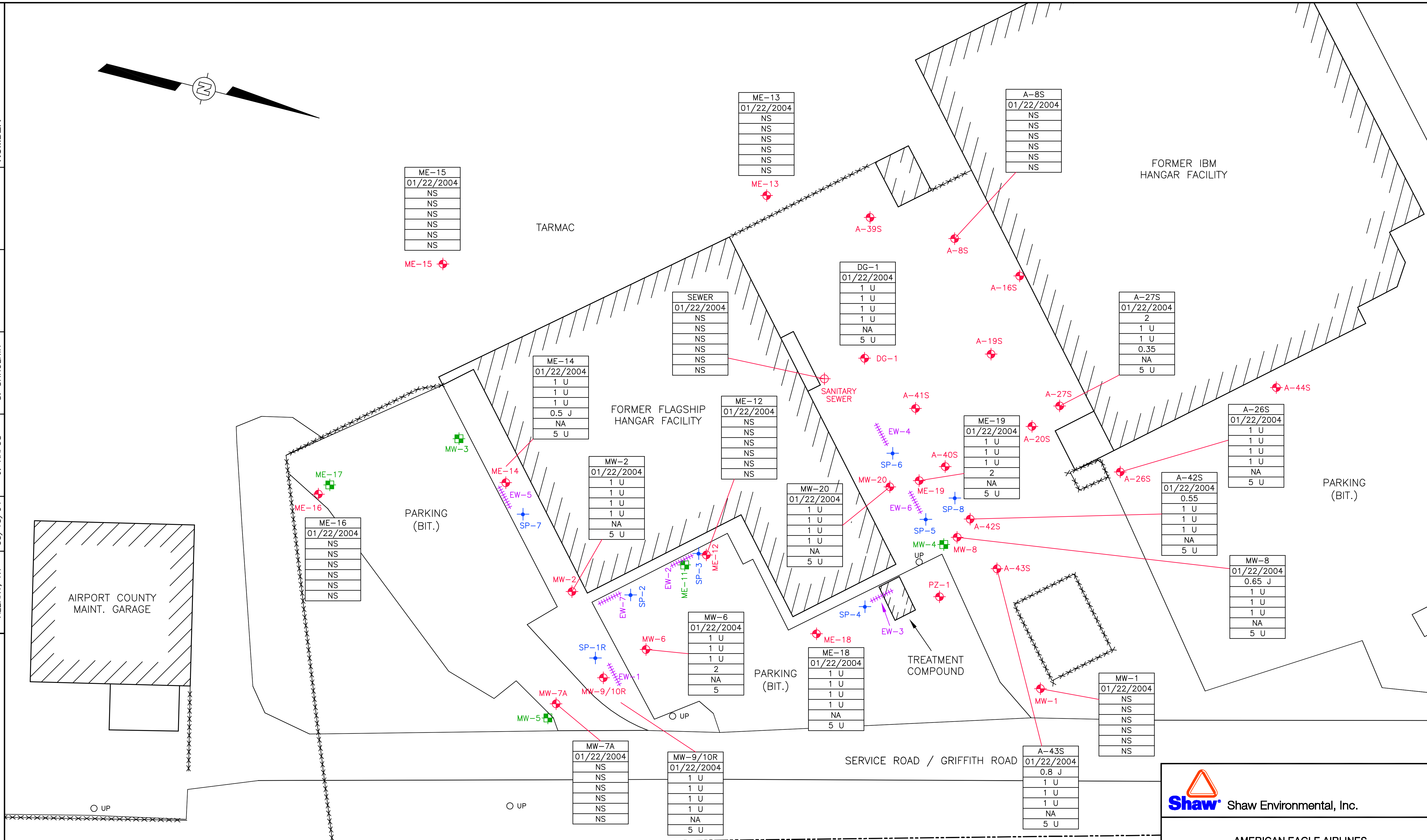
AMERICAN EAGLE AIRLINES

FIGURE 3
GROUNDWATER CONTOUR MAP
DUTCHESS COUNTY AIRPORT
JANUARY 22, 2004
WAPPINGERS FALLS, NEW YORK

Xref: .
Image: .

L:\project\820131\820131D69.dwg
Plot Date/Time: 06/18/04 09:16am
Plotted by: Samuil.Shkolnik

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
ALBANY, NY	03/15/04	J. NAFUS	S. SHKOLNIK			820131D66



LEGEND:

Symbol	Description
⊕	SANITARY SEWER
●	SHALLOW WELL
■	BEDROCK WELL
+	SPARGE WELL
++++	EXTRACTION WELL
—·—	PROPERTY LINE (APPROXIMATE)

MW-6	
01/22/2004	DATE
1 U	DCA
1 U	1,1,1-TCA
1 U	TCE
2	PCE
NA	TOLUENE
5	NAPHTHALENE

(MW-6 = WELL ID)

5 U	NOT DETECTED
J	ESTIMATED CONCENTRATION
NA	NOT ANALYZED
NS	NOT SAMPLED

SCALE 0 20 40 60 FEET

REFERENCE:

BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 4
ANALYTICAL SUMMARY MAP (01/22/04)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

Xref: . Image: .

L:\project\820131\820131D66.dwg
Plot Date/Time: 06/18/04 09:17am
Plotted by: Samuil.Shkolnik

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
ALBANY, NY	03/15/04	J. NAFUS	S. SHKOLNIK			820131D65

Xref: .
Image: .

L:\project\820131\820131D65.dwg
Plot Date/Time: 06/18/04 09:20am
Plotted by: Samuil.Shkolnik

N

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

ME-13 NS
ME-15 NS
A-39S
A-8S NS
A-16S
DG-1 5U
A-19S
SANITARY SEWER NS
A-41S
A-27S 5U
A-20S
A-44S
EW-4
SP-6
A-40S
A-26S 5U
MW-20 5U
ME-19 5U
SP-8
EW-6
A-42S 5U
SP-5
MW-4 UP
MW-8 5U
A-43S 5U
PZ-1
SP-4
EW-3
ME-18
MW-1 NS
MW-3
ME-14 5U
EW-5
SP-7
ME-17
ME-16 NS
MW-2 5U
EW-7
SP-2
EW-2
ME-11
SP-3
ME-12 NS
5 ug/L
MW-6 5
SP-1R
EW-1
MW-9/10R
MW-7A NS
MW-5
UP
UP
UP

REFERENCE:

BASE MAP SOURCE: GERALD L. LYNN
LAND SURVEYOR, P.C.

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- NAPHTHALENE ISOCHRON (DASHED WHERE INFERRED)
- 5U NON-DETECT
- NS NOT SAMPLED

SCALE
0 20 40 60 FEET

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 5
NAPHTHALENE ISOCHRON MAP (01/22/04)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
J. NAFUS	S. SHKOLNIK			820131D68

OFFICE	DATE
ALBANY, NY	03/15/04

Xref: .
Image: .

L:\project\820131\820131D68.dwg
Plot Date/Time: 06/18/04 09:22am
Plotted by: Samuil.Shkolnik

N

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FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

ME-13 NS
ME-15 NS
ME-14 1U
ME-17
ME-16 NS
ME-18 1U
ME-19 1U
MW-1 NS
MW-2 1U
MW-3
MW-4 UP
MW-5
MW-6 1U
MW-7A NS
MW-8 1U
MW-9/10R
MW-20 1U
A-8S NS
A-16S
A-19S
A-20S
A-26S 1U
A-27S 1U
A-39S
A-40S
A-41S NS
A-42S 1U
A-43S 1U
A-44S
DG-1 1U
SANITARY SEWER NS
EW-1
EW-2
EW-3
EW-4
EW-5
EW-6
EW-7
PZ-1
SP-1R
SP-2
SP-3
SP-4
SP-5
SP-6
SP-7
SP-8
UP

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- 1U NON-DETECT

REFERENCE:

BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

SCALE
0 20 40 60 FEET

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 6
CHLOROETHANE ISOCHRON MAP (01/22/04)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
ALBANY, NY	03/15/04	J. NAFUS	S. SHKOLNIK			820131D67

Xref: .
Image: .

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Plot Date/Time: 06/18/04 09:24am
Plotted by: Samuil.Shkolnik

N

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

ME-13 NS
ME-15 NS
A-39S
A-8S NS
A-16S
DG-1 2U
A-19S
SANITARY SEWER NS
A-41S NS
8 ug/L
8 A-27S
A-44S
EW-4
SP-6
A-20S
A-40S
A-26S 2U
MW-3
ME-14 2U
ME-17
ME-16 NS
EW-5
SP-7
MW-20 2U
ME-19 1J
SP-8
EW-6
A-42S 2U
SP-5
MW-4 UP
MW-8 2U
A-43S 2U
PZ-1
MW-2 2U
ME-12 NS
EW-2
ME-11
SP-3
EW-7
SP-2
SP-4
EW-3
MW-6 2U
ME-18 2U
SP-1R
EW-1
MW-9/10R 2U
MW-7A NS
MW-5
MW-1 NS
UP
UP
UP

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- 1,2-DICHLOROETHENE ISOCHRON (DASHED WHERE INFERRED)
- 1 U NON-DETECT
- J ESTIMATED CONCENTRATION

REFERENCE:

BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

SCALE
0 20 40 60 FEET

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 7
1,2-DICHLOROETHENE ISOCHRON MAP (01/22/04) DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

Figure 8
Dissolved Tetrachloroethene (PCE) Trends, MW-9 & MW-10

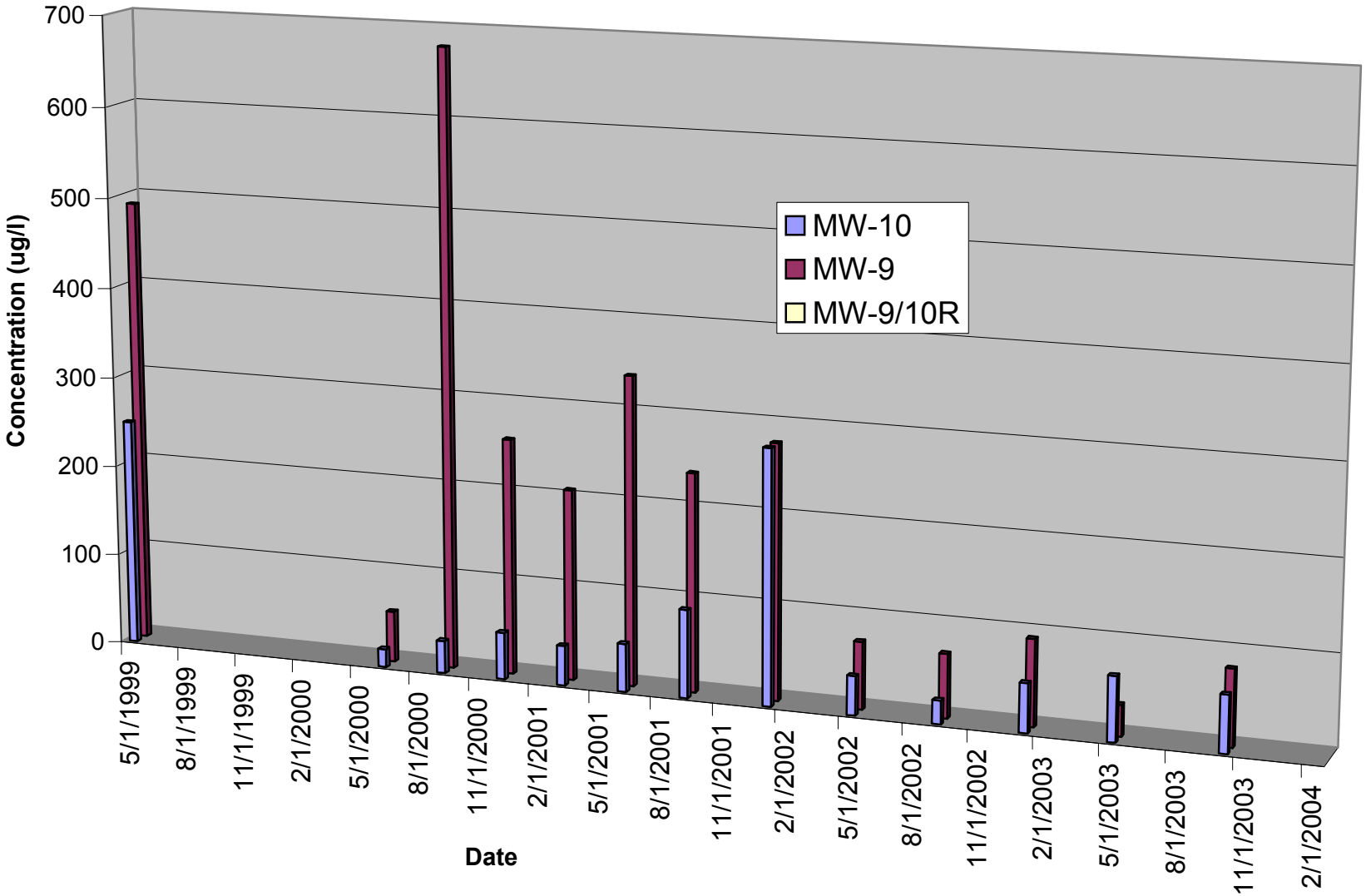


Figure 9
Dissolved 1,1-Dichloroethane Trends, MW-9, MW-10 & A-42S

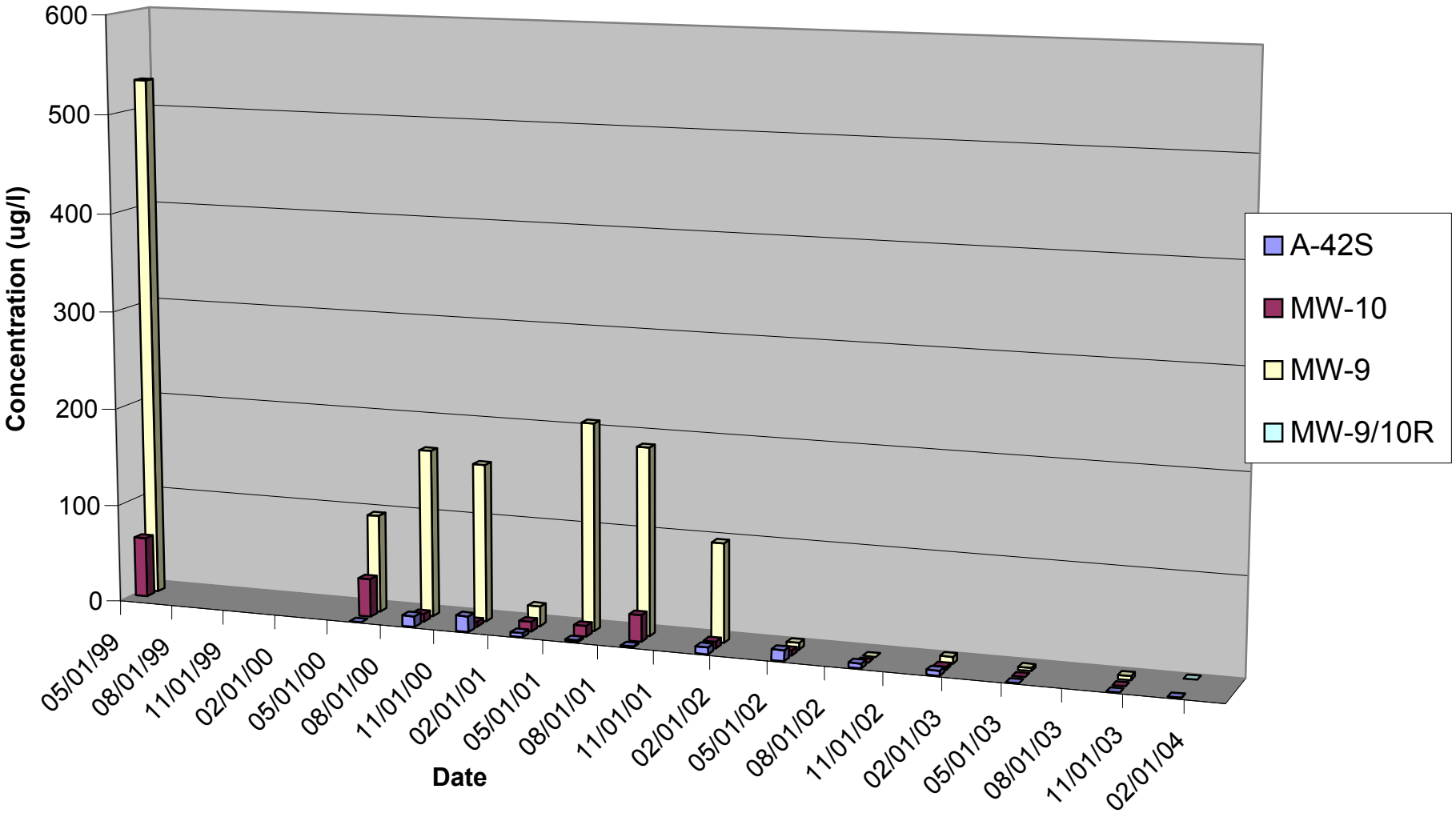
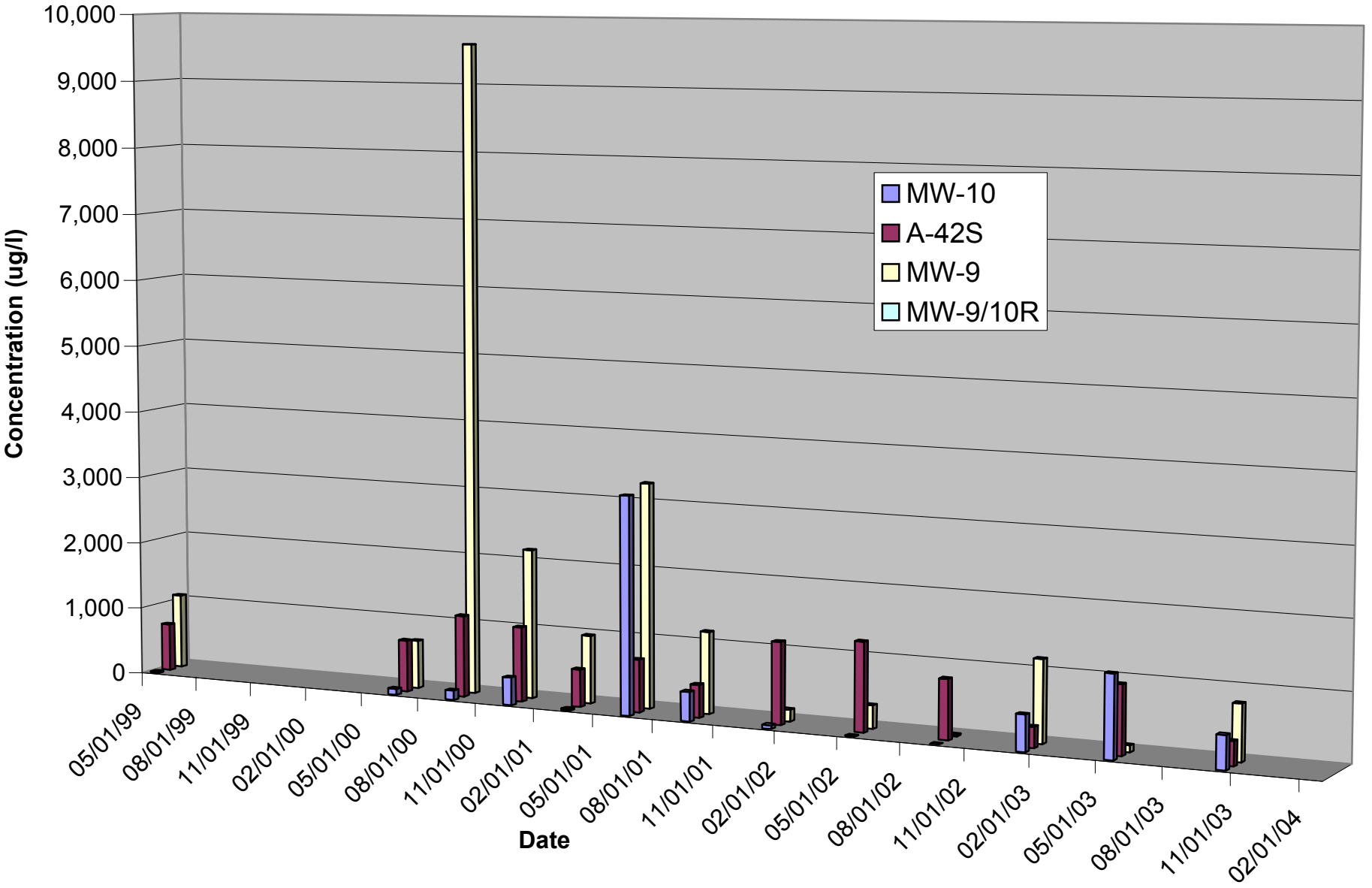
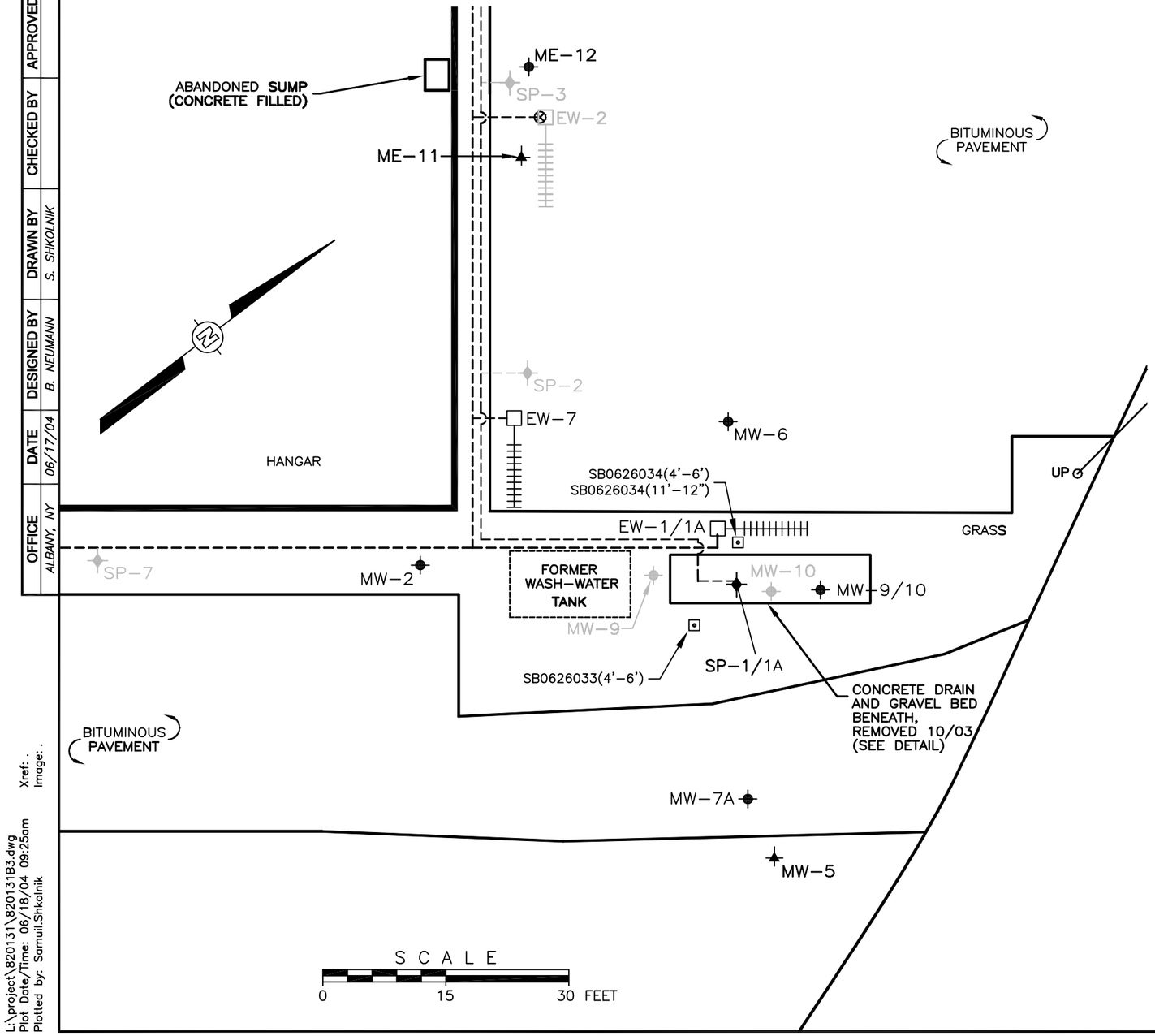
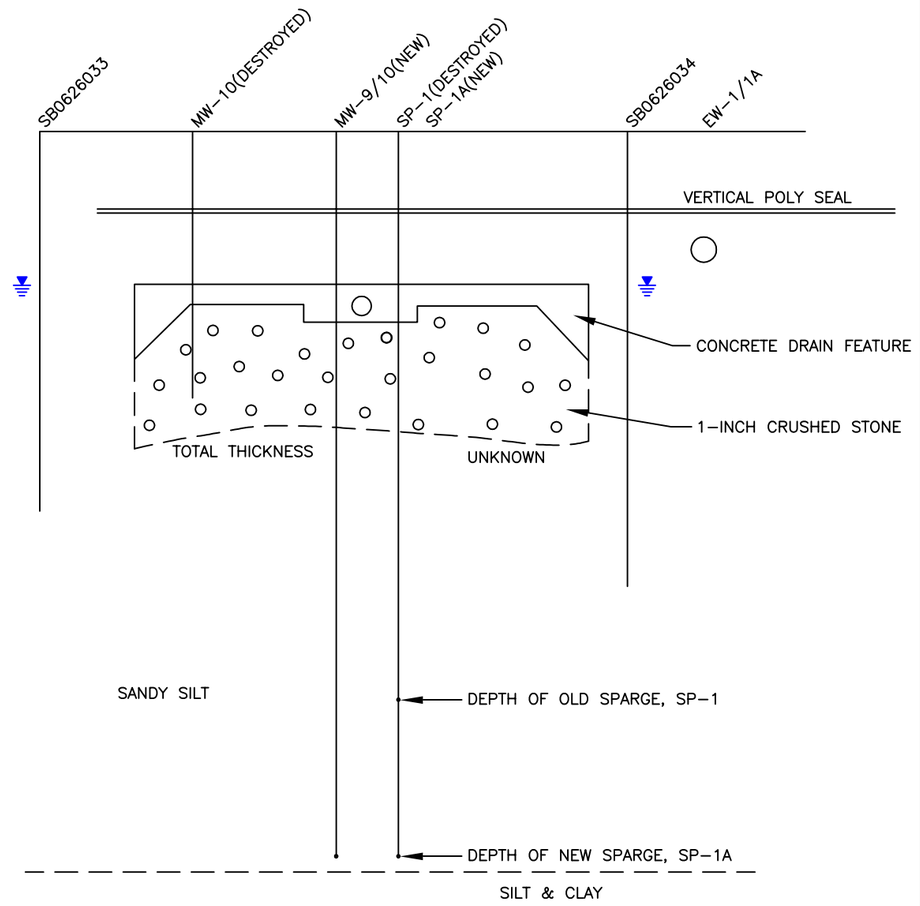


Figure 10
Dissolved Naphthalene Trends, MW-9, MW-10 & A-42S



OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
ALBANY, NY	06/17/04	B. NEUMANN	S. SHKOLNIK			820131B3





DRAIN AND GRAVEL BED FEATURE AS OBSERVED DURING OCTOBER 2003 EXCAVATION ACTIVITIES (VIEW ON END, LOOKING TOWARDS HANGAR)

HORIZONTAL SCALE
0 2 4 FEET

VERTICAL SCALE
0 4 8 FEET

LEGEND

- ACTIVE HORIZONTAL SOIL VAPOR EXTRACTION WELL, EW-#
- ACTIVE AIR SPARGE WELL, SP-#
- MONITORING WELL
- BEDROCK MONITORING WELL
- INACTIVE HORIZONTAL SOIL VAPOR EXTRACTION WELL, EW-#
- INACTIVE AIR SPARGE WELL, SP-#
- MONITORING WELL TO BE REMOVED
- UP O UTILITY POLE
- —OW— OVERHEAD WIRES

Shaw Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 11
CONCRETE DRAIN REMOVAL
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

Xref: .
Image: .

L:\project\820131\820131B3.dwg
Plot Date/Time: 06/18/04 09:25am
Plotted by: Samuil.Shkolnik

APPENDIX A

ANALYTICAL RESULTS – GROUNDWATER
(JANUARY 22, 2004)

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A04-0634

STL Project#: NY3A9019
Site Name: SHAW E&I / AMERICAN AIRLINES
Task: AMERICAN AIRLINES - DUTCHESS COUNTY

Mr. Brian Neuman
Shaw E&I Inc.
13 British American Blvd.
Latham, NY 12110-1405

STL Buffalo

Candace L. Fox
Project Manager

02/16/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA	252
Wisconsin	CWA, RCRA	998310390
Wyoming UST	UST	NA

SAMPLE DATA SUMMARY PACKAGE

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4063401	A-26S	01/22/2004	13:40	01/24/2004	09:30
A4063402	A-27S	01/22/2004	13:45	01/24/2004	09:30
A4063403	A-42S	01/22/2004	14:55	01/24/2004	09:30
A4063404	A-43S	01/22/2004	15:07	01/24/2004	09:30
A4063405	DG-1	01/22/2004	14:05	01/24/2004	09:30
A4063406	DUP-1	01/22/2004		01/24/2004	09:30
A4063407	Field Blank	01/22/2004	15:30	01/24/2004	09:30
A4063408	ME-14	01/22/2004	10:45	01/24/2004	09:30
A4063409	ME-18	01/22/2004	14:30	01/24/2004	09:30
A4063410	ME-19	01/22/2004	14:30	01/24/2004	09:30
A4063415	MW-10	01/22/2004	13:42	01/24/2004	09:30
A4063411	MW-2	01/22/2004	11:00	01/24/2004	09:30
A4063412	MW-20	01/22/2004	14:15	01/24/2004	09:30
A4063413	MW-6	01/22/2004	14:06	01/24/2004	09:30
A4063413MS	MW-6 MS	01/22/2004	14:06	01/24/2004	09:30
A4063413SD	MW-6 SD	01/22/2004	14:06	01/24/2004	09:30
A4063414	MW-8	01/22/2004	14:40	01/24/2004	09:30
A4063416	Trip Blank	01/22/2004		01/24/2004	09:30

METHODS SUMMARY

Job#: A04-0634

STL Project#: NY3A9019
Site Name: SHAW E&I / AMERICAN AIRLINES

PARAMETER	ANALYTICAL METHOD	
ASP 2000 - VOLATILES	ASP00	ASP00-4
ASP 2000 - METHOD 8270 SELECT LIST	ASP00	8270

References:

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A04-0634

STL Project#: NY3A9019
Site Name: SHAW E&I / AMERICAN AIRLINES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-0634
Sample Cooler(s) were received at the following temperature(s); 3@2.0 °C
The sample identification number of MW-10 was listed on the Chain-of-Custody, however the sample bottles were labeled as MW-9/10.

GC/MS Volatile Data

All samples were preserved to a PH less than 2.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Candace L. Fox

Candace L. Fox
Project Manager

2/18/04

Date

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

AB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
A-26S	GW	01/22/2004	01/24/2004	-	01/28/2004
A-27S	GW	01/22/2004	01/24/2004	-	01/28/2004
A-42S	GW	01/22/2004	01/24/2004	-	01/28/2004
A-43S	GW	01/22/2004	01/24/2004	-	01/28/2004
DG-1	GW	01/22/2004	01/24/2004	-	01/28/2004
DUP-1	GW	01/22/2004	01/24/2004	-	01/29/2004
Field Blank	GW	01/22/2004	01/24/2004	-	01/28/2004
ME-14	GW	01/22/2004	01/24/2004	-	01/28/2004
ME-18	GW	01/22/2004	01/24/2004	-	01/28/2004
ME-19	GW	01/22/2004	01/24/2004	-	01/29/2004
MW-10	GW	01/22/2004	01/24/2004	-	01/29/2004
MW-2	GW	01/22/2004	01/24/2004	-	01/29/2004
MW-20	GW	01/22/2004	01/24/2004	-	01/29/2004
MW-6	GW	01/22/2004	01/24/2004	-	01/29/2004
MW-8	GW	01/22/2004	01/24/2004	-	01/29/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

\B NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
A-26S	A4063401	ASP00	ASP00	-	-	-	-	-
A-27S	A4063402	ASP00	ASP00	-	-	-	-	-
A-42S	A4063403	ASP00	ASP00	-	-	-	-	-
A-43S	A4063404	ASP00	ASP00	-	-	-	-	-
DG-1	A4063405	ASP00	ASP00	-	-	-	-	-
DUP-1	A4063406	ASP00	ASP00	-	-	-	-	-
Field Blank	A4063407	ASP00	ASP00	-	-	-	-	-
ME-14	A4063408	ASP00	ASP00	-	-	-	-	-
ME-18	A4063409	ASP00	ASP00	-	-	-	-	-
ME-19	A4063410	ASP00	ASP00	-	-	-	-	-
MW-10	A4063415	ASP00	ASP00	-	-	-	-	-
MW-2	A4063411	ASP00	ASP00	-	-	-	-	-
MW-20	A4063412	ASP00	ASP00	-	-	-	-	-
MW-6	A4063413	ASP00	ASP00	-	-	-	-	-
MW-8	A4063414	ASP00	ASP00	-	-	-	-	-

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

\B NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
A-26S	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
A-27S	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
A-42S	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
A-43S	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
DG-1	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
DUP-1	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
Field Blank	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
ME-14	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
ME-18	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
ME-19	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
MW-10	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
MW-2	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
MW-20	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
MW-6	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004
MW-8	GW	01/22/2004	01/24/2004	01/28/2004	02/02/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

AB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
A-26S	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
A-27S	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
A-42S	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
A-43S	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
DG-1	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
DUP-1	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
Field Blank	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
ME-14	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
ME-18	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
ME-19	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-10	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-2	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-20	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-6	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED
MW-8	GW	ASP00	SEPF	AS REQUIRED	AS REQUIRED

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

13/401

Client No.

A-26S

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

rix: (soil/water) WATER Lab Sample ID: A4063401

ple wt/vol: 25.00 (g/mL) ML Lab File ID: L3990.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

14/401

Client No.

A-27S

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063402

ple wt/vol: 25.00 (g/mL) ML Lab File ID: L3991.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.3	J
75-34-3	1,1-Dichloroethane	2	
540-59-0	1,2-Dichloroethene (Total)	8	
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

15/401

Client No.

A-42S

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063403

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4015.RR

/el: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

/oisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	0.5	J
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

16/401

Client No.

A-43S

ɔ Name: STL Buffalo Contract: _____

ɔ Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ɛrix: (soil/water) WATER Lab Sample ID: A4063404

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3993.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	0.8	J
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

17/401

Client No.

DG-1

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063405

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3994.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

18/401

Client No.

DUP-1

› Name: STL Buffalo Contract: _____

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063406

ple wt/vol: 25.00 (g/mL) ML Lab File ID: L4016.RR

/el: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

/oisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

Field Blank

› Name: STL Buffalo Contract: _____

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063407

ple wt/vol: 25.00 (g/mL) ML Lab File ID: L3997.RR

/el: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

/oisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

20/401

Client No.

ME-14

› Name: STL Buffalo Contract: _____

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063408

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3998.RR

/el: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.5	J
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

21/401

Client No.

ME-18

› Name: STL Buffalo Contract: _____

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063409

nple wt/vol: 25.00 (g/mL) ML Lab File ID: L3999.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

23/401

Client No.

MW-10

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063415

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4017.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

22/401

Client No.

ME-19

› Name: STL Buffalo Contract: _____

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063410

nple wt/vol: 25.00 (g/mL) ML Lab File ID: L4018.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	2	
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	1	J
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

24/401

Client No.

MW-2

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063411

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4019.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

25/401

Client No.

MW-20

› Name: STL Buffalo Contract: _____

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063412

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4020.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-8

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063414

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4021.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	0.6	J
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

26/401

Client No.

MW-6

ɔ Name: STL Buffalo Contract: _____

ɔ Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063413

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4023.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	2	
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

Trip Blank

) Name: STL Buffalo Contract: _____

) Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063416

nple wt/vol: 25.00 (g/mL) ML Lab File ID: L4022.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

A-26S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063401

mple wt/vol: 1035.0 (g/mL) ML Lab File ID: Z59875.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

30/401

Client No.

A-27S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063402

ample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59876.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

A-42S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063403

ample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z59877.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

32/401

Client No.

A-43S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063404

ample wt/vol: 1030.0 (g/mL) ML Lab File ID: Z59878.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

DG-1

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063405

mple wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59879.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

34/401
Client No.

DUP-1

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063406

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59880.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

35/401

Client No.

Field Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063407

ample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z59881.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

36/401

Client No.

ME-14

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063408

mple wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59882.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

37/401

Client No.

ME-18

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063409

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59883.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

38/401

Client No.

ME-19

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063410

mple wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59884.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

ncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

jection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

MW-10

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063415

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59891.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

40/401

Client No.

MW-2

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063411

ample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59885.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

41/401

Client No.

MW-20

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063412

mple wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59886.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

42/401

Client No.

MW-6

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063413

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z59887.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

MW-8

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063414

ample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z59890.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Client Sample ID	BFB %REC	#							TOT OUT
A-26S	98								0
A-27S	98								0
A-42S	99								0
A-43S	95								0
DG-1	98								0
DUP-1	98								0
Field Blank	99								0
ME-14	100								0
ME-18	100								0
ME-19	98								0
MSB73	101								0
MSB74	103								0
MSB75	99								0
MW-10	95								0
MW-2	97								0
MW-20	96								0
MW-6	98								0
MW-6 MS	102								0
MW-6 SD	97								0
MW-8	96								0
Trip Blank	100								0
VBLK73	97								0
VBLK74	98								0
VBLK75	96								0

QC LIMITS

BFB = p-Bromofluorobenzene (80-120)

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

ASP 2000 - METHOD 8270 SELECT LIST
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	2CP %REC	#	2FP %REC	#	DCB %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#	TOT OUT
1	A-26S	81		48		78		92		90		33		96		100		0
2	A-27S	80		49		77		91		89		33		93		91		0
3	A-42S	80		50		79		96		95		34		92		84		0
4	A-43S	64		33		73		91		88		21		79		90		0
5	DG-1	81		48		79		99		92		32		96		99		0
6	DUP-1	78		48		74		93		90		32		92		95		0
7	Field Blank	72		43		67		85		82		28		88		91		0
8	Matrix Spike Blank	87		55		76		100		98		37		108		110		0
9	ME-14	78		49		76		94		90		33		95		99		0
10	ME-18	62		28		80		99		95		18		86		102		0
11	ME-19	62		41		53		69		63		27		73		88		0
12	MW-10	82		53		77		100		89		36		99		111		0
13	MW-2	71		43		67		88		81		28		87		94		0
14	MW-20	77		48		75		93		87		33		92		93		0
15	MW-6	72		44		70		88		82		30		84		94		0
16	MW-6 MS	79		50		76		95		89		34		96		101		0
17	MW-6 SD	77		47		75		94		88		32		98		104		0
18	MW-8	83		52		80		100		93		34		99		110		0
19	S Blank	74		50		62		79		75		36		85		96		0

			QC LIMITS
2CP	=	2-Chlorophenol-d4	(33-110)
2FP	=	2-Fluorophenol	(21-110)
DCB	=	1,2-Dichlorobenzene-d4	(16-110)
FBP	=	2-Fluorobiphenyl	(43-116)
NBZ	=	Nitrobenzene-D5	(35-114)
PHL	=	Phenol-D5	(10-110)
TBP	=	2,4,6-Tribromophenol	(10-123)
TPH	=	p-Terphenyl-d14	(33-141)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

ASP 2000 - VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

o Name: STL Buffalo Contract: _____ Lab Samp ID: A4063417

o Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix Spike - Client Sample No.: ~~VBLK73~~ MSB73

MT 2/2/2004

OMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
inyl chloride	5.0	4.6	94	60 - 140
richloroethene	5.0	4.8	96	60 - 140
etrachloroethene	5.0	4.9	98	60 - 140

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

Values outside of QC limits

ike recovery: 0 out of 3 outside limits

mments: _____

ASP 2000 - VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

b Name: STL Buffalo Contract: _____ Lab Samp ID: A4063419

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix Spike - Client Sample No.: ~~VBLK74~~ MSB74 MT 2/2/2004

OMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
inyl chloride	5.0	4.7	95	60 - 140
richloroethene	5.0	4.9	99	60 - 140
etrachloroethene	5.0	4.8	97	60 - 140

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

Values outside of QC limits

ike recovery: 0 out of 3 outside limits

mments: _____

ASP 2000 - VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

› Name: STL Buffalo Contract: _____ Lab Samp ID: A4063421

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix Spike - Client Sample No.: ~~VBLK75~~ MSB75 2/2/2004

MPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
nyl chloride	5.0	4.4	90	60 - 140
richloroethene	5.0	5.2	106	60 - 140
etrachloroethene	5.0	5.0	102	60 - 140

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

Values outside of QC limits

ike recovery: 0 out of 3 outside limits

mments: _____

ASP 2000 - VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ɔ Name: STL Buffalo Contract: _____ Lab Samp ID: A4063413

ɔ Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ɛrix Spike - Client Sample No.: MW-6

ɔMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
inyl chloride	5.0	0	4.6	93	60 - 140
richloroethene	5.0	0	5.9	119	60 - 140
etrachloroethene	5.0	1.5	7.6	121	60 - 140

ɔMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
inyl chloride	5.0	4.6	93	0	20	60 - 140
richloroethene	5.0	5.9	119	0	20	60 - 140
etrachloroethene	5.0	7.4	116	4	20	60 - 140

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

Values outside of QC limits

D: ____0 out of ____3 outside limits
ike recovery: ____0 out of ____6 outside limits

ɯments: _____

ASP 2000 - METHOD 8270 SELECT LIST
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4063413

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix Spike - Client Sample No.: MW-6

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Phenol	75.0	0	26.9	36	12 - 110

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.0	24.9	33	9	42	12 - 110

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

Values outside of QC limits

PD: 0 out of 1 outside limits
pike recovery: 0 out of 2 outside limits

omments: _____

ASP 2000 - METHOD 8270 SELECT LIST
WATER MATRIX SPIKE BLANK RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4B0515902

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Phenol	75.0	29.3	39	12 - 110

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

Values outside of QC limits

pike recovery: 0 out of 1 outside limits

omments: _____

ASP 2000 - VOLATILES
METHOD BLANK SUMMARY

52/401
Client No.

VBLK73

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

b File ID: L3988.RR Lab Sample ID: A4063417

te Analyzed: 01/28/2004 Time Analyzed: 12:49

Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

strument ID: I50L

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	A-26S	A4063401	L3990.RR	14:13
2	A-27S	A4063402	L3991.RR	14:45
3	A-43S	A4063404	L3993.RR	15:51
4	DG-1	A4063405	L3994.RR	16:24
5	Field Blank	A4063407	L3997.RR	18:02
6	ME-14	A4063408	L3998.RR	18:34
7	ME-18	A4063409	L3999.RR	19:07
8	MSB73	A4063418	L3989.RR	13:37

mments: _____

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK73

o Name: STL Buffalo Contract: _____

o Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063417

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3988.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
METHOD BLANK SUMMARY

54/401
Client No.

VBLK74

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

b File ID: L4013.RR Lab Sample ID: A4063419

te Analyzed: 01/28/2004 Time Analyzed: 22:13

' Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

.strument ID: I50L

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	A-42S	A4063403	L4015.RR	23:33
2	DUP-1	A4063406	L4016.RR	00:06
3	ME-19	A4063410	L4018.RR	01:11
4	MSB74	A4063420	L4014.RR	23:00
5	MW-10	A4063415	L4017.RR	00:39
6	MW-2	A4063411	L4019.RR	01:44
7	MW-20	A4063412	L4020.RR	02:17
8	MW-6	A4063413	L4023.RR	03:55
9	MW-8	A4063414	L4021.RR	02:50
10	Trip Blank	A4063416	L4022.RR	03:22

›mments: _____

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK74

› Name: STL Buffalo Contract: _____

› Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

:rix: (soil/water) WATER Lab Sample ID: A4063419

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4013.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
METHOD BLANK SUMMARY

56/401
Client No.

VBLK75

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

b File ID: L4028.RR Lab Sample ID: A4063421

te Analyzed: 01/29/2004 Time Analyzed: 10:27

Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

strument ID: I50L

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB75	A4063422	L4029.RR	11:03
2	MW-6 MS	A4063413MS	L4030.RR	11:41
3	MW-6 SD	A4063413SD	L4031.RR	12:12

mments: _____

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

VBLK75

ɔ Name: STL Buffalo Contract: _____

ɔ Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063421

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4028.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
METHOD BLANK SUMMARY

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ab File ID: Z59874.RR Lab Sample ID: A4B0515902

nstrument ID: I50Z-A Date Extracted: 01/28/2004

atrix: (soil/water) WATER Date Analyzed: 02/02/2004

evel: (low/med) LOW Time Analyzed: 12:17

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	A-26S	A4063401	Z59875.RR	02/02/2004
2	A-27S	A4063402	Z59876.RR	02/02/2004
3	A-42S	A4063403	Z59877.RR	02/02/2004
4	A-43S	A4063404	Z59878.RR	02/02/2004
5	DG-1	A4063405	Z59879.RR	02/02/2004
6	DUP-1	A4063406	Z59880.RR	02/02/2004
7	Field Blank	A4063407	Z59881.RR	02/02/2004
8	Matrix Spike Blank	A4B0515901	Z59873.RR	02/02/2004
9	ME-14	A4063408	Z59882.RR	02/02/2004
10	ME-18	A4063409	Z59883.RR	02/02/2004
11	ME-19	A4063410	Z59884.RR	02/02/2004
12	MW-10	A4063415	Z59891.RR	02/02/2004
13	MW-2	A4063411	Z59885.RR	02/02/2004
14	MW-20	A4063412	Z59886.RR	02/02/2004
15	MW-6	A4063413	Z59887.RR	02/02/2004
16	MW-6 MS	A4063413MS	Z59888.RR	02/02/2004
17	MW-6 SD	A4063413SD	Z59889.RR	02/02/2004
18	MW-8	A4063414	Z59890.RR	02/02/2004

omments: _____

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

59/401

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4B0515902

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z59874.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000311

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): L3985.RR Date Analyzed: 01/28/2004

Instrument ID: I50L Time Analyzed: 10:51

GC Column(1): DB-624 ID: 0.530(mm) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
12 HOUR STD	358565		16.33		233945		19.96		372506		11.14	
UPPER LIMIT	501991		16.66		327523		20.29		521508		11.47	
LOWER LIMIT	215139		16.00		140367		19.63		223504		10.81	
CLIENT SAMPLE												
A-26S	332321		16.36		216652		19.99		347492		11.16	
A-27S	332639		16.36		218698		19.99		346126		11.19	
A-43S	334430		16.35		180815		20.00		349704		11.16	
DG-1	302549		16.35		179151		19.99		329280		11.18	
Field Blank	290657		16.35		188271		19.99		311517		11.16	
ME-14	294072		16.34		182672		19.99		316778		11.16	
ME-18	296977		16.35		185395		19.99		308922		11.18	
MSB73	349828		16.34		242030		19.98		353697		11.15	
VBLK73	319948		16.31		200245		19.95		335981		11.11	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(60-140)	-0.33 / +0.33 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(60-140)	-0.33 / +0.33 min
IS3 (DFB) = 1,4-Difluorobenzene	(60-140)	-0.33 / +0.33 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

ASP 2000 - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000312

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): L4012.RR Date Analyzed: 01/28/2004

Instrument ID: I50L Time Analyzed: 21:35

GC Column(1): DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
12 HOUR STD	358927		16.38		247567		20.03		361537		11.18	
UPPER LIMIT	502498		16.71		346594		20.36		506152		11.51	
LOWER LIMIT	215356		16.05		148540		19.70		216922		10.85	
CLIENT SAMPLE												
A-42S	337545		16.38		219225		20.00		365668		11.20	
DUP-1	334831		16.36		197005		20.00		349501		11.19	
ME-19	314638		16.36		180817		20.00		325104		11.19	
MSB74	359931		16.35		249056		19.98		358461		11.16	
MW-10	318305		16.36		203994		19.99		340076		11.20	
MW-2	309902		16.36		173727		19.99		333498		11.19	
MW-20	297159		16.35		190580		19.99		322411		11.18	
MW-6	298239		16.35		197684		19.99		317794		11.18	
MW-8	294087		16.34		192811		19.98		323413		11.16	
Trip Blank	286150		16.35		179557		19.99		309619		11.18	
VBLK74	363848		16.36		229925		20.00		379684		11.20	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(60-140)	-0.33 / +0.33 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(60-140)	-0.33 / +0.33 min
IS3 (DFB) = 1,4-Difluorobenzene	(60-140)	-0.33 / +0.33 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

ASP 2000 - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000313

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): L4027.RR Date Analyzed: 01/29/2004

Instrument ID: I50L Time Analyzed: 09:29

GC Column(1): DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
12 HOUR STD	347672		16.33		229760		19.96		366569		11.11	
UPPER LIMIT	486741		16.66		321664		20.29		513197		11.44	
LOWER LIMIT	208603		16.00		137856		19.63		219941		10.78	
CLIENT SAMPLE												
MSB75	340605		16.30		234092		19.94		353363		11.10	
MW-6 MS	352574		16.28		243211		19.93		373306		11.09	
MW-6 SD	381508		16.29		258595		19.94		408364		11.10	
VBLK75	312620		16.29		183686		19.94		337650		11.09	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(60-140)	-0.33 / +0.33 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(60-140)	-0.33 / +0.33 min
IS3 (DFB) = 1,4-Difluorobenzene	(60-140)	-0.33 / +0.33 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000337

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): Z59872.RR Date Analyzed: 02/02/2004

Instrument ID: I50Z-A Time Analyzed: 11:03

	IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
12 HOUR STD	544301		15.20		955637		21.87		262047		8.20	
UPPER LIMIT	1088602		15.70		1911274		22.37		524094		8.70	
LOWER LIMIT	272151		14.70		477819		21.37		131024		7.70	
CLIENT SAMPLE												
A-26S	424136		15.22		782377		21.87		208903		8.22	
A-27S	457313		15.22		863545		21.87		214401		8.22	
A-42S	430276		15.22		819060		21.87		223804		8.22	
A-43S	447441		15.22		810853		21.87		234189		8.22	
DG-1	443831		15.22		814703		21.87		230174		8.22	
DUP-1	449291		15.22		799481		21.87		241857		8.22	
Field Blank	452219		15.22		782234		21.87		241229		8.22	
Matrix Spike Blank	455507		15.22		772733		21.87		221826		8.20	
ME-14	427393		15.22		757827		21.87		223182		8.22	
ME-18	424330		15.22		749135		21.87		219711		8.22	
ME-19	412806		15.22		739294		21.87		210566		8.22	
MW-10	418554		15.23		727480		21.87		215371		8.22	
MW-2	392912		15.22		717645		21.87		205842		8.22	
MW-20	416433		15.22		764355		21.87		213253		8.22	
MW-6	486150		15.22		834608		21.87		251488		8.22	
MW-6 MS	490344		15.23		861120		21.88		241990		8.22	
MW-6 SD	489855		15.23		829758		21.87		242459		8.22	
MW-8	430466		15.23		760167		21.88		222985		8.22	
S Blank	448648		15.22		750064		21.87		217237		8.20	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000337

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): Z59872.RR Date Analyzed: 02/02/2004

Instrument ID: I50Z-A Time Analyzed: 11:03

		IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	974541		11.08		951902		17.87		887882		24.47	
	UPPER LIMIT	1949082		11.58		1903804		18.37		1775764		24.97	
	LOWER LIMIT	487271		10.58		475951		17.37		443941		23.97	
	CLIENT SAMPLE												
1	A-26S	785785		11.10		747218		17.88		738600		24.47	
2	A-27S	811588		11.10		873707		17.88		796940		24.47	
3	A-42S	818861		11.10		842668		17.88		837969		24.47	
4	A-43S	878410		11.10		810490		17.88		807899		24.48	
5	DG-1	867910		11.10		824646		17.88		795570		24.47	
6	DUP-1	890292		11.10		800640		17.88		805573		24.48	
7	Field Blank	886513		11.10		807258		17.88		783941		24.48	
8	Matrix Spike Blank	833125		11.10		804014		17.88		738471		24.47	
9	ME-14	827317		11.10		770849		17.88		750534		24.48	
10	ME-18	827942		11.10		768690		17.88		731270		24.48	
11	ME-19	788513		11.10		759033		17.88		715623		24.48	
12	MW-10	804635		11.10		741999		17.88		738128		24.48	
13	MW-2	753171		11.10		707127		17.88		735740		24.48	
14	MW-20	794251		11.10		771075		17.88		783832		24.48	
15	MW-6	941179		11.10		903978		17.88		863311		24.48	
16	MW-6 MS	928962		11.10		856900		17.88		879912		24.48	
17	MW-6 SD	929861		11.10		845784		17.88		828735		24.48	
18	MW-8	825712		11.10		775895		17.88		751624		24.48	
19	S Blank	815508		11.10		762291		17.87		703040		24.47	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values

* Values outside of contract required QC limits

SAMPLE DATA PACKAGE

SDG NARRATIVE

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4063401	A-26S	01/22/2004	13:40	01/24/2004	09:30
A4063402	A-27S	01/22/2004	13:45	01/24/2004	09:30
A4063403	A-42S	01/22/2004	14:55	01/24/2004	09:30
A4063404	A-43S	01/22/2004	15:07	01/24/2004	09:30
A4063405	DG-1	01/22/2004	14:05	01/24/2004	09:30
A4063406	DUP-1	01/22/2004		01/24/2004	09:30
A4063407	Field Blank	01/22/2004	15:30	01/24/2004	09:30
A4063408	ME-14	01/22/2004	10:45	01/24/2004	09:30
A4063409	ME-18	01/22/2004	14:30	01/24/2004	09:30
A4063410	ME-19	01/22/2004	14:30	01/24/2004	09:30
A4063415	MW-10	01/22/2004	13:42	01/24/2004	09:30
A4063411	MW-2	01/22/2004	11:00	01/24/2004	09:30
A4063412	MW-20	01/22/2004	14:15	01/24/2004	09:30
A4063413	MW-6	01/22/2004	14:06	01/24/2004	09:30
A4063413MS	MW-6 MS	01/22/2004	14:06	01/24/2004	09:30
A4063413SD	MW-6 SD	01/22/2004	14:06	01/24/2004	09:30
A4063414	MW-8	01/22/2004	14:40	01/24/2004	09:30
A4063416	Trip Blank	01/22/2004		01/24/2004	09:30

METHODS SUMMARY

Job#: A04-0634

STL Project#: NY3A9019
Site Name: SHAW E&I / AMERICAN AIRLINES

PARAMETER	ANALYTICAL METHOD	
ASP 2000 - VOLATILES	ASP00	ASP00-4
ASP 2000 - METHOD 8270 SELECT LIST	ASP00	8270

References:

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A04-0634

STL Project#: NY3A9019
Site Name: SHAW E&I / AMERICAN AIRLINES

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-0634
Sample Cooler(s) were received at the following temperature(s); 3@2.0 °C
The sample identification number of MW-10 was listed on the Chain-of-Custody, however the sample bottles were labeled as MW-9/10.

GC/MS Volatile Data

All samples were preserved to a PH less than 2.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Candace L. Fox

Candace L. Fox
Project Manager

2/18/04

Date

CHAIN OF CUSTODY DOCUMENTATION

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (1200)

Client	Project Manager	Date	Chain of Custody Number
Shaw Environmental		01/22/04	099411
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of ____
13 British American Blvd	518-783-1990		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110			
Project Name and Location (State)	**Carrier/Waybill Number**		
Flagship,			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: 8260 Site Specific	Analysis: Conv's Site Specific	Special Instructions/ Conditions of Receipt
ME-14	01/22/04	1045		X			X			X				X	X	
MW-2		1100		X			X			X				X	X	
MW-10		1342		X			X			X				X	X	
MW-6		1406		X			X			X				X	X	
ME-18		1430		X			X			X				X	X	
A-265		1340		X			X			X				X	X	
A-275		1345		X			X			X				X	X	
DG-1		1405		X			X			X				X	X	
MW-20		1415		X			X			X				X	X	
ME-19		1430		X			X			X				X	X	
MW-8		1440		X			X			X				X	X	
A-435		1507		X			X			X				X	X	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By			1. Received By GR	1/24/04	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

1/24/04 PF 3e 2.0°C

72/401

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

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (1200)

Client	Project Manager	Date	Chain of Custody Number
Address: See pg 1	Telephone Number (Area Code)/Fax Number	01/22/04	099412
City / State / Zip Code	Site Contact / Lab Contact	Lab Number	Page 2 of 2
Project Name and Location (State)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 site specific	SVOC's Site Specific
A-42S	1/22/04	1455		X			X			X			X	X
Field Blank	1/22/04	1530		X			X			X			X	X
Tripblank	1/22/04	—		X			X			X			X	
~~DUP-1~~	1/22/04	—		X			X			X			X	X
MW-6 MS/MSD	1/22/04	1406		X			X			X			X	X

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By			1. Received By		
2. Relinquished By			2. Received By	01/24/04	0950
3. Relinquished By			3. Received By		

Comments: 3e2.3c

73/401

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

VOLATILE DATA

QC SUMMARY

ASP 2000 - VOLATILES
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	BFB %REC	#							TOT OUT
1	A-26S	98								0
2	A-27S	98								0
3	A-42S	99								0
4	A-43S	95								0
5	DG-1	98								0
6	DUP-1	98								0
7	Field Blank	99								0
8	ME-14	100								0
9	ME-18	100								0
10	ME-19	98								0
11	MSB73	101								0
12	MSB74	103								0
13	MSB75	99								0
14	MW-10	95								0
15	MW-2	97								0
16	MW-20	96								0
17	MW-6	98								0
18	MW-6 MS	102								0
19	MW-6 SD	97								0
20	MW-8	96								0
21	Trip Blank	100								0
22	VBLK73	97								0
23	VBLK74	98								0
24	VBLK75	96								0

QC LIMITS

BFB = p-Bromofluorobenzene (80-120)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

ASP 2000 - VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

b Name: STL Buffalo Contract: _____ Lab Samp ID: A4063417

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix Spike - Client Sample No.: ~~VBLK73~~ MSB73

2/2/2004

OMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
inyl chloride	5.0	4.6	94	60 - 140
richloroethene	5.0	4.8	96	60 - 140
etrachloroethene	5.0	4.9	98	60 - 140

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

Values outside of QC limits

ike recovery: 0 out of 3 outside limits

mments: _____

ASP 2000 - VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

78/401

b Name: STL Buffalo Contract: _____ Lab Samp ID: A4063419

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix Spike - Client Sample No.: ~~VBLK74~~ MSB74 2/2/2004

OMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
inyl chloride	5.0	4.7	95	60 - 140
richloroethene	5.0	4.9	99	60 - 140
etrachloroethene	5.0	4.8	97	60 - 140

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

Values outside of QC limits

ike recovery: 0 out of 3 outside limits

mments: _____

ASP 2000 - VOLATILES
WATER MATRIX SPIKE BLANK RECOVERY

o Name: STL Buffalo Contract: _____ Lab Samp ID: A4063421

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix Spike - Client Sample No.: ~~VBLK75~~ MSB75 2/2/2001

OMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
inyl chloride	5.0	4.4	90	60 - 140
richloroethene	5.0	5.2	106	60 - 140
etrachloroethene	5.0	5.0	102	60 - 140

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

Values outside of QC limits

ike recovery: 0 out of 3 outside limits

mments: _____

ASP 2000 - VOLATILES
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

80/401

b Name: STL Buffalo Contract: _____ Lab Samp ID: A4063413

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix Spike - Client Sample No.: MW-6

OMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
inyl chloride	5.0	0	4.6	93	60 - 140
richloroethene	5.0	0	5.9	119	60 - 140
etrachloroethene	5.0	1.5	7.6	121	60 - 140

OMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
inyl chloride	5.0	4.6	93	0	20	60 - 140
richloroethene	5.0	5.9	119	0	20	60 - 140
etrachloroethene	5.0	7.4	116	4	20	60 - 140

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

Values outside of QC limits

D: 0 out of 3 outside limits
ike recovery: 0 out of 6 outside limits

mments: _____

ASP 2000 - VOLATILES
METHOD BLANK SUMMARY

Client No.

VBLK73

.b Name: STL Buffalo Contract: _____

.b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

.b File ID: L3988.RR Lab Sample ID: A4063417

.te Analyzed: 01/28/2004 Time Analyzed: 12:49

: Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

ıstrument ID: I50L

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	A-26S	A4063401	L3990.RR	14:13
2	A-27S	A4063402	L3991.RR	14:45
3	A-43S	A4063404	L3993.RR	15:51
4	DG-1	A4063405	L3994.RR	16:24
5	Field Blank	A4063407	L3997.RR	18:02
6	ME-14	A4063408	L3998.RR	18:34
7	ME-18	A4063409	L3999.RR	19:07
8	MSB73	A4063418	L3989.RR	13:37

›mments: _____

ASP 2000 - VOLATILES
METHOD BLANK SUMMARY

82/401 Client No.

VBLK74

.b Name: STL Buffalo Contract: _____

.b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ıb File ID: L4013.RR Lab Sample ID: A4063419

ıte Analyzed: 01/28/2004 Time Analyzed: 22:13

: Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

ıstrument ID: I50L

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	A-42S	A4063403	L4015.RR	23:33
2	DUP-1	A4063406	L4016.RR	00:06
3	ME-19	A4063410	L4018.RR	01:11
4	MSB74	A4063420	L4014.RR	23:00
5	MW-10	A4063415	L4017.RR	00:39
6	MW-2	A4063411	L4019.RR	01:44
7	MW-20	A4063412	L4020.RR	02:17
8	MW-6	A4063413	L4023.RR	03:55
9	MW-8	A4063414	L4021.RR	02:50
10	Trip Blank	A4063416	L4022.RR	03:22

ɔmments: _____

ASP 2000 - VOLATILES
METHOD BLANK SUMMARY

83/401 Client No.

VBLK75

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

b File ID: L4028.RR Lab Sample ID: A4063421

te Analyzed: 01/29/2004 Time Analyzed: 10:27

! Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

ıstrument ID: I50L

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB75	A4063422	L4029.RR	11:03
2	MW-6 MS	A4063413MS	L4030.RR	11:41
3	MW-6 SD	A4063413SD	L4031.RR	12:12

›mments: _____

SHAW E & I

LOW CONC. VOLATILE ORGANIC TUNING CALIBRATION

BROMOFLUOROBENZENE (BFB)

84/401

ab Name: STL Buffalo Contract: _____ Tune ID: A4T0000176

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ab File ID: L3982 BFB Injection Date: 01/28/2004

nstrument ID: I50L BFB Injection Time: 08:49

C Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	8.0 - 40.0% of mass 95	22.2		
75	30.0 - 66.0% of mass 95	50.5		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.0		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50.0 - 120.0% of mass 95	65.3		
175	4.0 - 9.0% of mass 174	4.1	(6.3)	1
176	93.0 - 101.0% of mass 174	62.2	(95.2)	1
177	5.0 - 9.0% of mass 176	3.2	(5.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD025	A4I0000065-1	L3983.RR	01/28/2004	09:47
2	VSTD010	A4I0000065-1	L3984.RR	01/28/2004	10:19
3	VSTD005	A4I0000065-1	L3985.RR	01/28/2004	10:51
4	VSTD005	A4C0000311-1	L3985.RR	01/28/2004	10:51
5	VSTD002	A4I0000065-1	L3986.RR	01/28/2004	11:23
6	VSTD001	A4I0000065-1	L3987.RR	01/28/2004	11:56
7	VBLK73	A4063417	L3988.RR	01/28/2004	12:49
8	MSB73	A4063418	L3989.RR	01/28/2004	13:37
9	A-26S	A4063401	L3990.RR	01/28/2004	14:13
10	A-27S	A4063402	L3991.RR	01/28/2004	14:45
11	A-43S	A4063404	L3993.RR	01/28/2004	15:51
12	DG-1	A4063405	L3994.RR	01/28/2004	16:24
13	Field Blank	A4063407	L3997.RR	01/28/2004	18:02
14	ME-14	A4063408	L3998.RR	01/28/2004	18:34
15	ME-18	A4063409	L3999.RR	01/28/2004	19:07

SHAW E & I
LOW CONC. VOLATILE ORGANIC TUNING CALIBRATION
BROMOFLUOROBENZENE (BFB)

Lab Name: STL Buffalo Contract: _____ Tune ID: A4T0000192

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: L4011 BFB Injection Date: 01/28/2004

Instrument ID: I50L BFB Injection Time: 21:04

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	8.0 - 40.0% of mass 95	20.3		
75	30.0 - 66.0% of mass 95	47.7		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.4		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50.0 - 120.0% of mass 95	64.9		
175	4.0 - 9.0% of mass 174	4.1	(6.3)	1
176	93.0 - 101.0% of mass 174	61.8	(95.3)	1
177	5.0 - 9.0% of mass 176	3.5	(5.7)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A4C0000312-1	L4012.RR	01/28/2004	21:35
2	VBLK74	A4063419	L4013.RR	01/28/2004	22:13
3	MSB74	A4063420	L4014.RR	01/28/2004	23:00
4	A-42S	A4063403	L4015.RR	01/28/2004	23:33
5	DUP-1	A4063406	L4016.RR	01/29/2004	00:06
6	MW-10	A4063415	L4017.RR	01/29/2004	00:39
7	ME-19	A4063410	L4018.RR	01/29/2004	01:11
8	MW-2	A4063411	L4019.RR	01/29/2004	01:44
9	MW-20	A4063412	L4020.RR	01/29/2004	02:17
10	MW-8	A4063414	L4021.RR	01/29/2004	02:50
11	Trip Blank	A4063416	L4022.RR	01/29/2004	03:22
12	MW-6	A4063413	L4023.RR	01/29/2004	03:55

SHAW E & I
LOW CONC. VOLATILE ORGANIC TUNING CALIBRATION
BROMOFLUOROBENZENE (BFB)

ab Name: STL Buffalo Contract: _____ Tune ID: A4T0000193

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ab File ID: L4026 BFB Injection Date: 01/29/2004

nstrument ID: I50L BFB Injection Time: 08:58

C Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	8.0 - 40.0% of mass 95	18.2		
75	30.0 - 66.0% of mass 95	43.3		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.9		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50.0 - 120.0% of mass 95	67.2		
175	4.0 - 9.0% of mass 174	4.6	(6.9)	1
176	93.0 - 101.0% of mass 174	67.1	(99.8)	1
177	5.0 - 9.0% of mass 176	3.8	(5.7)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A4C0000313-1	L4027.RR	01/29/2004	09:29
2	VBLK75	A4063421	L4028.RR	01/29/2004	10:27
3	MSB75	A4063422	L4029.RR	01/29/2004	11:03
4	MW-6 MS	A4063413MS	L4030.RR	01/29/2004	11:41
5	MW-6 SD	A4063413SD	L4031.RR	01/29/2004	12:12

ASP 2000 - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000311

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): L3985.RR Date Analyzed: 01/28/2004

Instrument ID: I50L Time Analyzed: 10:51

GC Column(1): DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
12 HOUR STD	358565		16.33		233945		19.96		372506		11.14	
UPPER LIMIT	501991		16.66		327523		20.29		521508		11.47	
LOWER LIMIT	215139		16.00		140367		19.63		223504		10.81	
CLIENT SAMPLE												
A-26S	332321		16.36		216652		19.99		347492		11.16	
A-27S	332639		16.36		218698		19.99		346126		11.19	
A-43S	334430		16.35		180815		20.00		349704		11.16	
DG-1	302549		16.35		179151		19.99		329280		11.18	
Field Blank	290657		16.35		188271		19.99		311517		11.16	
ME-14	294072		16.34		182672		19.99		316778		11.16	
ME-18	296977		16.35		185395		19.99		308922		11.18	
MSB73	349828		16.34		242030		19.98		353697		11.15	
VBLK73	319948		16.31		200245		19.95		335981		11.11	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(60-140)	-0.33 / +0.33 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(60-140)	-0.33 / +0.33 min
IS3 (DFB) = 1,4-Difluorobenzene	(60-140)	-0.33 / +0.33 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

ASP 2000 - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

88/401

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000312

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): L4012.RR Date Analyzed: 01/28/2004

Instrument ID: I50L Time Analyzed: 21:35

GC Column(1): DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
12 HOUR STD	358927		16.38		247567		20.03		361537		11.18	
UPPER LIMIT	502498		16.71		346594		20.36		506152		11.51	
LOWER LIMIT	215356		16.05		148540		19.70		216922		10.85	
CLIENT SAMPLE												
A-42S	337545		16.38		219225		20.00		365668		11.20	
DUP-1	334831		16.36		197005		20.00		349501		11.19	
ME-19	314638		16.36		180817		20.00		325104		11.19	
MSB74	359931		16.35		249056		19.98		358461		11.16	
MW-10	318305		16.36		203994		19.99		340076		11.20	
MW-2	309902		16.36		173727		19.99		333498		11.19	
MW-20	297159		16.35		190580		19.99		322411		11.18	
MW-6	298239		16.35		197684		19.99		317794		11.18	
MW-8	294087		16.34		192811		19.98		323413		11.16	
Trip Blank	286150		16.35		179557		19.99		309619		11.18	
VBLK74	363848		16.36		229925		20.00		379684		11.20	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(60-140)	-0.33 / +0.33 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(60-140)	-0.33 / +0.33 min
IS3 (DFB) = 1,4-Difluorobenzene	(60-140)	-0.33 / +0.33 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

ASP 2000 - VOLATILES
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000313

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): L4027.RR Date Analyzed: 01/29/2004

Instrument ID: I50L Time Analyzed: 09:29

GC Column(1): DB-624 ID: 0.530 (mm) Heated Purge: (Y/N) N

	IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
12 HOUR STD	347672		16.33		229760		19.96		366569		11.11	
UPPER LIMIT	486741		16.66		321664		20.29		513197		11.44	
LOWER LIMIT	208603		16.00		137856		19.63		219941		10.78	
CLIENT SAMPLE												
MSB75	340605		16.30		234092		19.94		353363		11.10	
MW-6 MS	352574		16.28		243211		19.93		373306		11.09	
MW-6 SD	381508		16.29		258595		19.94		408364		11.10	
VBLK75	312620		16.29		183686		19.94		337650		11.09	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(60-140)	-0.33 / +0.33 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(60-140)	-0.33 / +0.33 min
IS3 (DFB) = 1,4-Difluorobenzene	(60-140)	-0.33 / +0.33 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

LAB: RECNY
METHOD: 8260
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEPT
ASP00	8260	MV	A	1,1,1,2-Tetrachloroethane	10.00000	1.00000	1.12142	0.21970	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,1,1-Trichloroethane	10.00000	1.00000	0.68926	0.32561	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,1,2,2-Tetrachloroethane	10.00000	1.00000	1.11199	0.31744	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,1,2-Trichloro-1,2,2-trifluoroethane	10.00000	1.00000	0.96710	0.15244	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,1,2-Trichloroethane	10.00000	1.00000	0.91807	0.34007	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,1-Dichloroethane	10.00000	1.00000	1.02116	0.30424	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,1-Dichloroethene	10.00000	1.00000	0.61194	0.42179	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,1-Dichloropropene	10.00000	1.00000	0.97496	0.30236	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2,3-Trichlorobenzene	10.00000	1.00000	1.10822	0.54657	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2,3-Trichloropropane	10.00000	1.00000	1.01865	0.62923	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2,4-Trichlorobenzene	10.00000	1.00000	0.92970	0.32813	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2,4-Trimethylbenzene	10.00000	1.00000	0.73515	0.21467	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2-Dibromo-3-chloropropane	10.00000	1.00000	1.02996	0.31147	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2-Dibromoethane	10.00000	1.00000	0.78135	0.34573	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2-Dichlorobenzene	10.00000	1.00000	0.56543	0.30864	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2-Dichloroethane	10.00000	1.00000	0.88350	0.30267	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2-Dichloroethene (Total)	20.00000	2.00000	4.73650	0.29000	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,2-Dichloropropane	10.00000	1.00000	0.94950	0.30236	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,3,5-Trimethylbenzene	10.00000	1.00000	0.65186	1.92257	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	1,3-Dichlorobenzene	10.00000	1.00000	0.57517	0.39476	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,3-Dichloropropane	10.00000	1.00000	0.83541	0.43153	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1,4-Dichlorobenzene	10.00000	1.00000	0.56605	0.27690	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	1-Chlorohexane	10.00000	1.00000	0.80000	0.16000	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	2,2-Dichloropropane	10.00000	1.00000	1.03719	0.33064	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	2-Butanone	10.00000	5.00000	3.48779	2.38019	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	2-Chloro-1,3-butadiene	10.00000	1.00000	4.00000	0.11400	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	2-Chloroethylvinyl ether	10.00000	5.00000	11.51972	1.50141	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	2-Hexanone	10.00000	5.00000	4.71796	2.04578	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	3-Chloropropene (Allyl Chlor.)	10.00000	1.00000	3.60000	0.18200	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	4-Methyl-2-pentanone	10.00000	5.00000	4.21068	2.29565	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Acetone	10.00000	5.00000	22.57334	4.03687	UG/KG	UG/L	CRQL	
ASP00	8260	MV	A	Acetonitrile	100.00000	40.00000	12.00312	27.26961	UG/KG	UG/L	CRQL	
ASP00	8260	MV	A	Acrolein	100.00000	20.00000	25.92881	8.91449	UG/KG	UG/L	CRQL	
ASP00	8260	MV	A	Acrylonitrile	100.00000	20.00000	20.14977	7.11984	UG/KG	UG/L	CRQL	
ASP00	8260	MV	A	Benzene	10.00000	1.00000	0.81309	0.31964	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Biphenyl	0.00000	0.00000	0.75330	0.00000	UG/KG	UG/L	CRQL	Y

LAB: RECNY
METHOD: 8260
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEPT
ASP00	8260	MV	A	Bromobenzene	10.00000	1.00000	0.84798	2.11870	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	Bromochloromethane	10.00000	1.00000	0.92216	0.40859	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Bromodichloromethane	10.00000	1.00000	0.71943	0.31964	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Bromoform	10.00000	1.00000	1.12708	0.25175	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Bromomethane	10.00000	1.00000	1.46590	0.41613	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Caprolactam	0.00000	0.00000	1.30800	0.00000	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	Carbon Disulfide	10.00000	1.00000	1.23991	0.44316	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Carbon Tetrachloride	10.00000	1.00000	0.84358	0.29136	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Chlorobenzene	10.00000	1.00000	0.59811	0.27847	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Chloroethane	10.00000	1.00000	0.84138	0.26590	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Chloroform	10.00000	1.00000	1.26286	0.42148	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Chloromethane	10.00000	1.00000	0.73138	0.37213	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Cyclohexane	10.00000	1.00000	0.87564	0.11126	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Dibromochloromethane	10.00000	1.00000	0.91021	0.33127	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Dibromomethane	10.00000	1.00000	0.88538	0.82095	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Dichlorodifluoromethane	10.00000	1.00000	1.15222	0.20304	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Dichlorofluoromethane	10.00000	1.00000	0.18000	0.51800	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Ethyl methacrylate	10.00000	1.00000	0.71535	0.58491	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Ethylbenzene	10.00000	1.00000	0.62451	0.34227	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Hexachlorobutadiene	10.00000	1.00000	1.11797	0.24075	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Iodomethane	10.00000	1.00000	4.75284	0.49251	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Isobutanol	100.00000	40.00000	93.00000	18.30000	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Isopropylbenzene	10.00000	1.00000	0.57485	0.12069	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Methacrylonitrile	100.00000	1.00000	0.00000	0.28900	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Methyl acetate	10.00000	1.00000	1.94929	0.14804	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Methyl methacrylate	10.00000	1.00000	3.50000	0.23500	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Methyl tert butyl ether	10.00000	1.00000	0.55097	0.21498	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Methylcyclohexane	10.00000	1.00000	0.91744	0.09775	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Methylene chloride	10.00000	2.00000	4.41969	0.38219	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Naphthalene	10.00000	1.00000	1.95966	0.44222	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Pentachloroethane	10.00000	10.00000	0.71000	0.32000	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Propionitrile	100.00000	10.00000	14.30000	1.33000	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Styrene	10.00000	1.00000	1.20345	0.33033	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Tetrachloroethene	10.00000	1.00000	0.80272	0.30864	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Toluene	10.00000	1.00000	1.61865	0.35170	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Total Xylenes	10.00000	3.00000	2.87000	0.51000	UG/KG	UG/L	CRQL	N

LAB: RECNY
METHOD: 8260
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEPT
ASP00	8260	MV	A	Trichloroethene	10.00000	1.00000	0.63834	0.32373	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Trichlorofluoromethane	10.00000	1.00000	0.94290	0.16344	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Vinyl acetate	10.00000	5.00000	5.55525	1.71136	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	Vinyl chloride	10.00000	1.00000	0.77632	0.35547	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	cis-1,2-Dichloroethene	10.00000	1.00000	1.18900	0.32027	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	cis-1,3-Dichloropropene	10.00000	1.00000	0.79486	0.39539	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	m-Chlorotoluene	10.00000	1.00000	0.75900	0.16000	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	m-Xylene	0.00000	1.00000	0.93150	0.17500	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	m/p-Xylenes	20.00000	2.00000	1.82137	0.67512	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	n-Butylbenzene	10.00000	1.00000	1.94520	2.48674	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	n-Propylbenzene	10.00000	1.00000	0.88758	1.48915	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	o-Chlorotoluene	10.00000	1.00000	0.86118	0.20995	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	o-Xylene	10.00000	1.00000	1.11577	0.36427	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	p-Chlorotoluene	10.00000	1.00000	0.52080	1.42001	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	p-Cymene	10.00000	1.00000	1.05133	0.22912	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	p-Xylene	0.00000	1.00000	0.93150	0.17500	UG/KG	UG/L	CRQL	Y
ASP00	8260	MV	A	sec-Butylbenzene	10.00000	1.00000	0.99382	0.14332	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	tert-Butylbenzene	10.00000	1.00000	1.02965	0.17821	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	trans-1,2-Dichloroethene	10.00000	1.00000	1.42629	0.36773	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	trans-1,3-Dichloropropene	10.00000	1.00000	0.96459	0.41330	UG/KG	UG/L	CRQL	N
ASP00	8260	MV	A	trans-1,4-Dichloro-2-butene	100.00000	5.00000	5.13346	1.46024	UG/KG	UG/L	CRQL	N

SAMPLE DATA

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

94/401

Client No.

A-26S

o Name: STL Buffalo Contract: _____

o Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063401

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3990.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

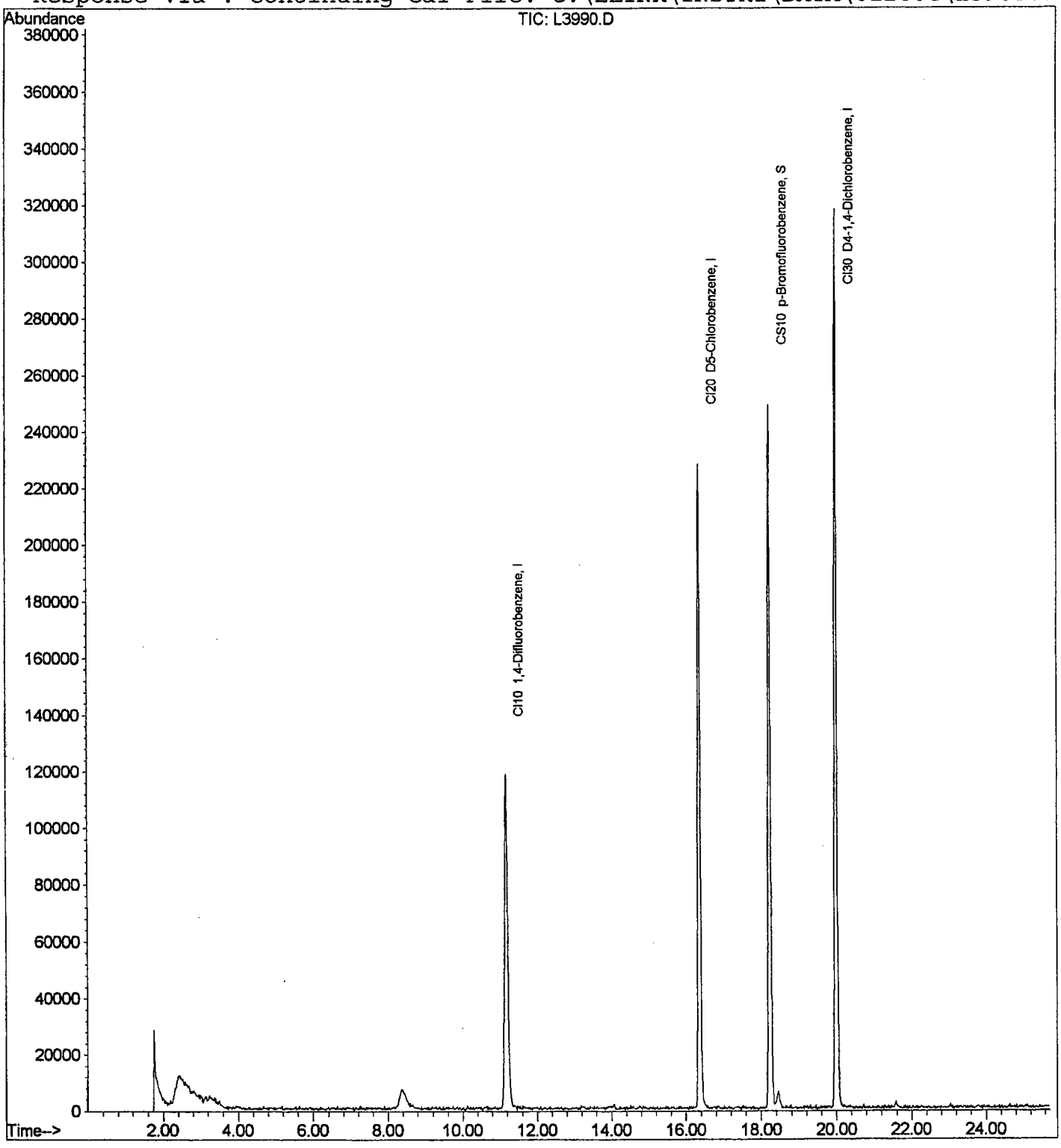
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3990.D Vial: 3
Acq On : 28 Jan 2004 14:13 Operator: PC
Sample : A4063401 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 16:20 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3990.D Vial: 3
Acq On : 28 Jan 2004 14:13 Operator: PC
Sample : A4063401 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 16:20 19104 Quant Results File: LOWCLP.RES

Clean B 1/28/04 MTC

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.16	114	347492	125.00	ng	0.03 93.28%
24) CI20	D5-Chlorobenzene	16.36	117	332321	125.00	ng	0.04 92.68%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	216652	125.00	ng	0.03 92.61%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.23	174	158560	122.98	ng	0.03
Spiked Amount 125.000		Range 80 - 120		Recovery = 98.38%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

C9

2/2/2004

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3990.D Vial: 3
Acq On : 28 Jan 2004 14:13 Operator: PC
Sample : A4063401 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 16:20 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/2/2004

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

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

98/401

Client No.

A-27S

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063402

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3991.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

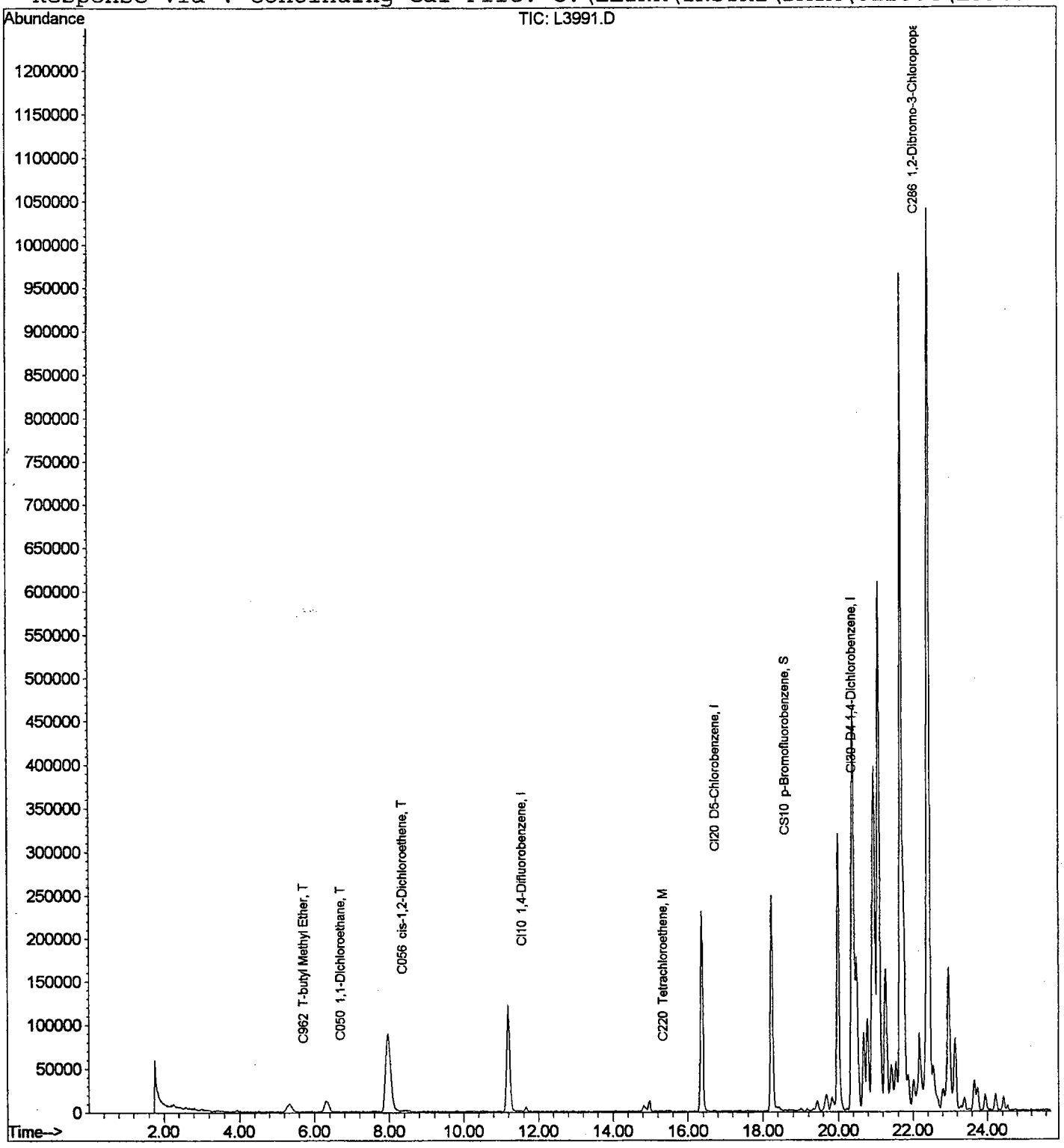
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.3	J
75-34-3	1,1-Dichloroethane	2	
540-59-0	1,2-Dichloroethene (Total)	8	
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3991.D Vial: 4
Acq On : 28 Jan 2004 14:45 Operator: PC
Sample : A4063402 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 16:20 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3991.D Vial: 4
Acq On : 28 Jan 2004 14:45 Operator: PC
Sample : A4063402 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 16:20 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.19	114	346126	125.00	ng	0.05 92.92%
24) CI20	D5-Chlorobenzene	16.36	117	332639	125.00	ng	0.04 92.77%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	218698	125.00	ng	0.03 93.48%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.23	174	157715	122.21	ng	0.03
Spiked Amount 125.000	Range 80 - 120			Recovery = 97.77%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	5.34	73	46246	~~26.22~~ ng NCF		94
13) C050	1,1-Dichloroethane	6.33	63	68138	38.09	ng	92
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	7.98	96	193406	200.00	ng	93
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3991.D
Acq On : 28 Jan 2004 14:45
Sample : A4063402 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 16:20 19104

Vial: 4
Operator: PC
Inst : I50L
Multiplr: 1.00
Quant Results File: LOWCLP.RES

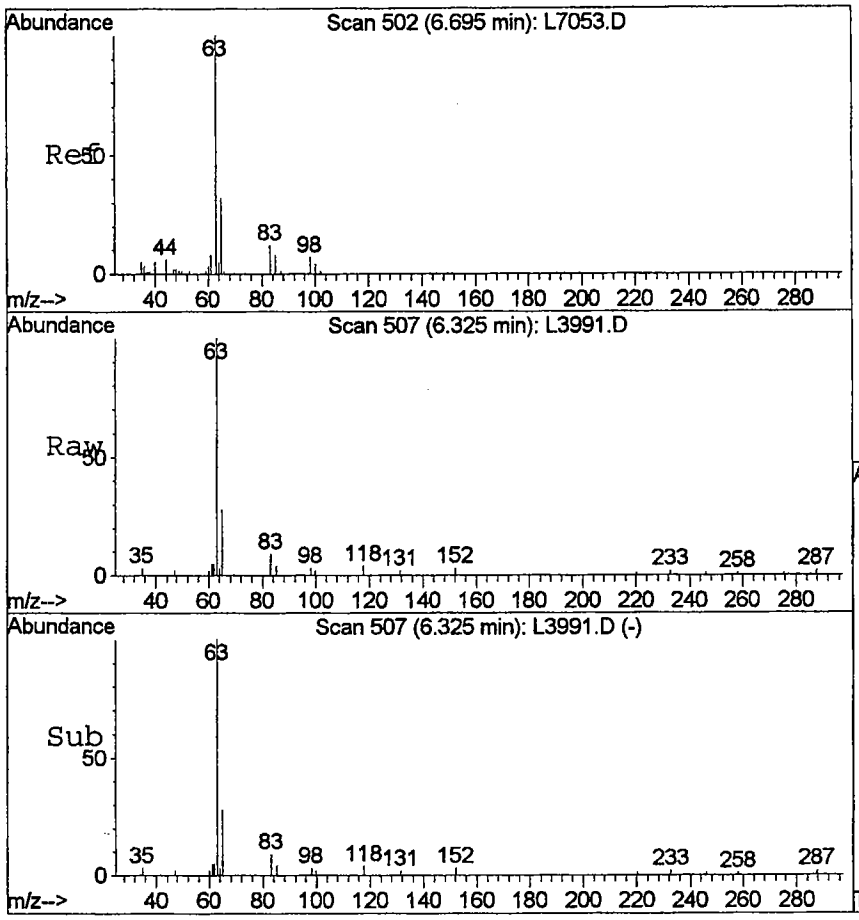
Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.			
31)	C165	Benzene	0.00	78		N.D.			
32)	C155	Dibromochloromethane	0.00	129		N.D.			
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.			
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.			
~~35)~~	~~C220~~	~~Tetrachloroethene~~	~~14.96~~	~~166~~	~~11069~~	~~8.15~~	~~ng~~	~~#~~	~~79~~
36)	C163	1,2-Dibromoethane	0.00	109		N.D.			
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.			
38)	C215	2-Hexanone	0.00	43		N.D.			
39)	C230	Toluene	0.00	91		N.D.			
40)	C235	Chlorobenzene	0.00	112		N.D.			
41)	C240	Ethylbenzene	0.00	91		N.D.			
42)	C246	m,p-Xylene	0.00	106		N.D.			
43)	C247	o-Xylene	0.00	106		N.D.			
44)	C245	Styrene	0.00	104		N.D.			
46)	C966	Isopropylbenzene	0.00	105		N.D.			
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.			
49)	C180	Bromoform	0.00	173		N.D.			
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.			
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.			
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.			
~~53)~~	~~C286~~	~~1,2-Dibromo-3-Chloro~~	~~21.68~~	~~75~~	~~10072~~	~~35.18~~	~~ng~~	~~#~~	~~13~~
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.			

OK present

2/2/04

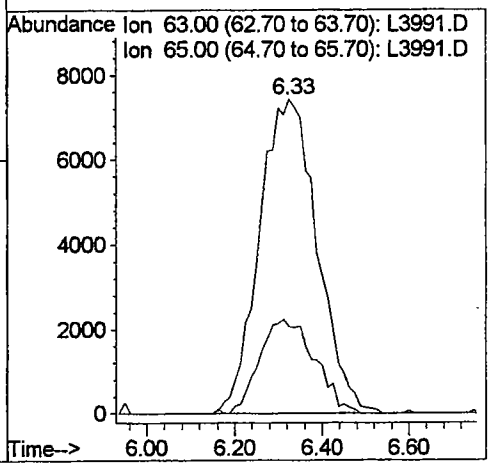
(#) = qualifier out of range (m) = manual integration

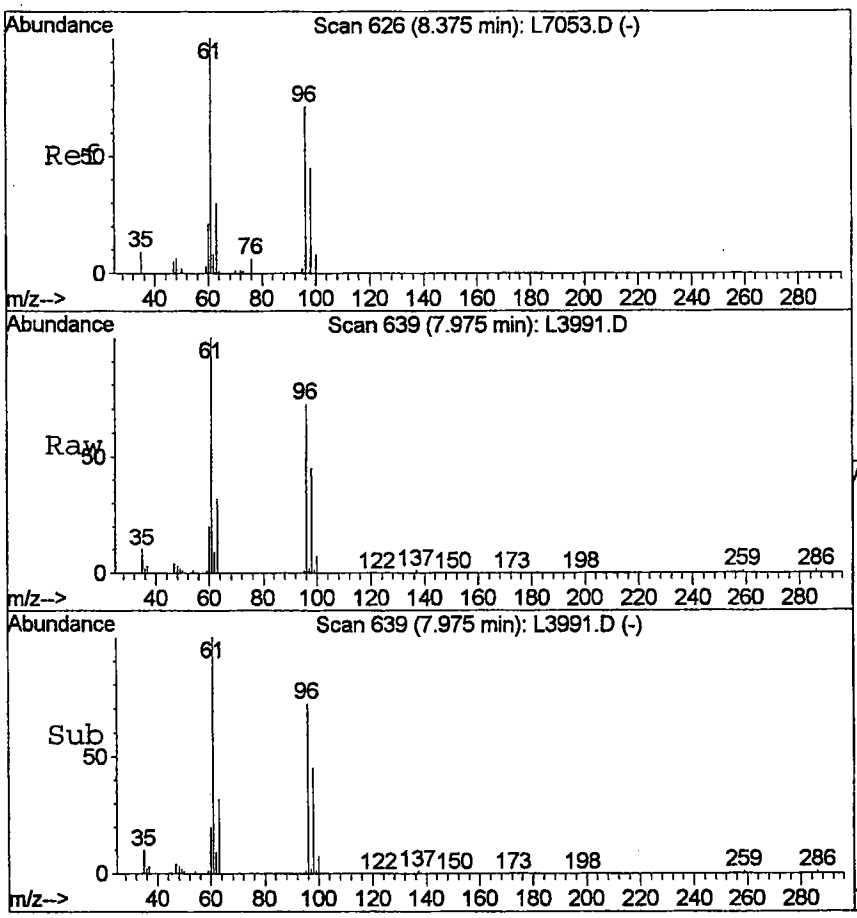


#13
C050 1,1-Dichloroethane
Concen: 38.09 ng
RT: 6.33 min Scan# 507
Delta R.T. 0.05 min
Lab File: L3991.D
Acq: 28 Jan 2004 14:45

Tgt Ion: 63 Resp: 68138

Ion	Ratio	Lower	Upper
63	100		
65	27.8	12.2	52.2

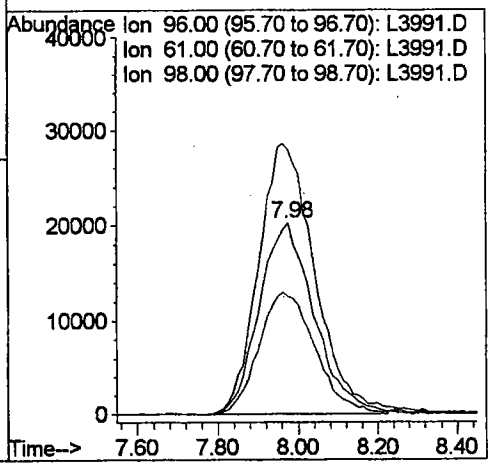


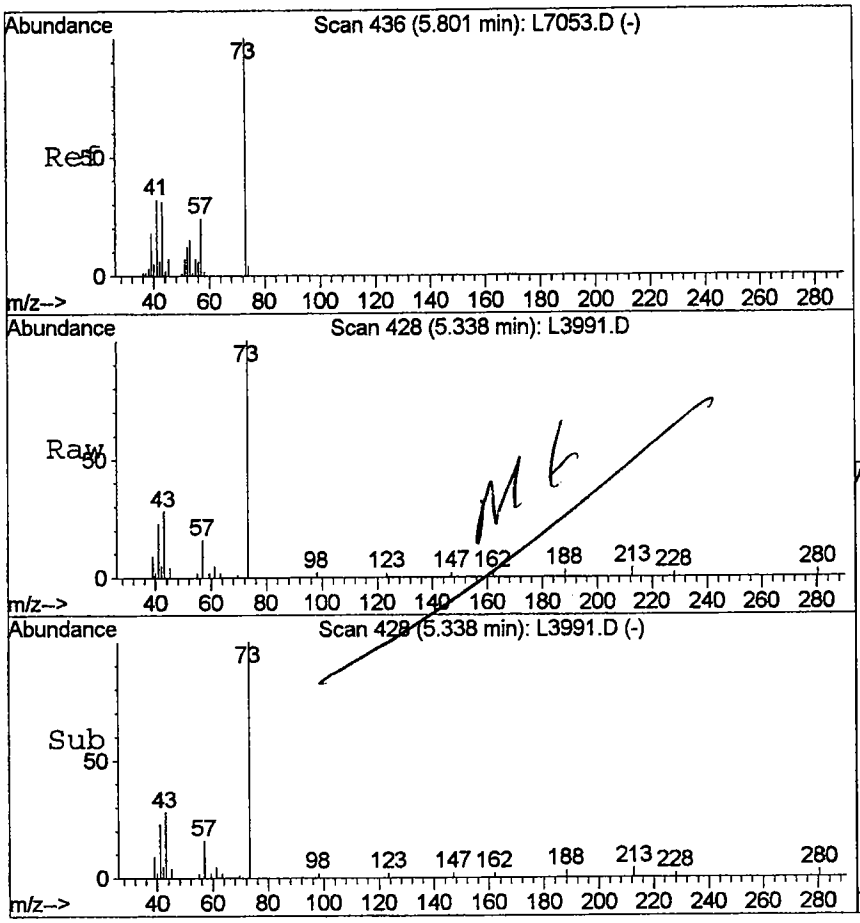


#15
C056 cis-1,2-Dichloroethene
Concen: 200.00 ng
RT: 7.98 min Scan# 639
Delta R.T. 0.09 min
Lab File: L3991.D
Acq: 28 Jan 2004 14:45

Tgt Ion: 96 Resp: 193406

Ion	Ratio	Lower	Upper
96	100		
61	138.0	129.4	169.4
98	62.0	41.5	81.5

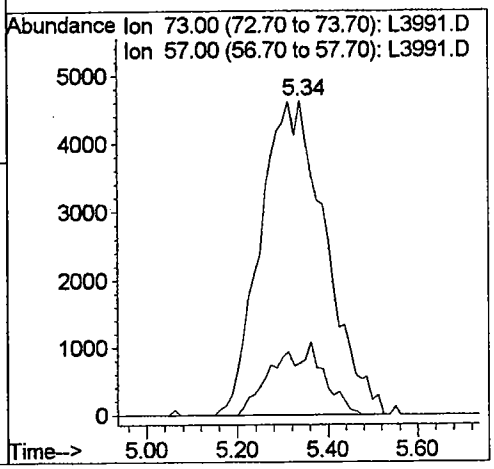


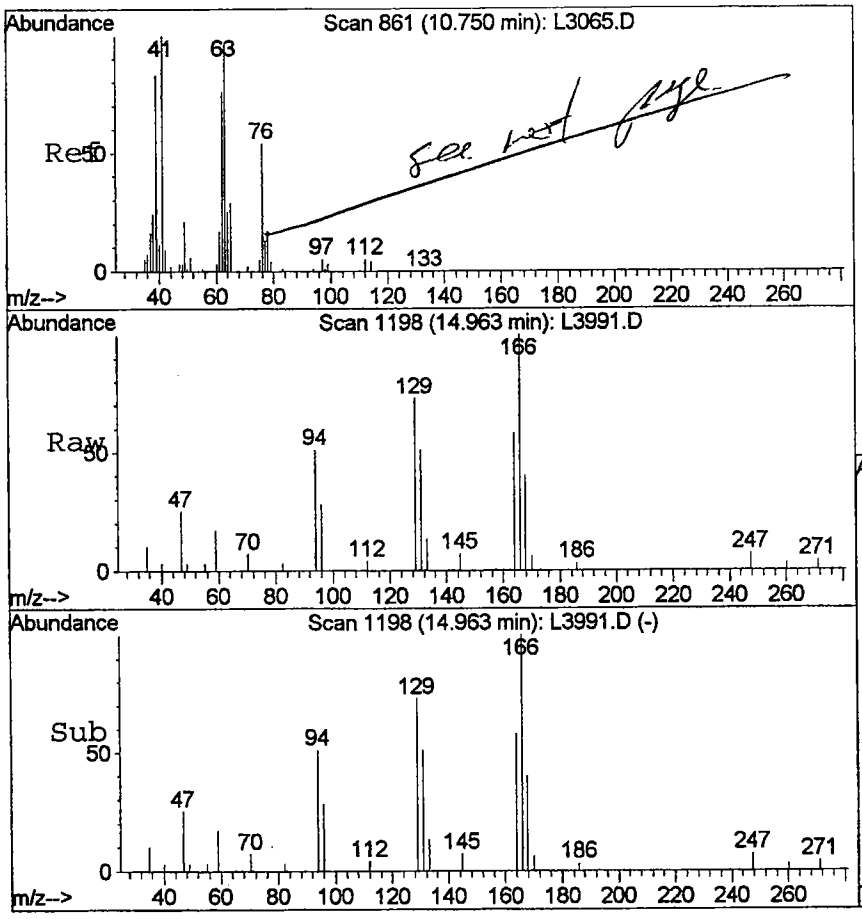


#12
C962 T-butyl Methyl Ether
Concen: 26.22 ng
RT: 5.34 min Scan# 428
Delta R.T. 0.06 min
Lab File: L3991.D
Acq: 28 Jan 2004 14:45

Tgt Ion: 73 Resp: 46246

Ion	Ratio	Lower	Upper
73	100		
57	16.5	0.0	39.0

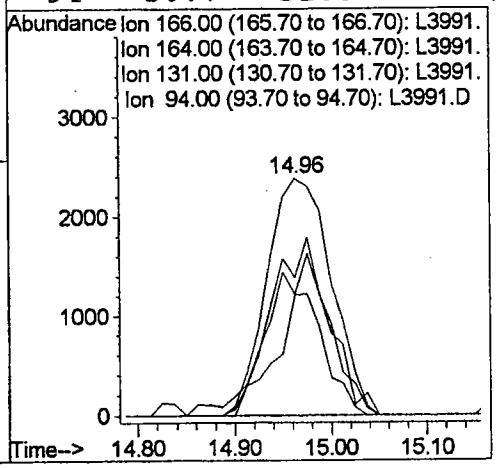




#35
C220 Tetrachloroethene
Concen: 8.15 ng m
RT: 14.96 min Scan# 1198
Delta R.T. 0.04 min
Lab File: L3991.D
Acq: 28 Jan 2004 14:45

Tgt Ion:166 Resp: 11069

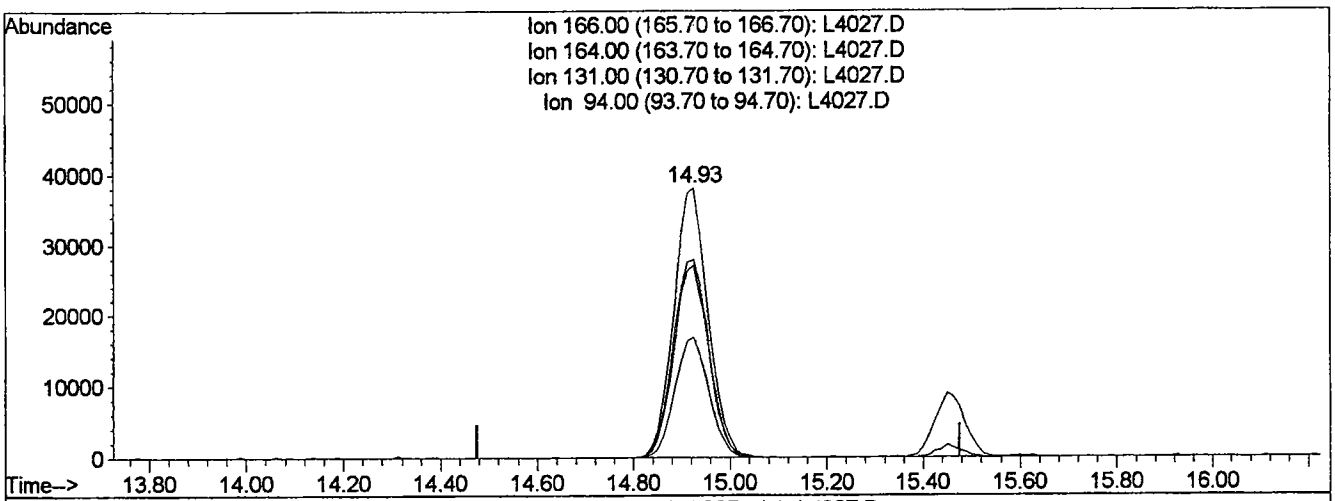
Ion	Ratio	Lower	Upper
166	100		
164	58.0	60.6	91.0#
131	50.9	55.2	82.8#
94	50.7	31.6	47.4#

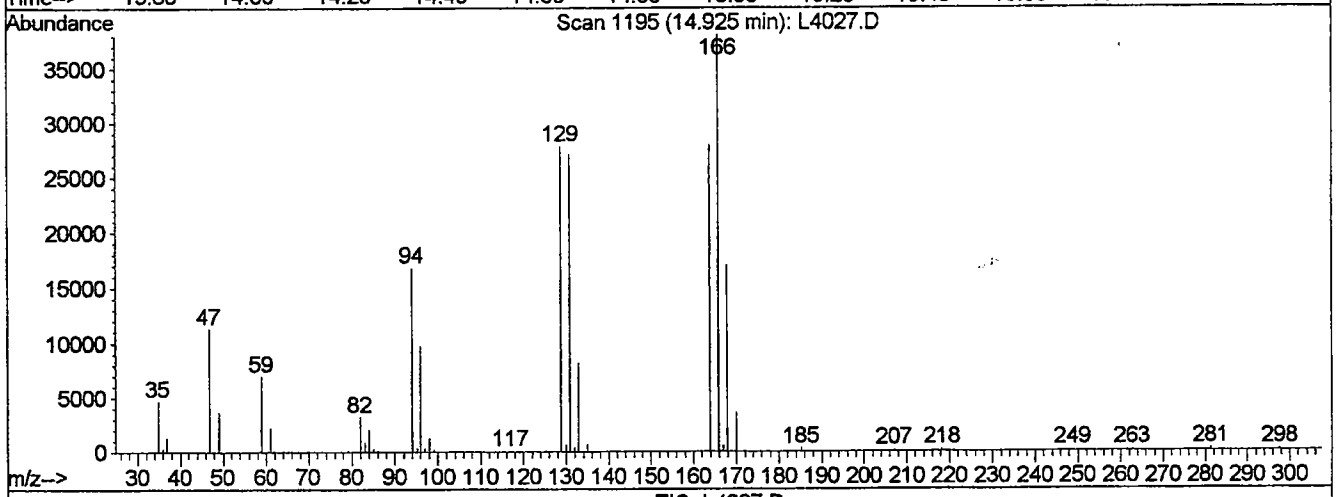


Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4027.D Vial: 1
Acq On : 29 Jan 2004 09:29 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
Quant Time: Jan 29 9:58 19104 Quant Results File: temp.res

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single Level Calibration





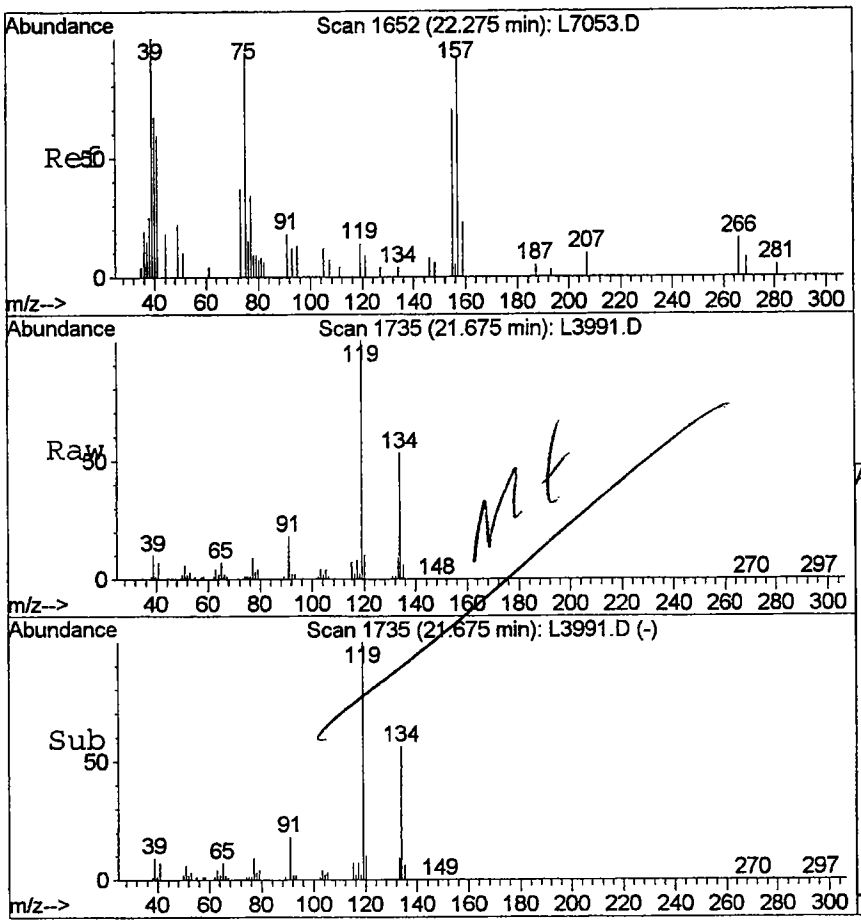
TIC: L4027.D

(35) C220 Tetrachloroethene (M)

14.93min 116.15ng

response 184907

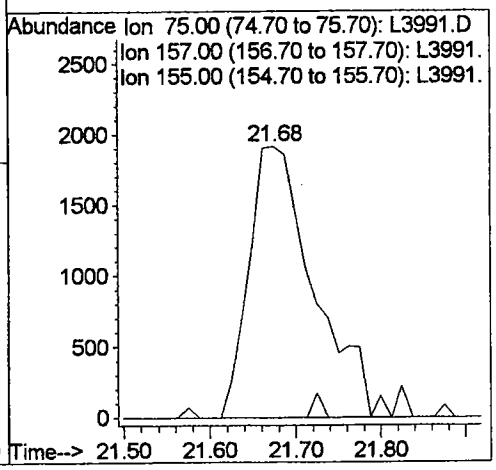
Ion	Exp%	Act%
166.00	100	100
164.00	75.80	73.27
131.00	69.00	71.09
94.00	39.50	44.04



#53
C286 1,2-Dibromo-3-Chloropro
Concen: 35.18 ng m
RT: 21.68 min Scan# 1735
Delta R.T. -0.14 min
Lab File: L3991.D
Acq: 28 Jan 2004 14:45

Tgt Ion: 75 Resp: 10072

Ion	Ratio	Lower	Upper
75	100		
157	0.0	64.7	97.1#
155	0.0	52.3	78.5#



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

106/401

Client No.

A-42S

o Name: STL Buffalo Contract: _____

o Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063403

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4015.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

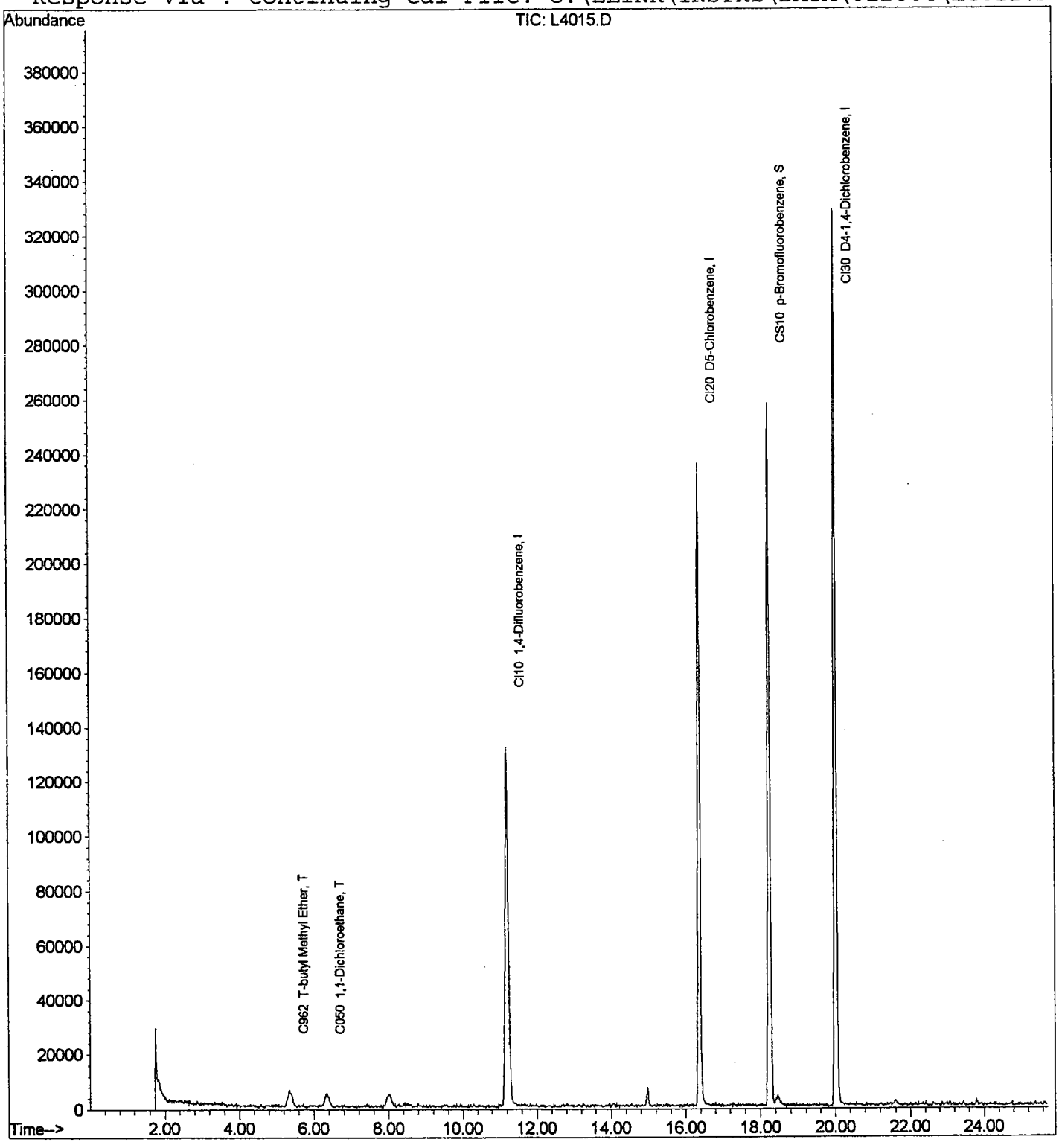
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	0.5	J
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4015.D Vial: 5
Acq On : 28 Jan 2004 23:33 Operator: CDC
Sample : A4063403 B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4015.D
Acq On : 28 Jan 2004 23:33
Sample : A4063403 B
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104

Vial: 5
Operator: CDC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

NOT.cs 1/29/04

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.20	114	365668	125.00	ng	0.02 101.14%
24) CI20	D5-Chlorobenzene	16.38	117	337545	125.00	ng	0.00 94.04%
48) CI30	D4-1,4-Dichlorobenze	20.00	152	219225	125.00	ng	-0.02 88.55%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.24	174	162186	124.36	ng	-0.01
Spiked Amount 125.000	Range 80 - 120			Recovery = 99.49%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	5.36	73	29989	15.55	ng	~~94~~ mt
13) C050	1,1-Dichloroethane	6.34	63	25809	13.39	ng	90
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Data File : C:\ELINK\INSTR1\DATA\012804\L4015.D
Acq On : 28 Jan 2004 23:33
Sample : A4063403 B
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104

Vial: 5
Operator: CDC
Inst : I50L
Multiplr: 1.00

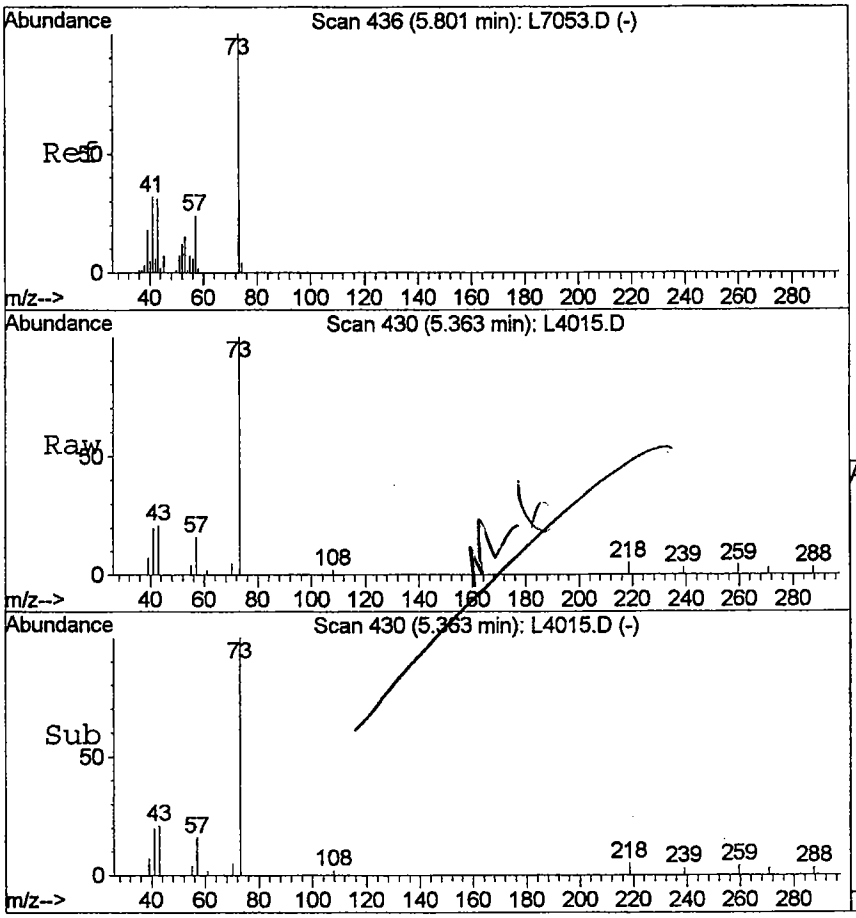
Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

mm 2/2/2004

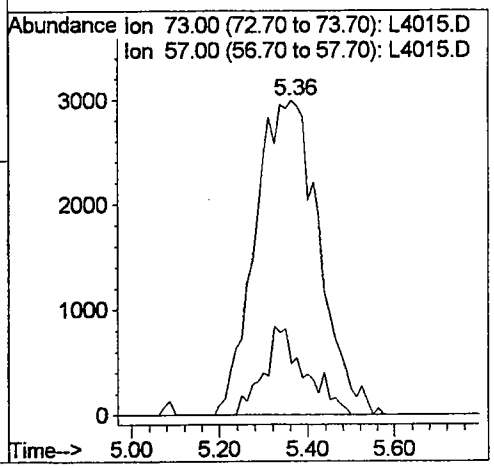
(#) = qualifier out of range (m) = manual integration

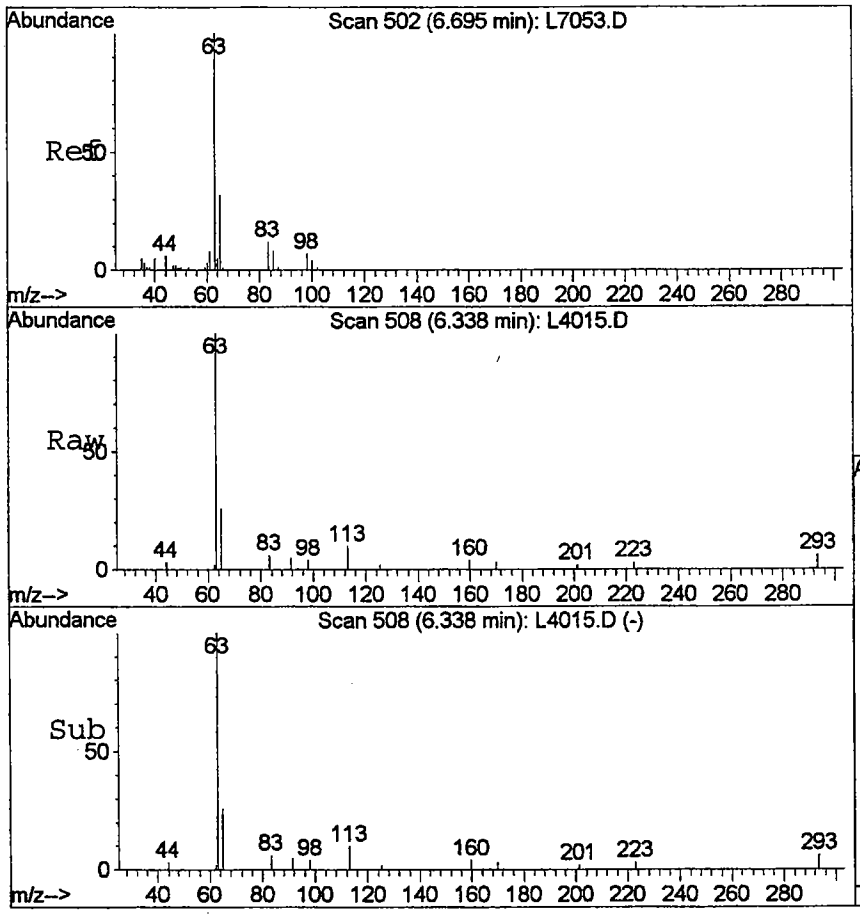


#12
C962 T-butyl Methyl Ether
Concen: 15.55 ng
RT: 5.36 min Scan# 430
Delta R.T. 0.06 min
Lab File: L4015.D
Acq: 28 Jan 2004 23:33

Tgt Ion: 73 Resp: 29989

Ion	Ratio	Lower	Upper
73	100		
57	16.3	0.0	39.0

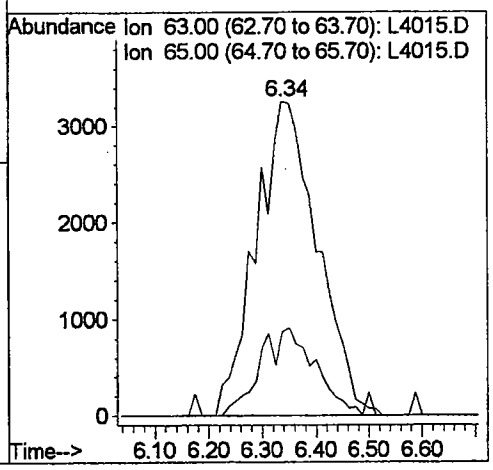




#13
C050 1,1-Dichloroethane
Concen: 13.39 ng
RT: 6.34 min Scan# 508
Delta R.T. 0.04 min
Lab File: L4015.D
Acq: 28 Jan 2004 23:33

Tgt Ion: 63 Resp: 25809

Ion	Ratio	Lower	Upper
63	100		
65	26.5	12.2	52.2



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

111/401

Client No.

A-43S

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063404

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3993.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

' Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

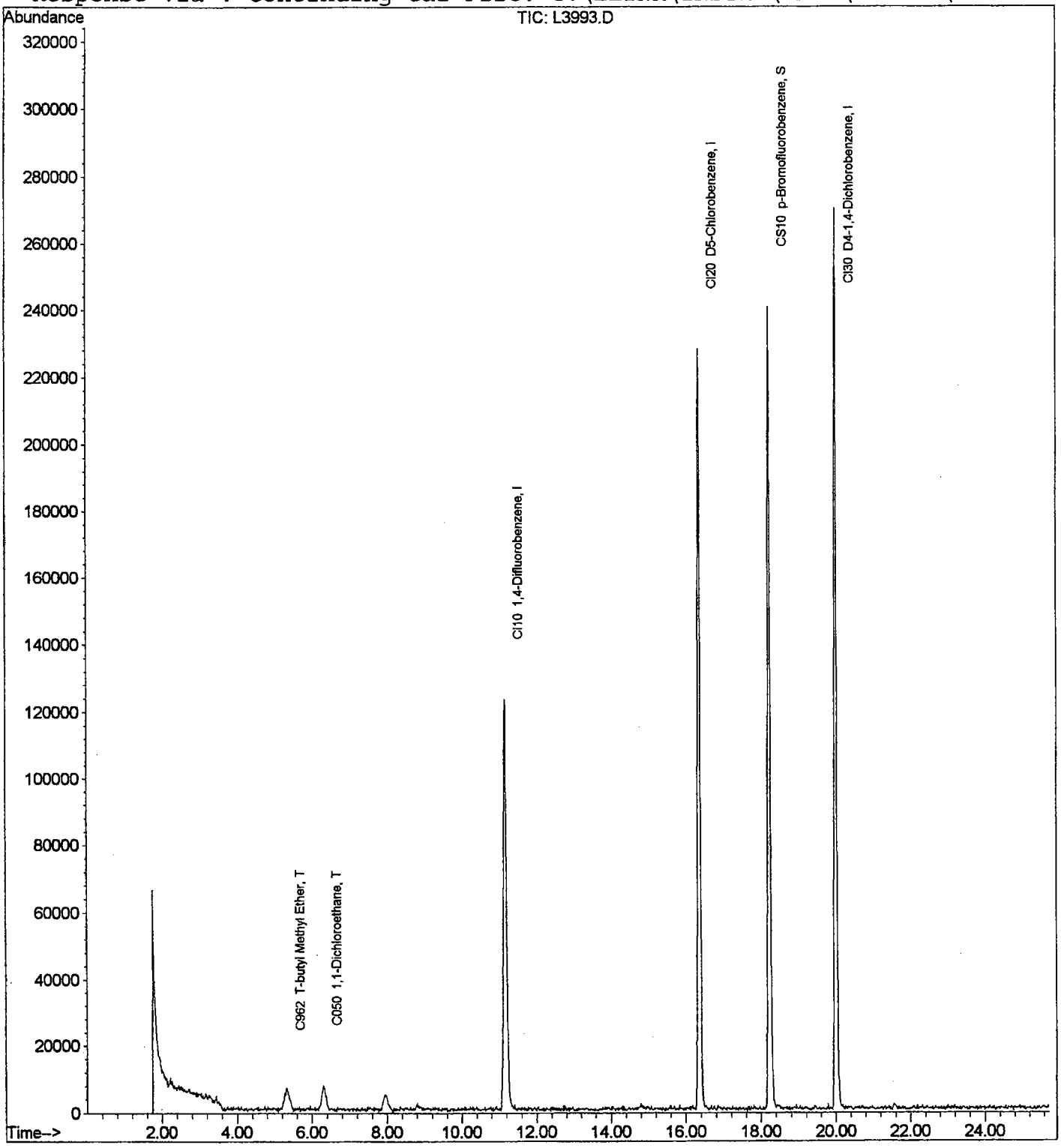
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	0.8	J
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3993.D Vial: 6
Acq On : 28 Jan 2004 15:51 Operator: PC
Sample : A4063404 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:16 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

113/401

Data File : C:\ELINK\INSTR1\DATA\012804\L3993.D
Acq On : 28 Jan 2004 15:51
Sample : A4063404 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:16 19104

Vial: 6
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

NO RES S.C 1/28/04

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.16	114	349704	125.00	ng	0.03 93.88%
24) CI20	D5-Chlorobenzene	16.35	117	334430	125.00	ng	0.03 93.27%
48) CI30	D4-1,4-Dichlorobenze	20.00	152	180815	125.00	ng	0.04 77.29%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.23	174	154681	119.22	ng	0.03
Spiked Amount 125.000	Range 80 - 120			Recovery = 95.38%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	5.33	73	30076	16.88	ng	99
13) C050	1,1-Dichloroethane	6.30	63	37821	20.92	ng	83
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

2/2/04

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

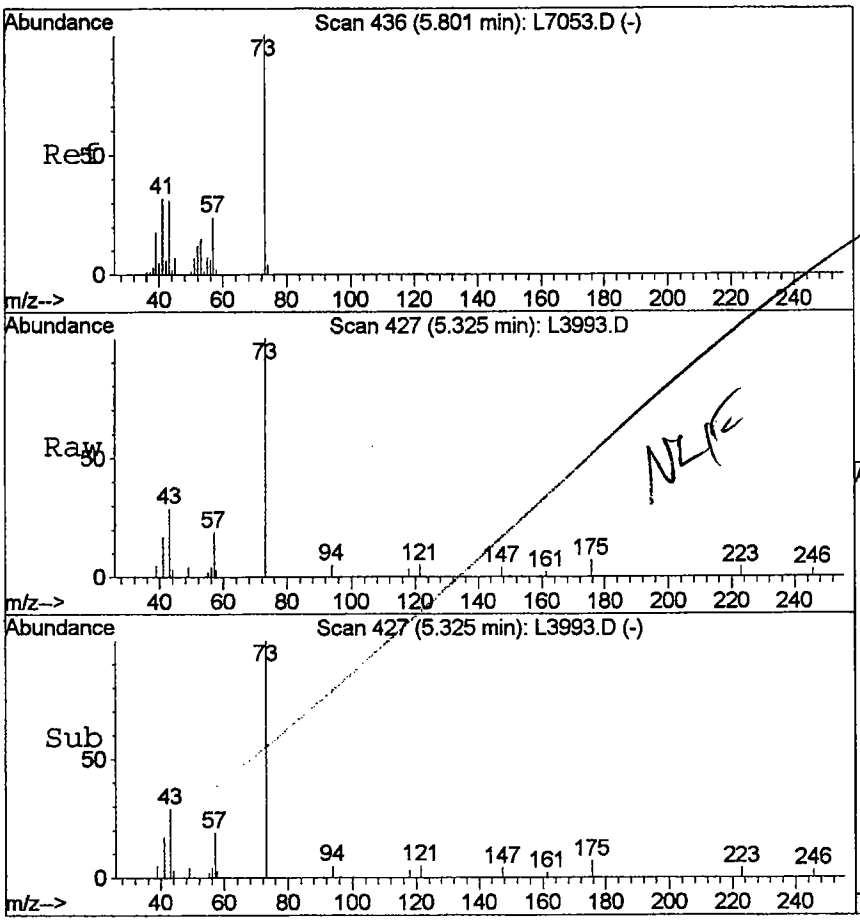
Data File : C:\ELINK\INSTR1\DATA\012804\L3993.D Vial: 6
Acq On : 28 Jan 2004 15:51 Operator: PC
Sample : A4063404 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:16 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

3/12/2004

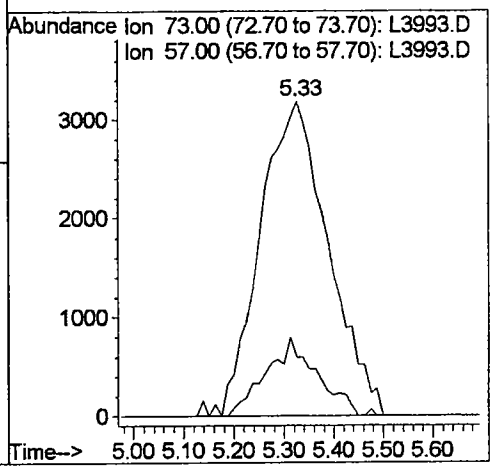
(#) = qualifier out of range (m) = manual integration

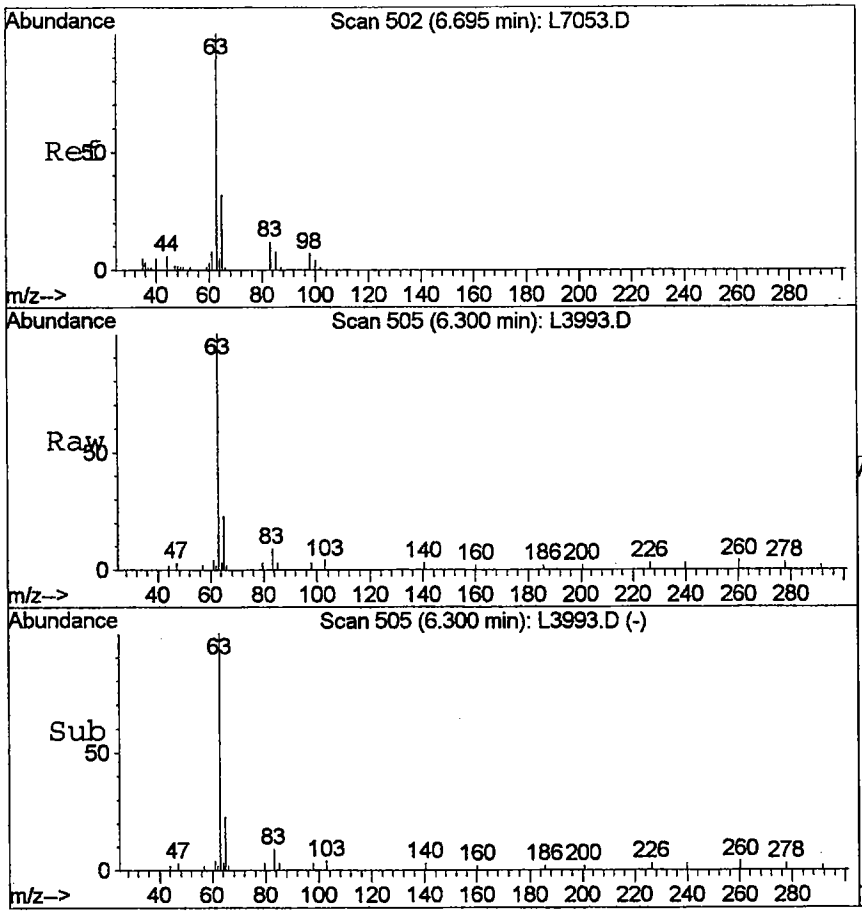


#12
C962 T-butyl Methyl Ether
Concen: 16.88 ng
RT: 5.33 min Scan# 427
Delta R.T. 0.05 min
Lab File: L3993.D
Acq: 28 Jan 2004 15:51

Tgt Ion: 73 Resp: 30076

Ion	Ratio	Lower	Upper
73	100		
57	18.6	0.0	39.0

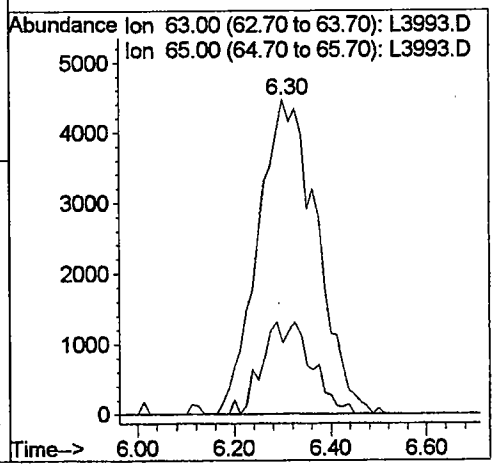




#13
C050 1,1-Dichloroethane
Concen: 20.92 ng
RT: 6.30 min Scan# 505
Delta R.T. 0.02 min
Lab File: L3993.D
Acq: 28 Jan 2004 15:51

Tgt Ion: 63 Resp: 37821

Ion	Ratio	Lower	Upper
63	100		
65	22.7	12.2	52.2



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

116/401

Client No.

DG-1

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063405

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3994.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

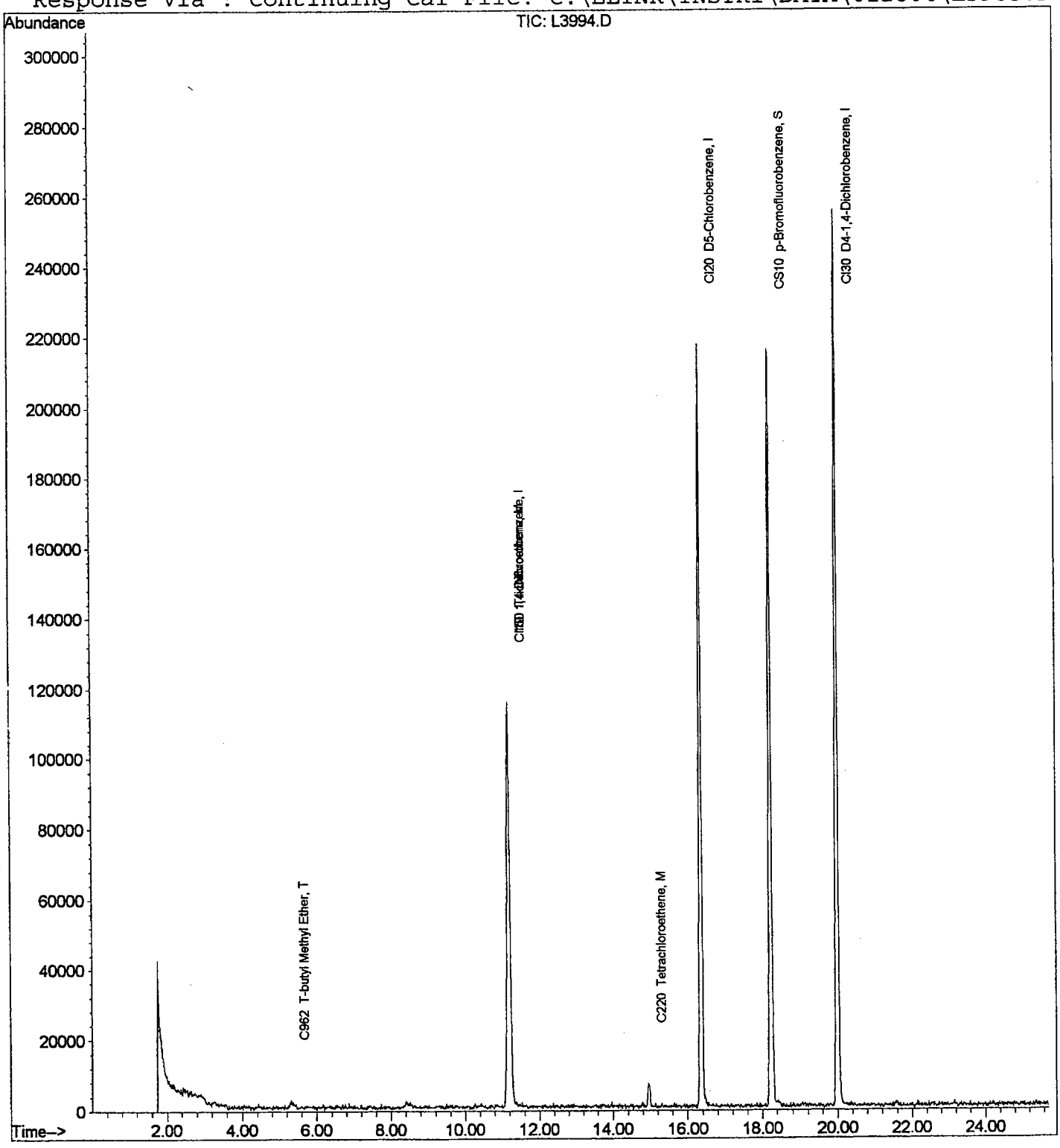
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3994.D
Acq On : 28 Jan 2004 16:24
Sample : A4063405 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:17 19104

Vial: 7
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3994.D Vial: 7
Acq On : 28 Jan 2004 16:24 Operator: PC
Sample : A4063405 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:17 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

			R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
Internal Standards								
1)	CI10	1,4-Difluorobenzene	11.18	114	329280	125.00	ng	0.04 88.40%
24)	CI20	D5-Chlorobenzene	16.35	117	302549	125.00	ng	0.03 84.38%
48)	CI30	D4-1,4-Dichlorobenze	19.99	152	179151	125.00	ng	0.03 76.58%
System Monitoring Compounds								
45)	CS10	p-Bromofluorobenzene	18.21	174	143906	122.60	ng	0.01
Spiked Amount 125.000 Range 80 - 120 Recovery = 98.08%								
Target Compounds								Qvalue
2)	C290	Dichlorodifluorometh	0.00	85		N.D.		
3)	C010	Chloromethane	0.00	50		N.D.		
4)	C015	Bromomethane	0.00	94		N.D.		
5)	C020	Vinyl Chloride	0.00	62		N.D.		
6)	C025	Chloroethane	0.00	64		N.D.		
7)	C275	Trichlorotrifluorome	0.00	101		N.D.		
8)	C030	Methylene Chloride	0.00	84		N.D.		
9)	C035	Acetone	0.00	43		N.D.		
10)	C040	Carbon Disulfide	0.00	76		N.D.		
11)	C045	1,1-Dichloroethene	0.00	96		N.D.		
12)	C962	T-butyl Methyl Ether	5.31	73	9084	5.41	ng	75
13)	C050	1,1-Dichloroethane	0.00	63		N.D.		
14)	C057	trans-1,2-dichloroet	0.00	96		N.D.		
15)	C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16)	C060	Chloroform	0.00	83		N.D.		
17)	C222	Bromochloromethane	0.00	128		N.D.		
18)	C065	1,2-Dichloroethane	0.00	62		N.D.		
19)	C110	2-Butanone	0.00	43		N.D.		
20)	C255	Methyl Acetate	0.00	43		N.D.		
21)	C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22)	C256	Cyclohexane	0.00	56		N.D.		
23)	C012	Methylcyclohexane	0.00	83		N.D.		
25)	C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26)	C120	Carbon Tetrachloride	0.00	117		N.D.		
27)	C150	~~Trichloroethene~~	~~11.18~~	~~95~~	~~5675~~	~~5.39~~	~~ng~~ #	~~8~~
28)	C130	Bromodichloromethane	0.00	83		N.D.		
29)	C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3994.D
Acq On : 28 Jan 2004 16:24
Sample : A4063405 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:17 19104

Vial: 7
Operator: PC
Inst : I50L
Multiplr: 1.00

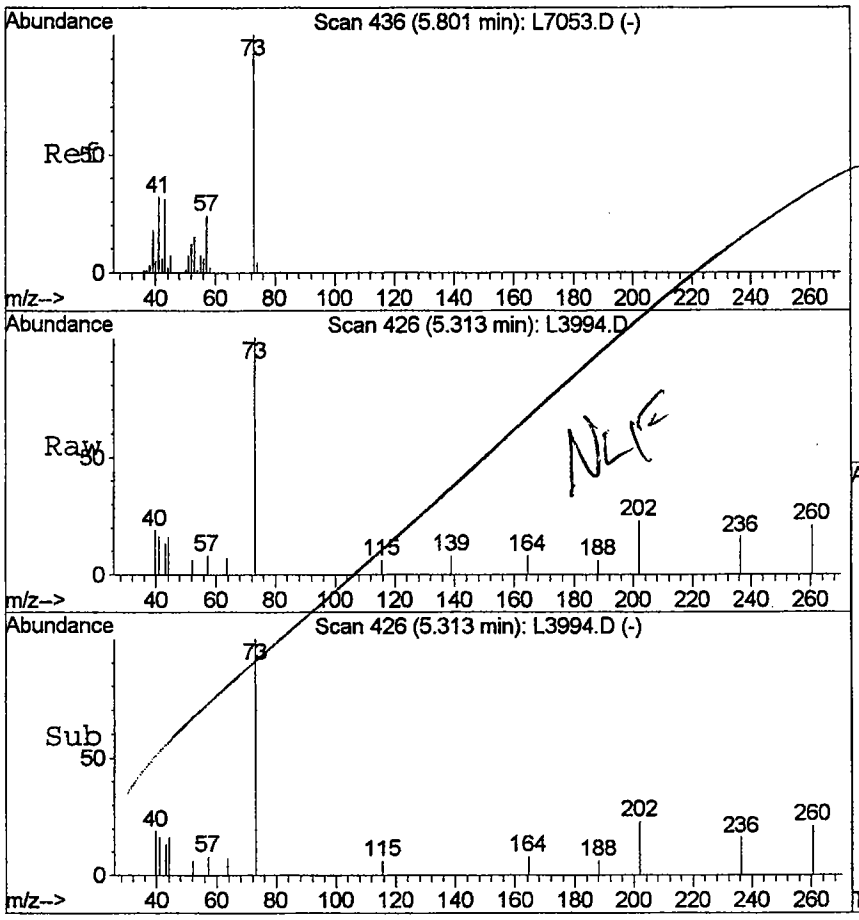
Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.			
31)	C165	Benzene	0.00	78		N.D.			
32)	C155	Dibromochloromethane	0.00	129		N.D.			
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.			
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.			
35)	C220	Tetrachloroethene	14.94	166	6584	5.33	ng	#	74
36)	C163	1,2-Dibromoethane	0.00	109		N.D.			
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.			
38)	C215	2-Hexanone	0.00	43		N.D.			
39)	C230	Toluene	0.00	91		N.D.			
40)	C235	Chlorobenzene	0.00	112		N.D.			
41)	C240	Ethylbenzene	0.00	91		N.D.			
42)	C246	m,p-Xylene	0.00	106		N.D.			
43)	C247	o-Xylene	0.00	106		N.D.			
44)	C245	Styrene	0.00	104		N.D.			
46)	C966	Isopropylbenzene	0.00	105		N.D.			
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.			
49)	C180	Bromoform	0.00	173		N.D.			
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.			
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.			
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.			
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.			
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.			

Below Reporting Limits

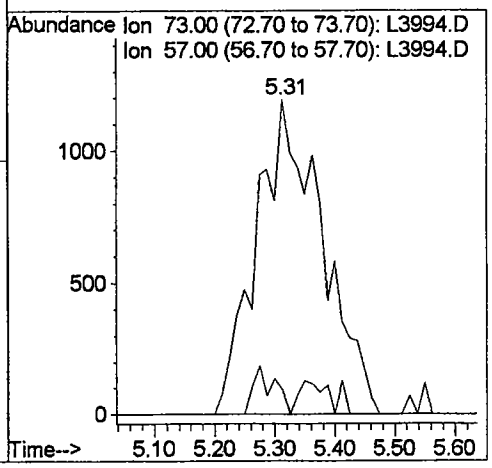
(#) = qualifier out of range (m) = manual integration

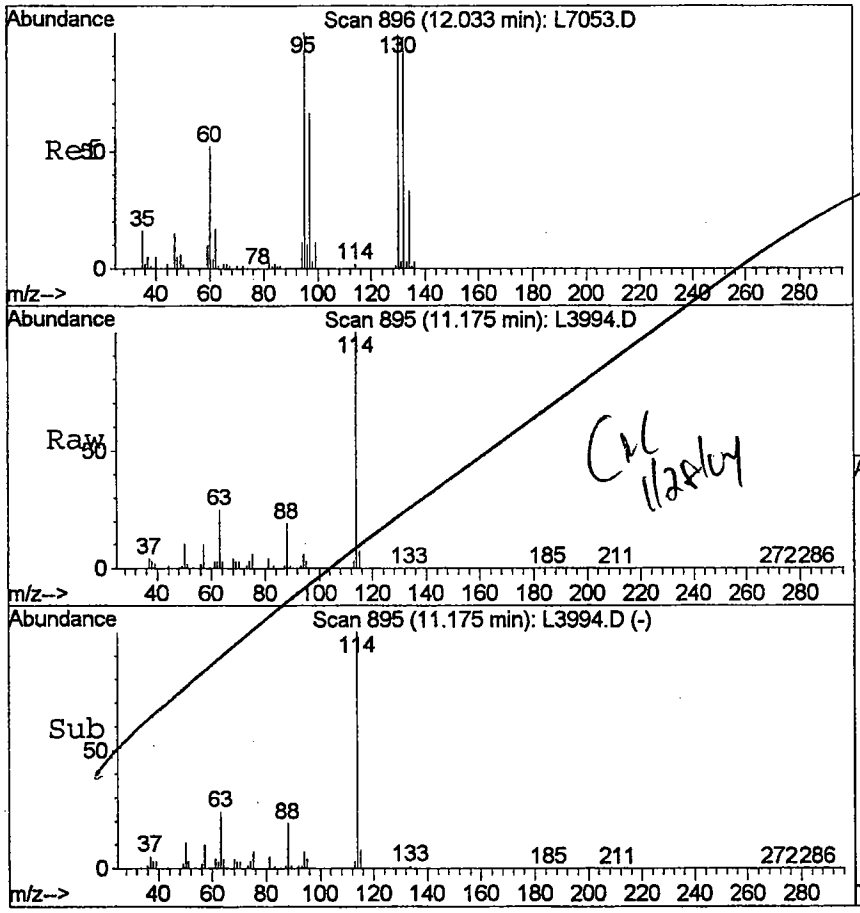


#12
C962 T-butyl Methyl Ether
Concen: 5.41 ng
RT: 5.31 min Scan# 426
Delta R.T. 0.04 min
Lab File: L3994.D
Acq: 28 Jan 2004 16:24

Tgt Ion: 73 Resp: 9084

Ion	Ratio	Lower	Upper
73	100		
57	7.8	0.0	39.0

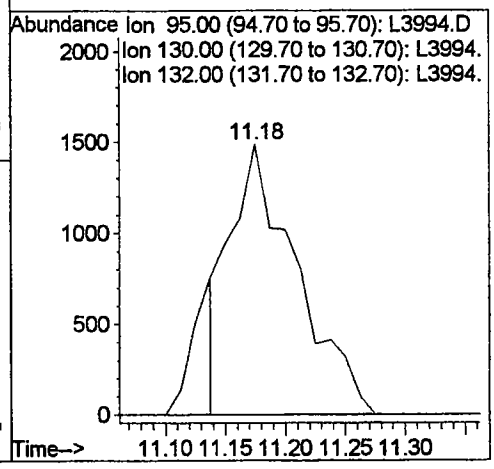


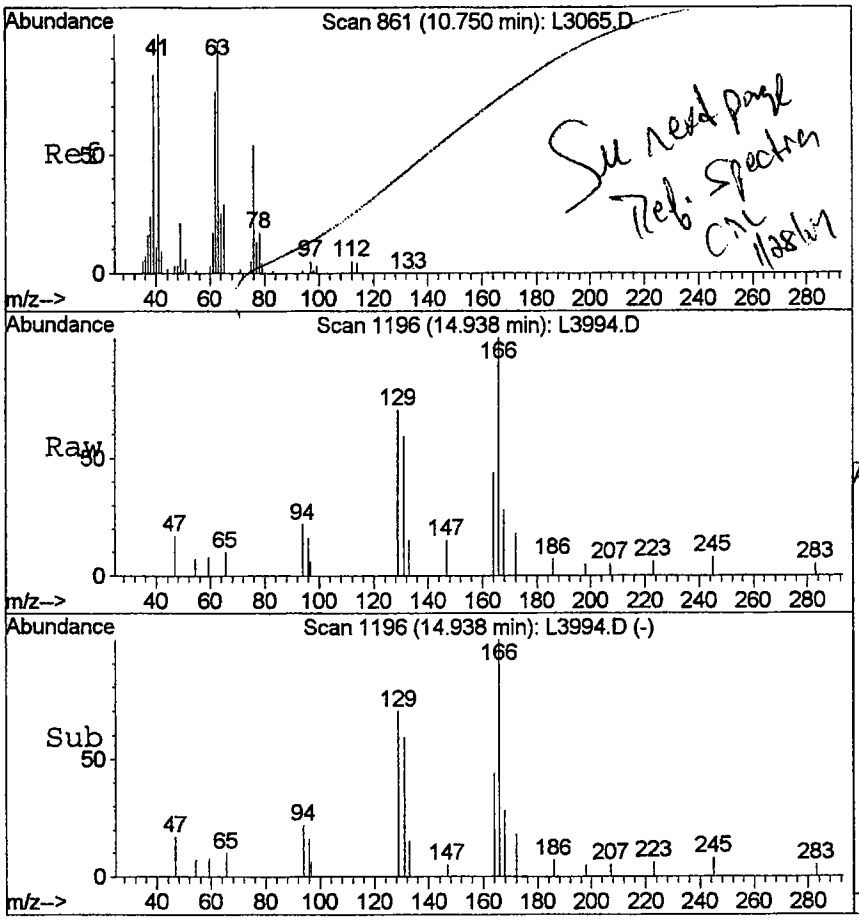


#27
C150 Trichloroethene
Concen: 5.39 ng
RT: 11.18 min Scan# 895
Delta R.T. -0.44 min
Lab File: L3994.D
Acq: 28 Jan 2004 16:24

Tgt Ion: 95 Resp: 5675

Ion	Ratio	Lower	Upper
95	100		
130	0.0	68.6	103.0#
132	0.0	64.8	97.2#

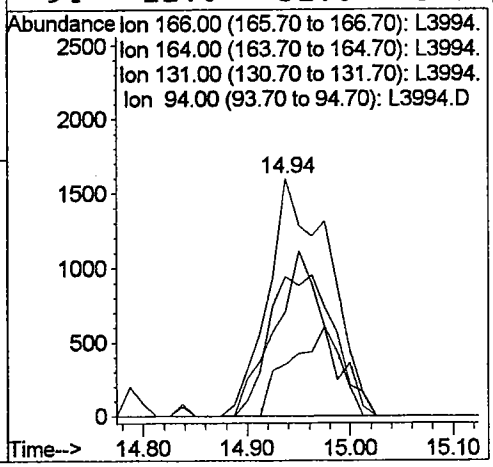




#35
C220 Tetrachloroethene
Concen: 5.33 ng
RT: 14.94 min Scan# 1196
Delta R.T. 0.01 min
Lab File: L3994.D
Acq: 28 Jan 2004 16:24

Tgt Ion:166 Resp: 6584

Ion	Ratio	Lower	Upper
166	100		
164	44.3	60.6	91.0#
131	58.9	55.2	82.8
94	22.0	31.6	47.4#



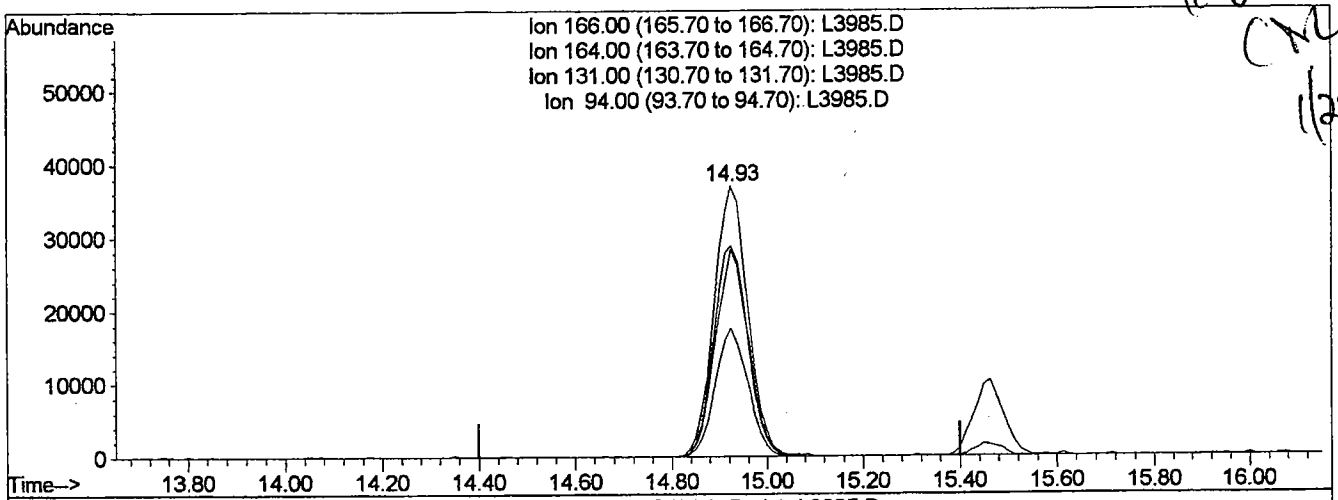
Quantitation Report

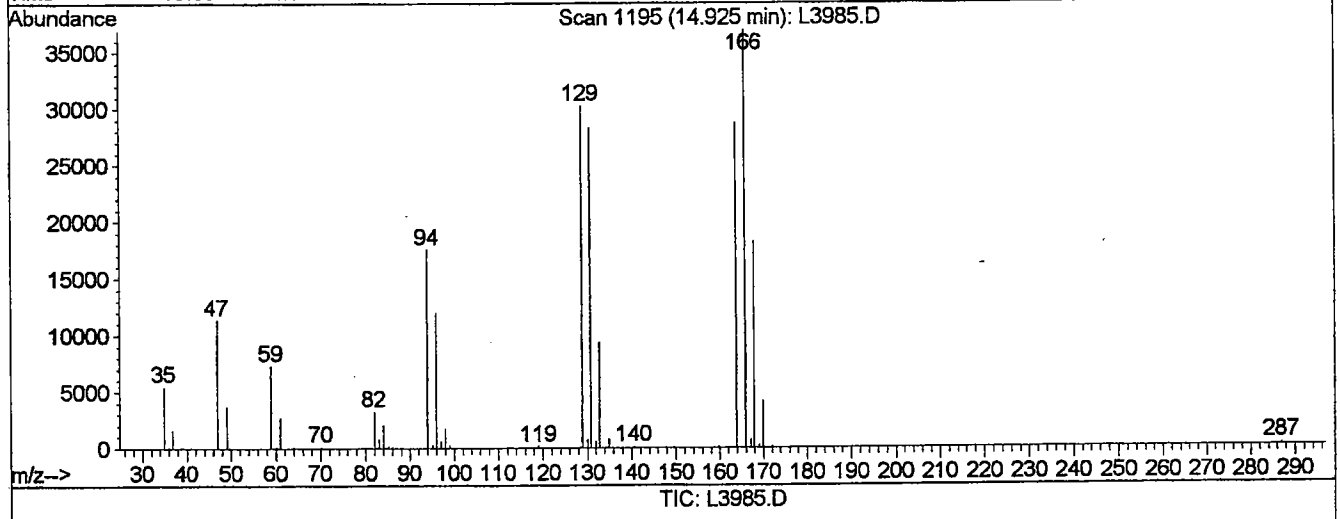
Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D
Acq On : 28 Jan 2004 10:51
Sample : VSTD005
Misc :
Quant Time: Jan 28 12:32 19104

Vial: 3
Operator: PC
Inst : I50L
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single Level Calibration

Reb Spect
CM
1/28/04





TIC: L3985.D

(35) C220 Tetrachloroethene (M)

14.93min 125.00ng

response 182941

Ion	Exp%	Act%
166.00	100	100
164.00	75.80	77.87
131.00	69.00	76.74
94.00	39.50	47.51#

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

123/401

Client No.

DUP-1

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063406

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4016.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

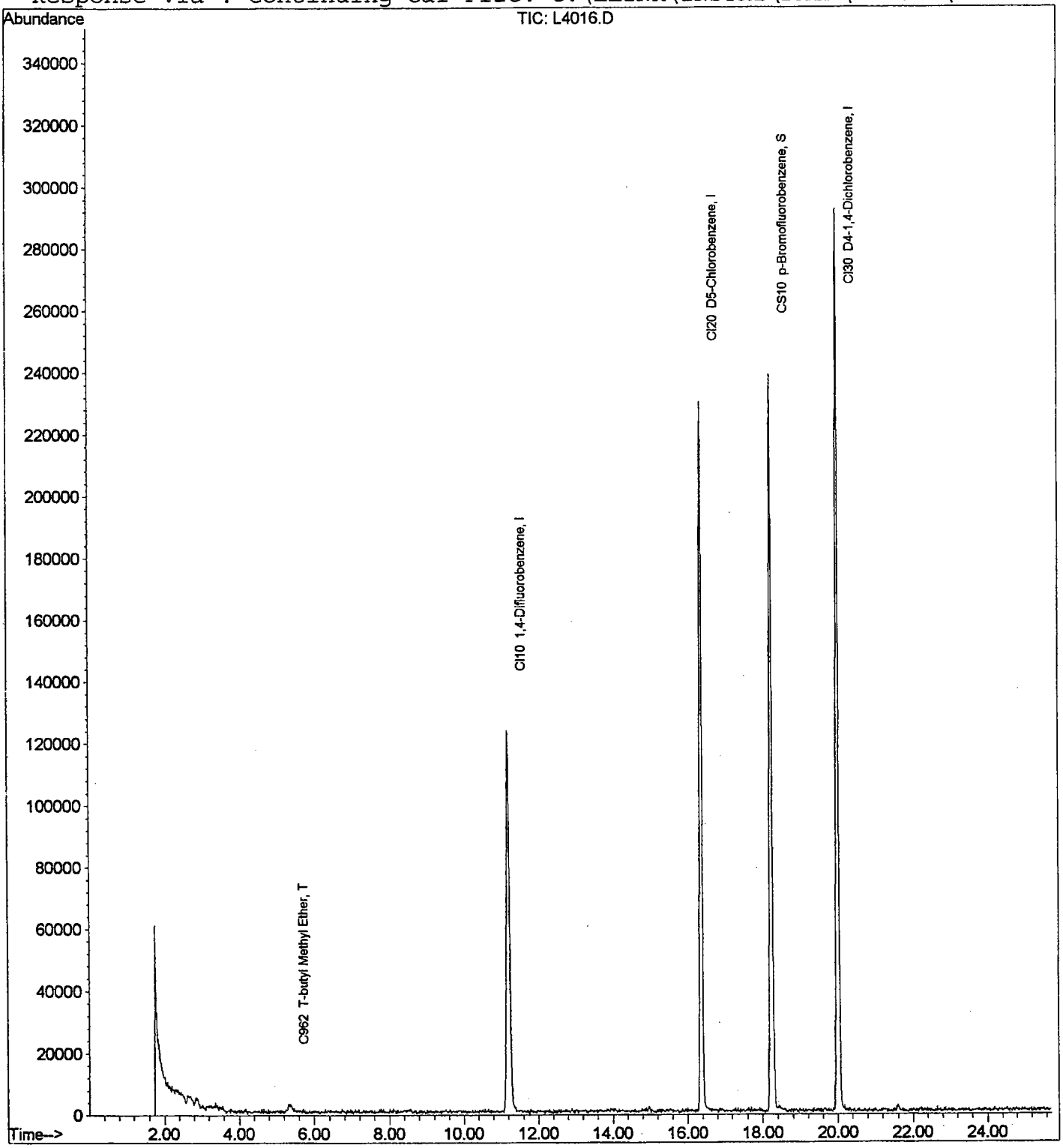
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Data File : C:\ELINK\INSTR1\DATA\012804\L4016.D
Acq On : 29 Jan 2004 00:06
Sample : A4063406 B
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104

Vial: 6
Operator: CDC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4016.D Vial: 6
Acq On : 29 Jan 2004 00:06 Operator: CDC
Sample : A4063406 B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

NO TICS M SK 1/29/04

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.19	114	349501	125.00 ng	0.01 96.67%
24) CI20	D5-Chlorobenzene	16.36	117	334831	125.00 ng	-0.01 93.29%
48) CI30	D4-1,4-Dichlorobenze	20.00	152	197005	125.00 ng	-0.02 79.58%
System Monitoring Compounds						
45) CS10	p-Bromofluorobenzene	18.23	174	158119	122.23 ng	-0.02
Spiked Amount 125.000	Range 80 - 120			Recovery = 97.78%		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.	
3) C010	Chloromethane	0.00	50		N.D.	
4) C015	Bromomethane	0.00	94		N.D.	
5) C020	Vinyl Chloride	0.00	62		N.D.	
6) C025	Chloroethane	0.00	64		N.D.	
7) C275	Trichlorotrifluorome	0.00	101		N.D.	
8) C030	Methylene Chloride	0.00	84		N.D.	
9) C035	Acetone	0.00	43		N.D.	
10) C040	Carbon Disulfide	0.00	76		N.D.	
11) C045	1,1-Dichloroethene	0.00	96		N.D.	
12) C962	T-butyl Methyl Ether	5.36	73	12668	6.87 ng	75 M6
13) C050	1,1-Dichloroethane	0.00	63		N.D.	
14) C057	trans-1,2-dichloroet	0.00	96		N.D.	
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.	
16) C060	Chloroform	0.00	83		N.D.	
17) C222	Bromochloromethane	0.00	128		N.D.	
18) C065	1,2-Dichloroethane	0.00	62		N.D.	
19) C110	2-Butanone	0.00	43		N.D.	
20) C255	Methyl Acetate	0.00	43		N.D.	
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.	
22) C256	Cyclohexane	0.00	56		N.D.	
23) C012	Methylcyclohexane	0.00	83		N.D.	
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.	
26) C120	Carbon Tetrachloride	0.00	117		N.D.	
27) C150	Trichloroethene	0.00	95		N.D.	
28) C130	Bromodichloromethane	0.00	83		N.D.	
29) C140	1,2-Dichloropropane	0.00	63		N.D.	

2/2/2004

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4016.D
Acq On : 29 Jan 2004 00:06
Sample : A4063406 B
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104

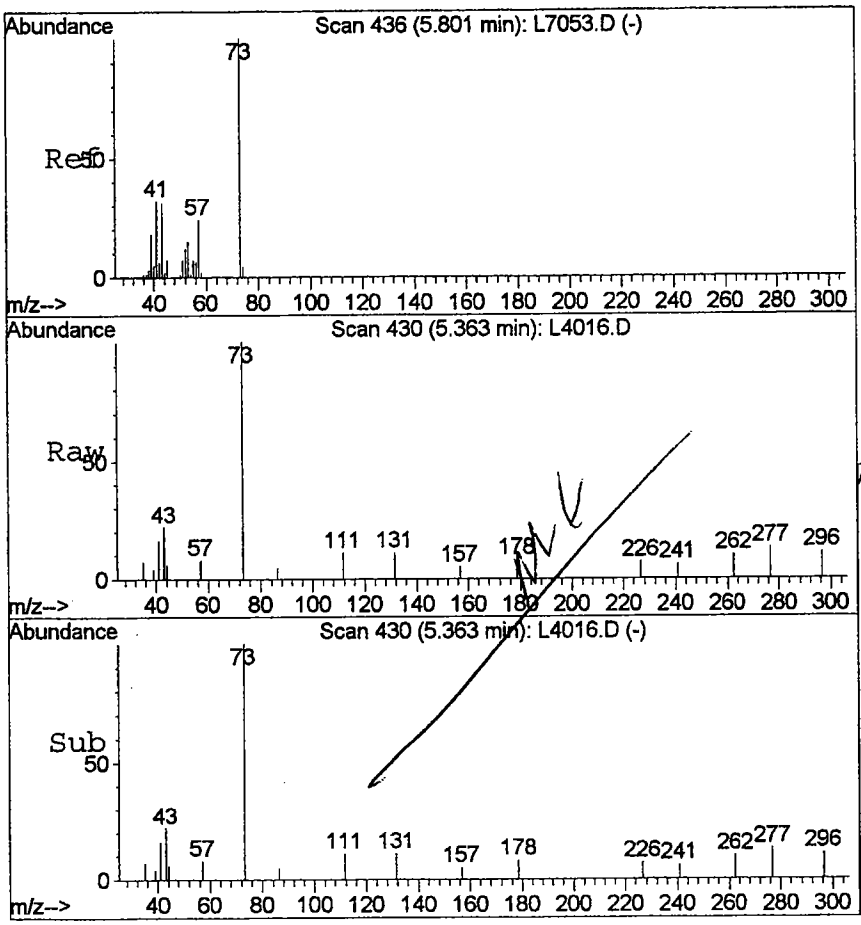
Vial: 6
Operator: CDC
Inst : I50L
Multiplr: 1.00
Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/12/2004

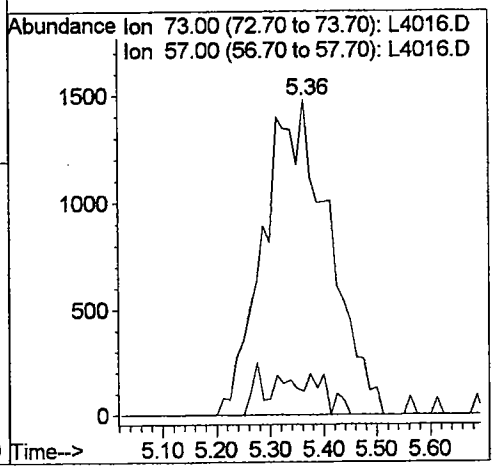
(#) = qualifier out of range (m) = manual integration



#12
C962 T-butyl Methyl Ether
Concen: 6.87 ng
RT: 5.36 min Scan# 430
Delta R.T. 0.06 min
Lab File: L4016.D
Acq: 29 Jan 2004 00:06

Tgt Ion: 73 Resp: 12668

Ion	Ratio	Lower	Upper
73	100		
57	7.6	0.0	39.0



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

128/401

Client No.

Field Blank

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063407

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3997.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

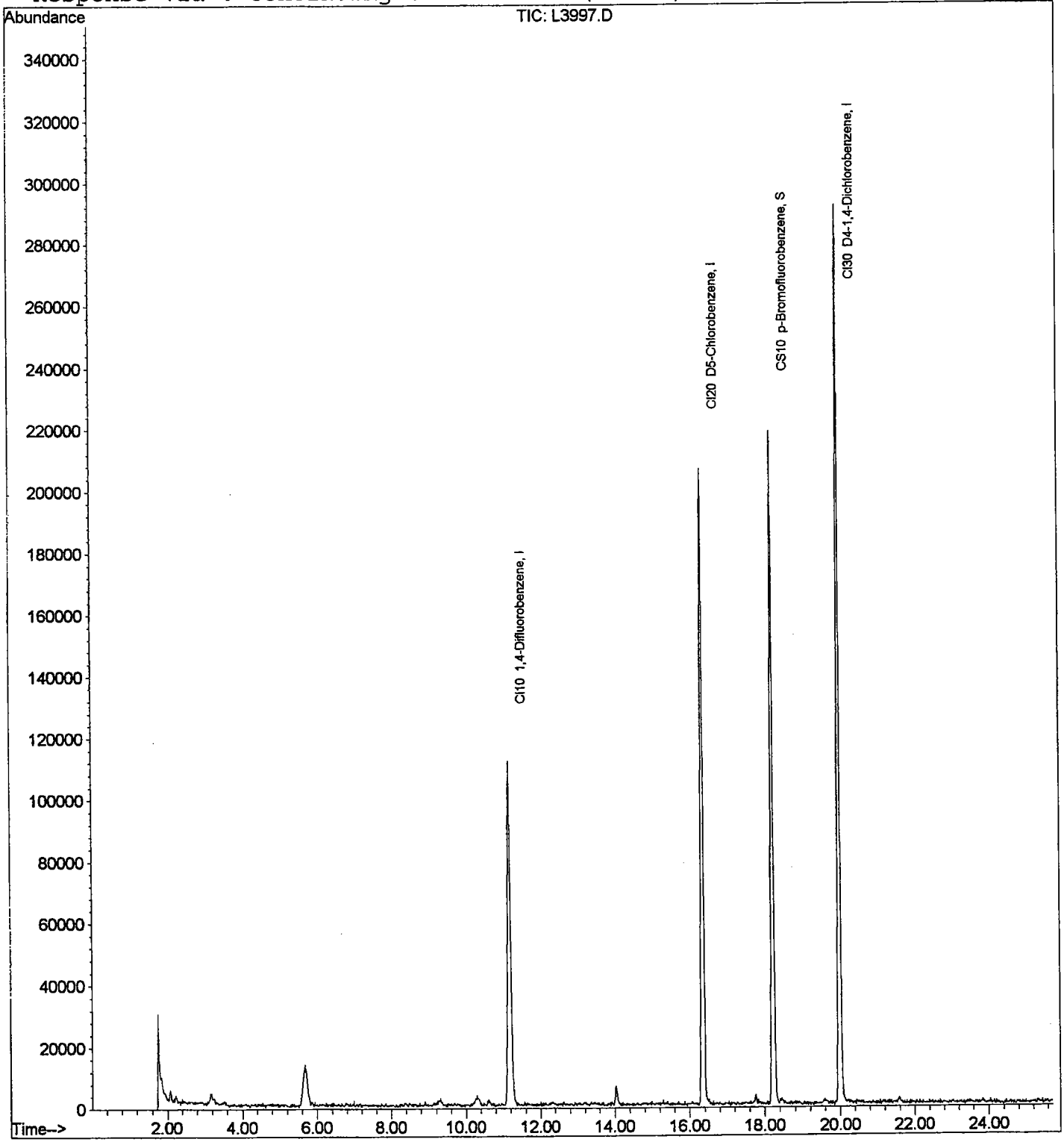
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Data File : C:\ELINK\INSTR1\DATA\012804\L3997.D
Acq On : 28 Jan 2004 18:02
Sample : A4063407 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:18 19104

Vial: 10
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3997.D Vial: 10
Acq On : 28 Jan 2004 18:02 Operator: PC
Sample : A4063407 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:18 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.16	114	311517	125.00	ng	0.03 83.63%
24) CI20	D5-Chlorobenzene	16.35	117	290657	125.00	ng	0.03 81.06%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	188271	125.00	ng	0.03 80.48%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.21	174	139380	123.60	ng	0.01
Spiked Amount 125.000	Range 80 - 120			Recovery = 98.88%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3997.D
Acq On : 28 Jan 2004 18:02
Sample : A4063407 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:18 19104

Vial: 10
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

3/2/04

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

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

132/401

Client No.

ME-14

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063408

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3998.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.5	J
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

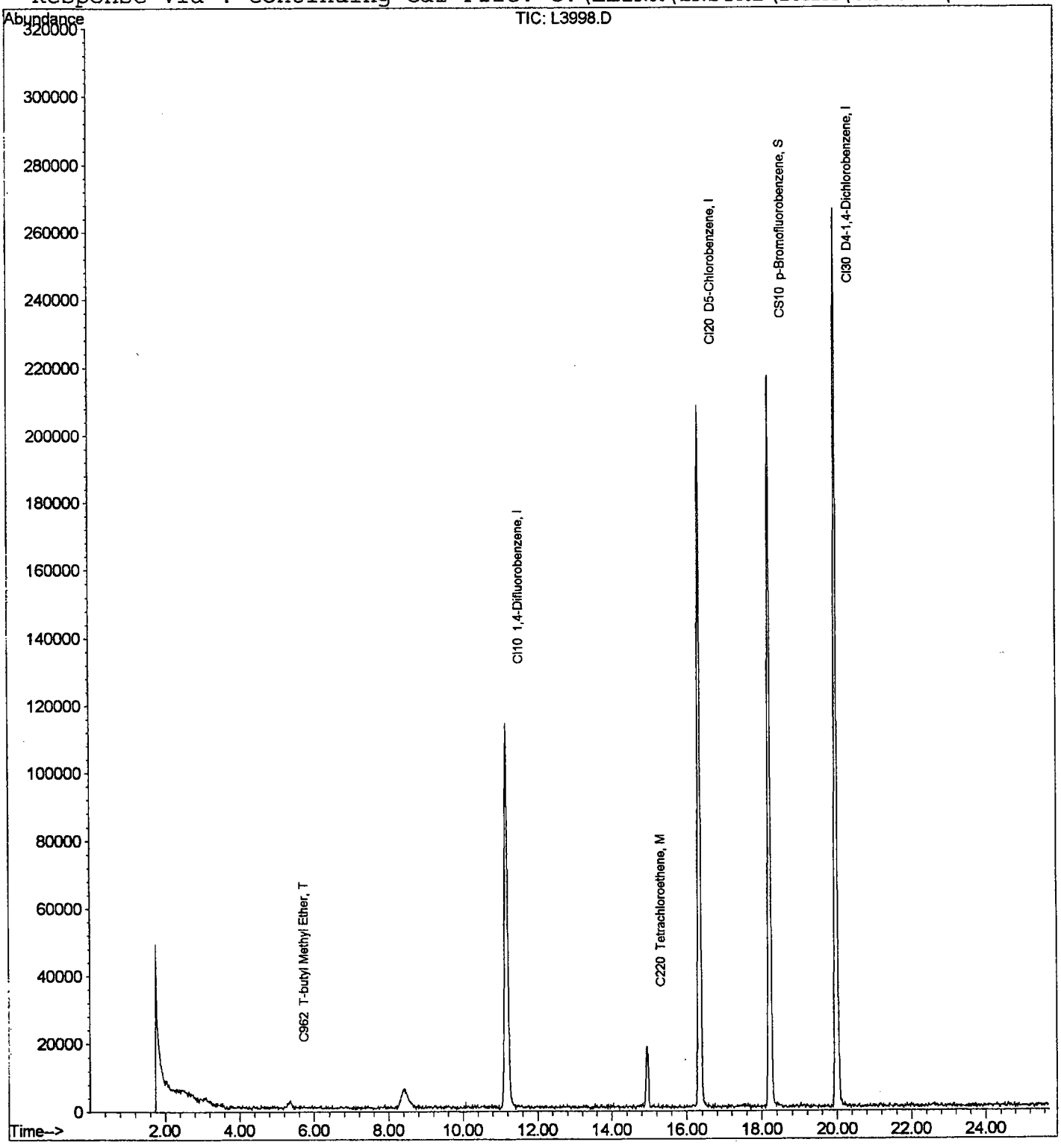
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3998.D
Acq On : 28 Jan 2004 18:34
Sample : A4063408 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:18 19104

Vial: 11
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3998.D Vial: 11
Acq On : 28 Jan 2004 18:34 Operator: PC
Sample : A4063408 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:18 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

NO TIC! S-E Holdup

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.16	114	316778	125.00	ng	0.03 85.04%
24) CI20	D5-Chlorobenzene	16.34	117	294072	125.00	ng	0.01 82.01%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	182672	125.00	ng	0.03 78.08%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.20	174	142499	124.90	ng	0.00
Spiked Amount 125.000	Range 80 - 120			Recovery = 99.92%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	~~T-butyl Methyl Ether~~	~~5.36~~	~~73~~	~~9563~~	~~5.92~~	~~ng~~	~~72~~
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

2/2/04

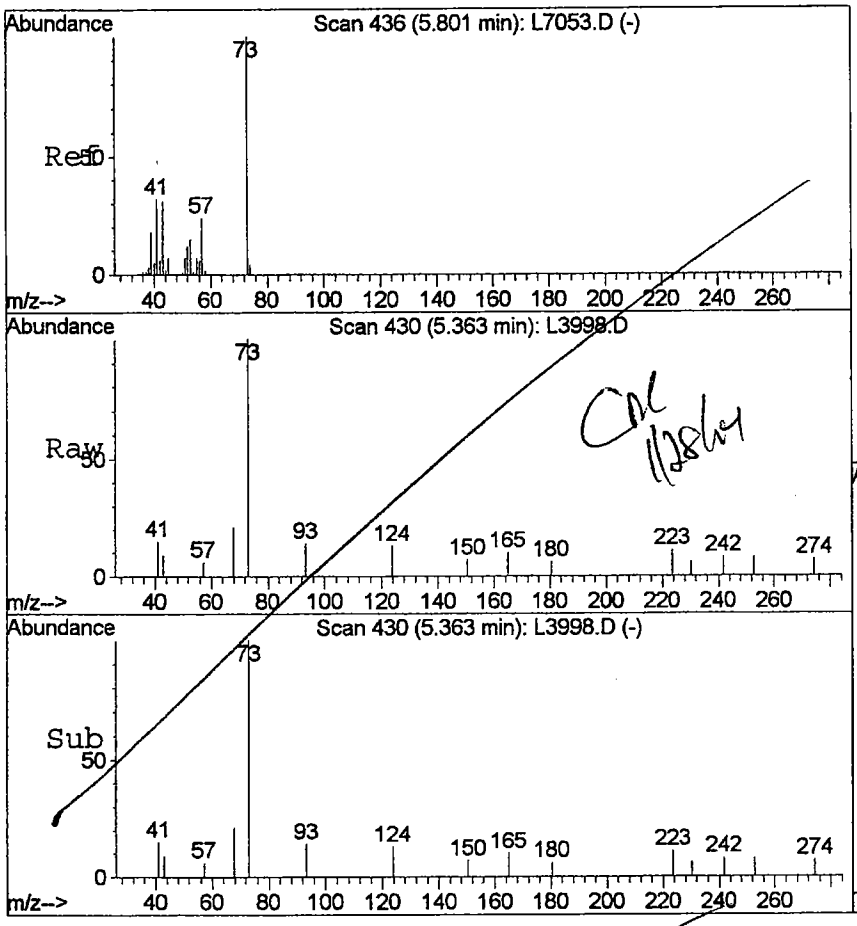
(#) = qualifier out of range (m) = manual integration

Data File : C:\ELINK\INSTR1\DATA\012804\L3998.D Vial: 11
Acq On : 28 Jan 2004 18:34 Operator: PC
Sample : A4063408 A Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:18 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.		
31)	C165	Benzene	0.00	78		N.D.		
32)	C155	Dibromochloromethane	0.00	129		N.D.		
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.		
34)	~~C160~~	1,1,2-Trichloroethan	0.00	83		N.D.		
35)	C220	Tetrachloroethene	14.95	166	15624	13.02	ng	90
36)	C163	1,2-Dibromoethane	0.00	109		N.D.		
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.		
38)	C215	2-Hexanone	0.00	43		N.D.		
39)	C230	Toluene	0.00	91		N.D.		
40)	C235	Chlorobenzene	0.00	112		N.D.		
41)	C240	Ethylbenzene	0.00	91		N.D.		
42)	C246	m,p-Xylene	0.00	106		N.D.		
43)	C247	o-Xylene	0.00	106		N.D.		
44)	C245	Styrene	0.00	104		N.D.		
46)	C966	Isopropylbenzene	0.00	105		N.D.		
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.		
49)	C180	Bromoform	0.00	173		N.D.		
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.		
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.		
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.		
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.		
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.		

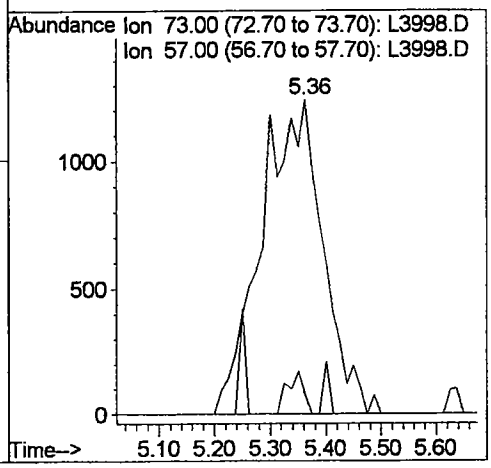
(#) = qualifier out of range (m) = manual integration

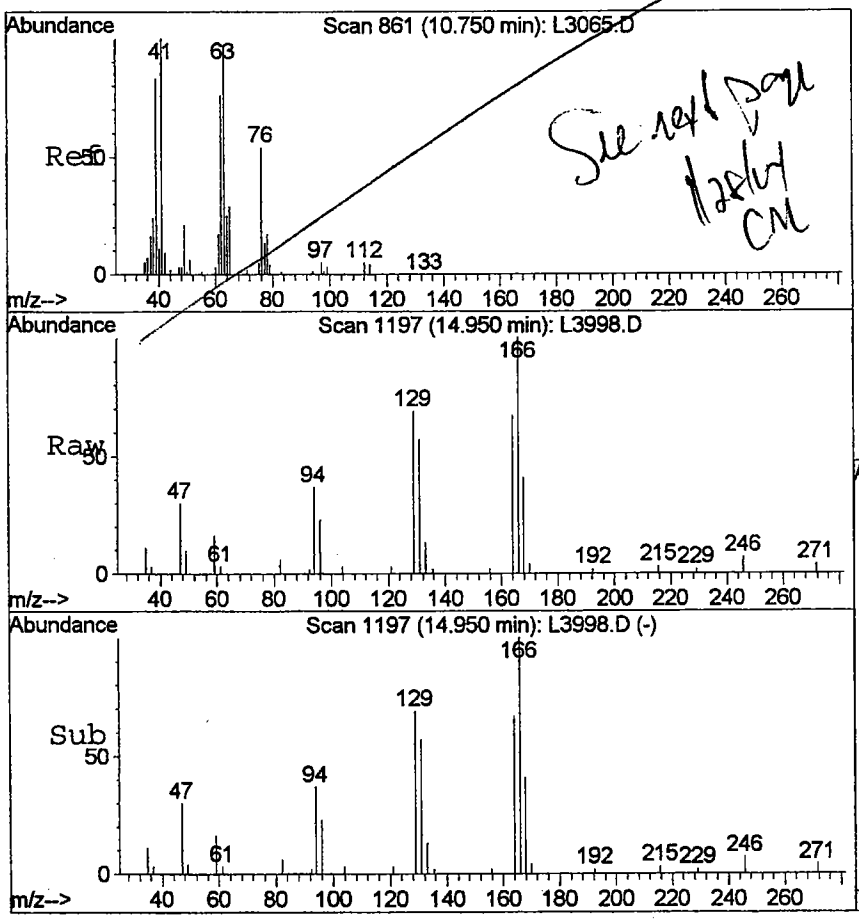


#12
C962 T-butyl Methyl Ether
Concen: 5.92 ng
RT: 5.36 min Scan# 430
Delta R.T. 0.09 min
Lab File: L3998.D
Acq: 28 Jan 2004 18:34

Tgt Ion: 73 Resp: 9563

Ion	Ratio	Lower	Upper
73	100		
57	6.3	0.0	39.0

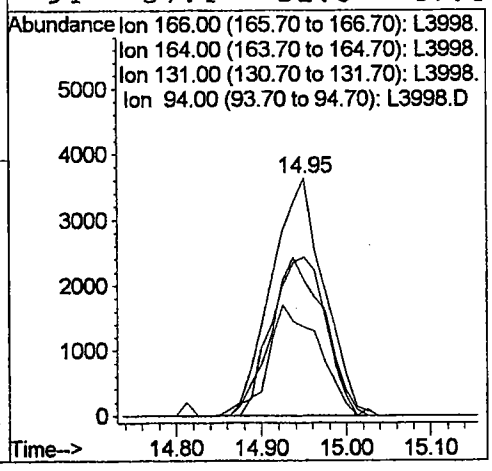




#35
C220 Tetrachloroethene
Concen: 13.02 ng
RT: 14.95 min Scan# 1197
Delta R.T. 0.02 min
Lab File: L3998.D
Acq: 28 Jan 2004 18:34

Tgt Ion:166 Resp: 15624

Ion	Ratio	Lower	Upper
166	100		
164	67.1	60.6	91.0
131	57.4	55.2	82.8
94	37.4	31.6	47.4



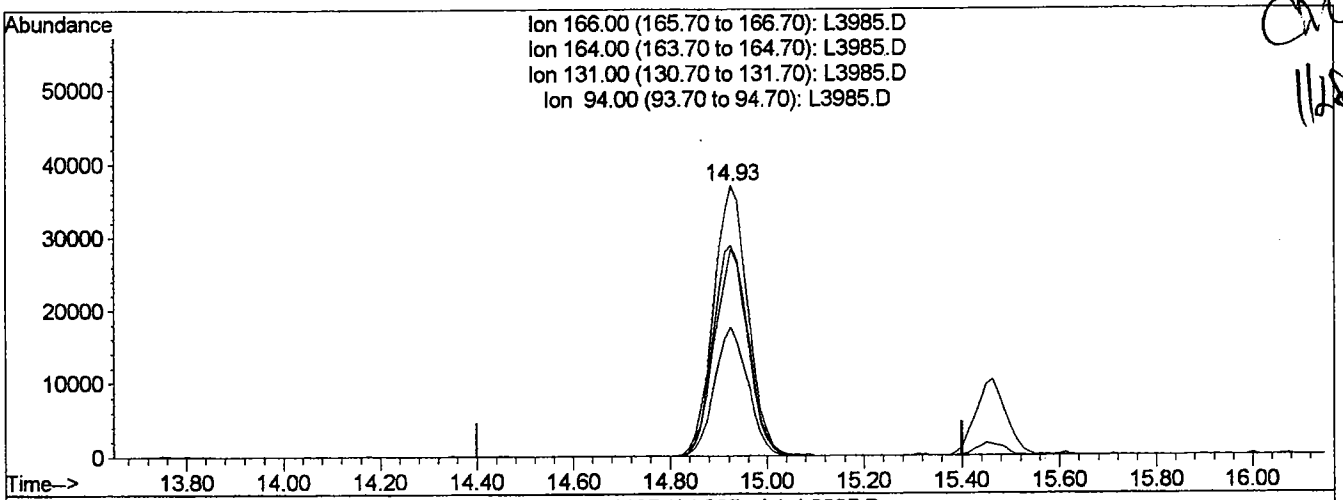
Quantitation Report

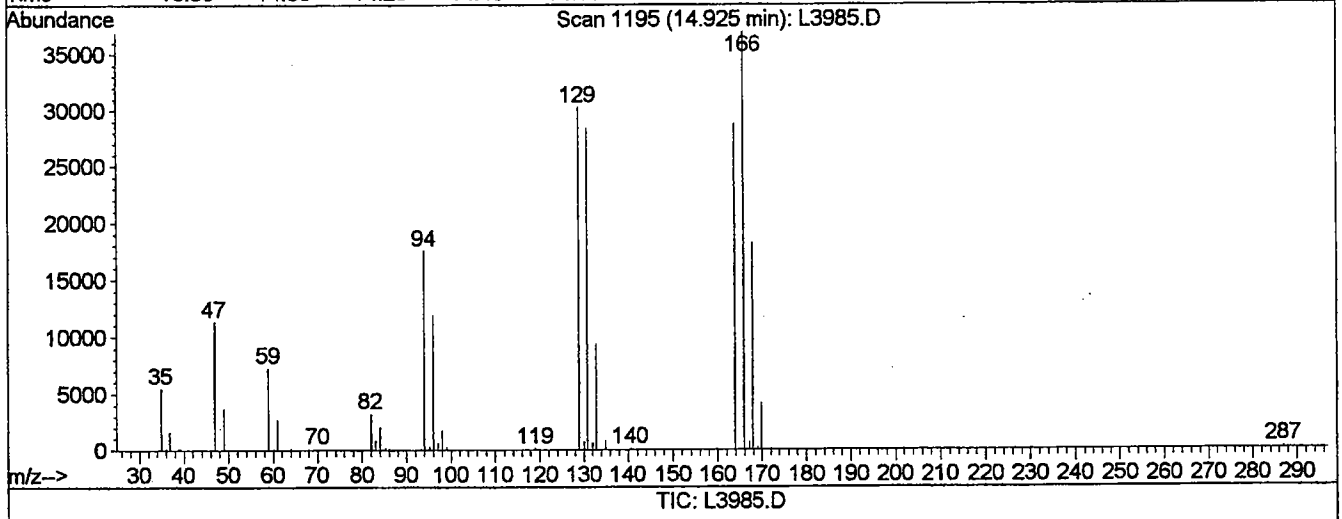
Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D
Acq On : 28 Jan 2004 10:51
Sample : VSTD005
Misc :
Quant Time: Jan 28 12:32 19104

Vial: 3
Operator: PC
Inst : I50L
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single Level Calibration

Ref Spect
CH
11/28/04





TIC: L3985.D

(35) C220 Tetrachloroethene (M)

14.93min 125.00ng

response 182941

Ion	Exp%	Act%
166.00	100	100
164.00	75.80	77.87
131.00	69.00	76.74
94.00	39.50	47.51#

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

138/401

Client No.

ME-18

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063409

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3999.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

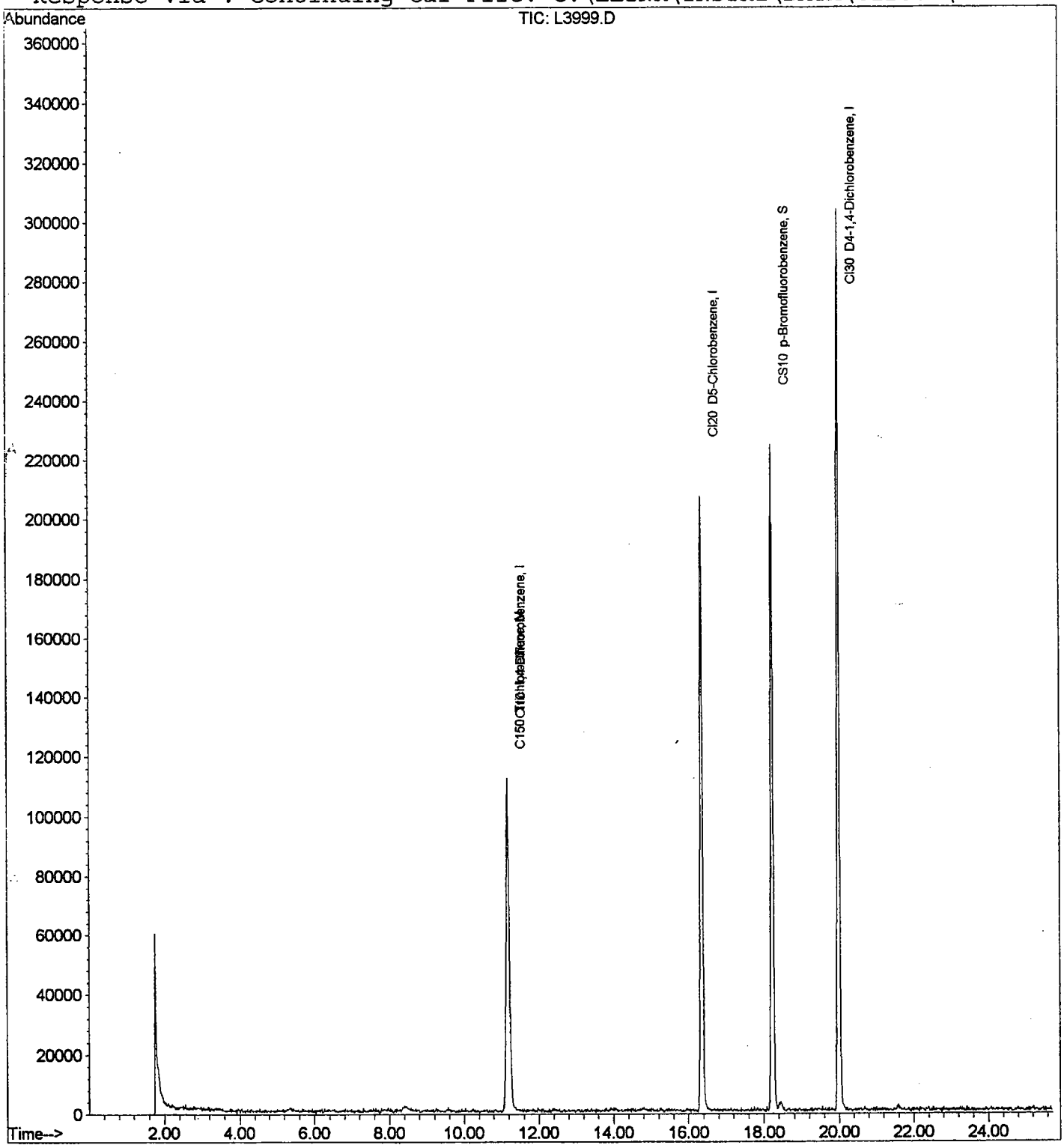
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3999.D
Acq On : 28 Jan 2004 19:07
Sample : A4063409 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:19 19104

Vial: 12
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

140/401

Data File : C:\ELINK\INSTR1\DATA\012804\L3999.D
Acq On : 28 Jan 2004 19:07
Sample : A4063409 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:19 19104

Vial: 12
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.18	114	308922	125.00	ng	0.04 82.93%
24) CI20	D5-Chlorobenzene	16.35	117	296977	125.00	ng	0.03 82.82%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	185395	125.00	ng	0.03 79.25%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.21	174	143726	124.74	ng	0.01
Spiked Amount 125.000	Range 80 - 120			Recovery = 99.79%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	11.16	95	5635	5.46	ng	# 8
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3999.D
Acq On : 28 Jan 2004 19:07
Sample : A4063409 A
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 20:19 19104

Vial: 12
Operator: PC
Inst : I50L
Multiplr: 1.00

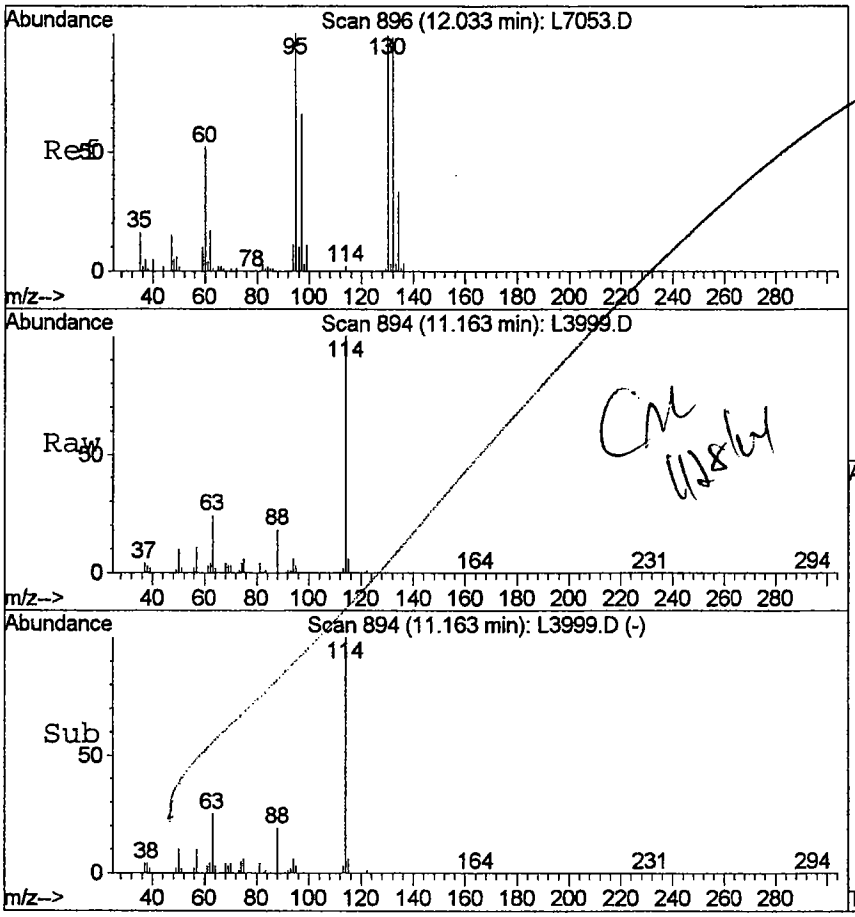
Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/9/2004

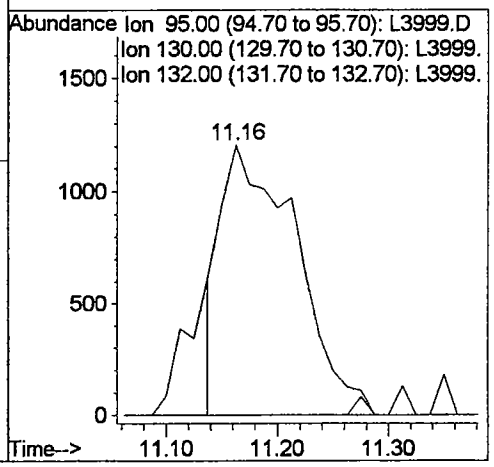
(#) = qualifier out of range (m) = manual integration



#27
C150 Trichloroethene
Concen: 5.46 ng
RT: 11.16 min Scan# 894
Delta R.T. -0.45 min
Lab File: L3999.D
Acq: 28 Jan 2004 19:07

Tgt Ion: 95 Resp: 5635

Ion	Ratio	Lower	Upper
95	100		
130	0.0	68.6	103.0#
132	0.0	64.8	97.2#



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

143/401

Client No.

ME-19

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063410

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4018.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

' Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

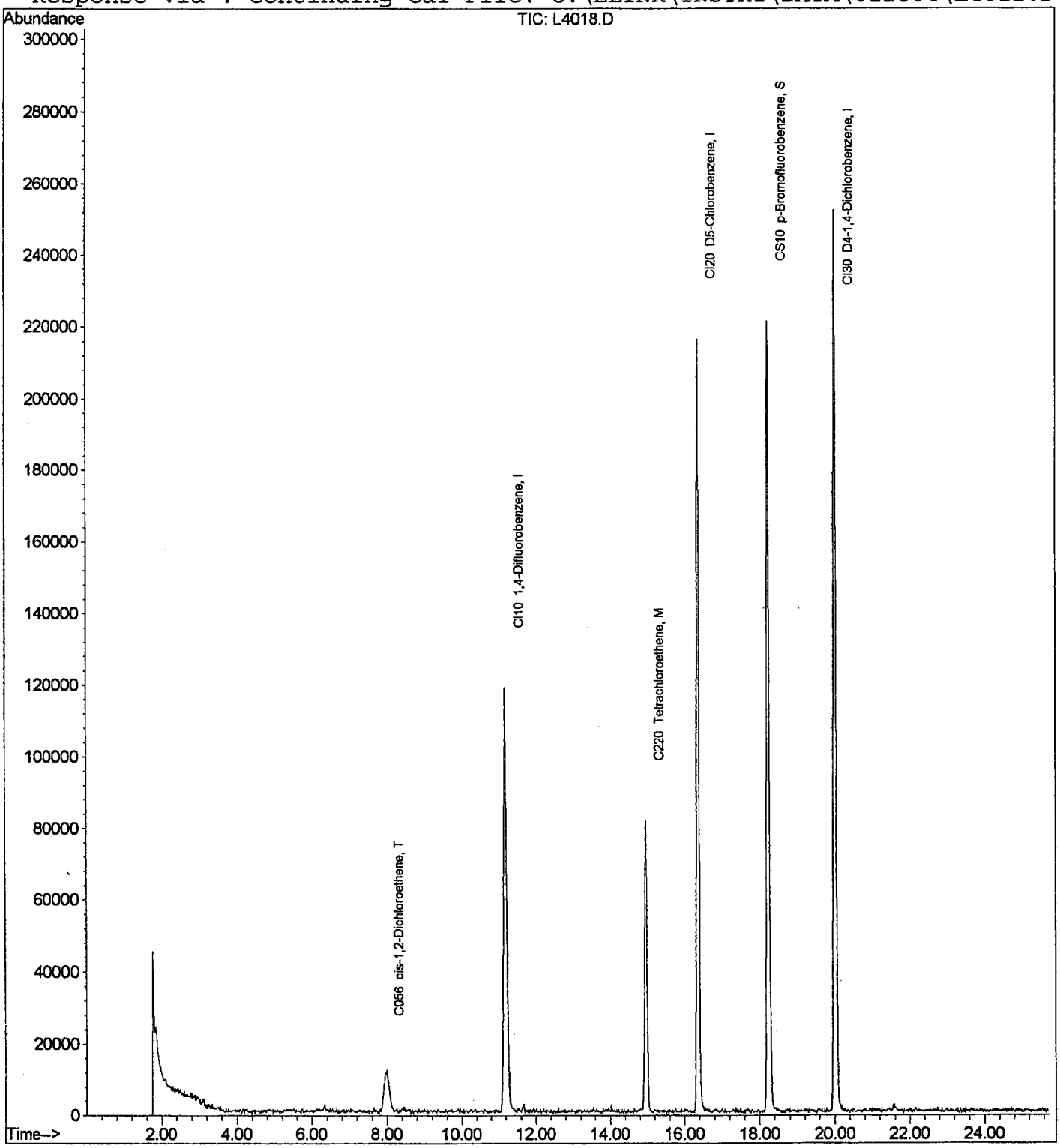
oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	2	
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	1	J
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4018.D Vial: 8
Acq On : 29 Jan 2004 01:11 Operator: CDC
Sample : A4063410 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:27 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4018.D Vial: 8
Acq On : 29 Jan 2004 01:11 Operator: CDC
Sample : A4063410 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:27 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

NOTE 1/29/04

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.19	114	325104	125.00 ng	0.01 89.92%
24) CI20	D5-Chlorobenzene	16.36	117	314638	125.00 ng	-0.01 87.66%
48) CI30	D4-1,4-Dichlorobenze	20.00	152	180817	125.00 ng	-0.02 73.04%
System Monitoring Compounds						
45) CS10	p-Bromofluorobenzene	18.23	174	149465	122.95 ng	-0.02
Spiked Amount 125.000	Range 80 - 120			Recovery = 98.36%		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.	
3) C010	Chloromethane	0.00	50		N.D.	
4) C015	Bromomethane	0.00	94		N.D.	
5) C020	Vinyl Chloride	0.00	62		N.D.	
6) C025	Chloroethane	0.00	64		N.D.	
7) C275	Trichlorotrifluorome	0.00	101		N.D.	
8) C030	Methylene Chloride	0.00	84		N.D.	
9) C035	Acetone	0.00	43		N.D.	
10) C040	Carbon Disulfide	0.00	76		N.D.	
11) C045	1,1-Dichloroethene	0.00	96		N.D.	
12) C962	T-butyl Methyl Ether	0.00	73		N.D.	
13) C050	1,1-Dichloroethane	0.00	63		N.D.	
14) C057	trans-1,2-dichloroet	0.00	96		N.D.	
15) C056	cis-1,2-Dichloroethe	7.95	96	25159	26.56 ng	# 81
16) C060	Chloroform	0.00	83		N.D.	
17) C222	Bromochloromethane	0.00	128		N.D.	
18) C065	1,2-Dichloroethane	0.00	62		N.D.	
19) C110	2-Butanone	0.00	43		N.D.	
20) C255	Methyl Acetate	0.00	43		N.D.	
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.	
22) C256	Cyclohexane	0.00	56		N.D.	
23) C012	Methylcyclohexane	0.00	83		N.D.	
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.	
26) C120	Carbon Tetrachloride	0.00	117		N.D.	
27) C150	Trichloroethene	0.00	95		N.D.	
28) C130	Bromodichloromethane	0.00	83		N.D.	
29) C140	1,2-Dichloropropane	0.00	63		N.D.	

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4018.D
Acq On : 29 Jan 2004 01:11
Sample : A4063410
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:27 19104

Vial: 8
Operator: CDC
Inst : I50L
Multiplr: 1.00

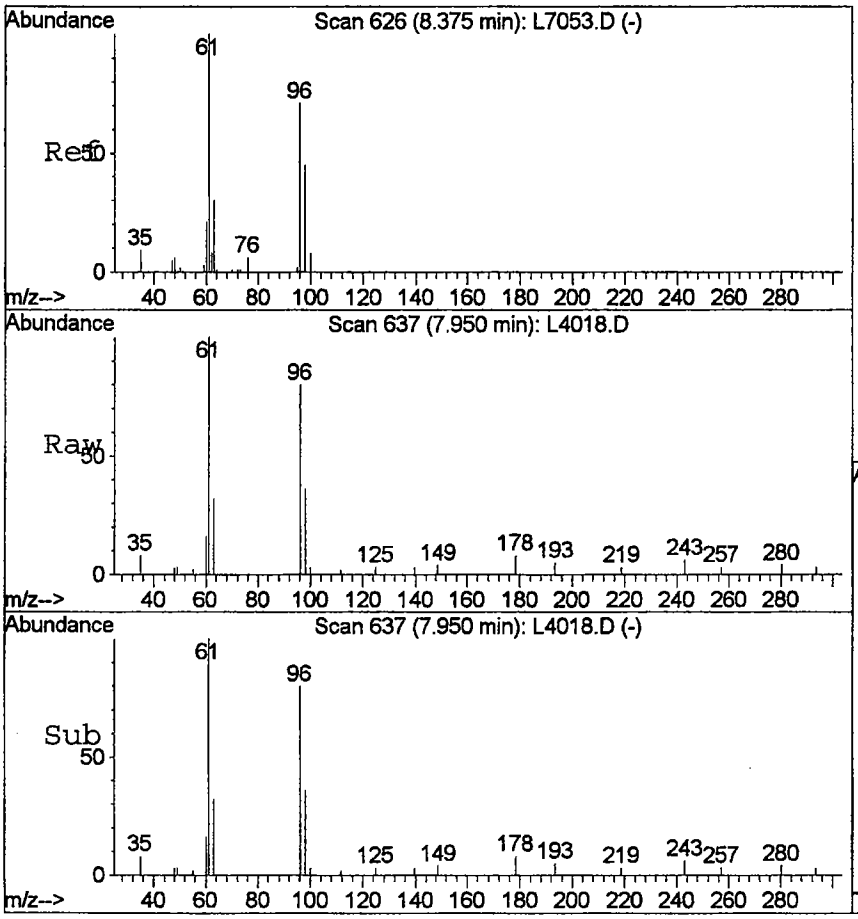
Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	14.96	166	65257	45.30 ng	96
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/12/2004

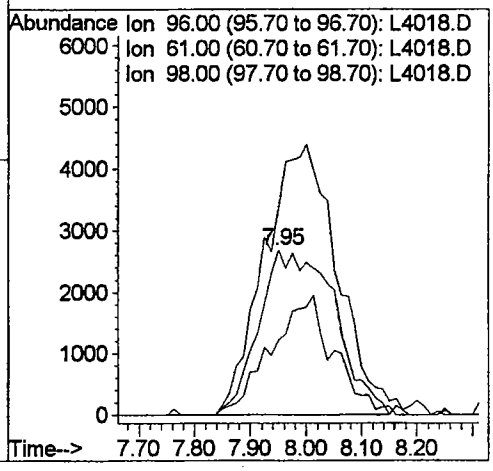
(#) = qualifier out of range (m) = manual integration

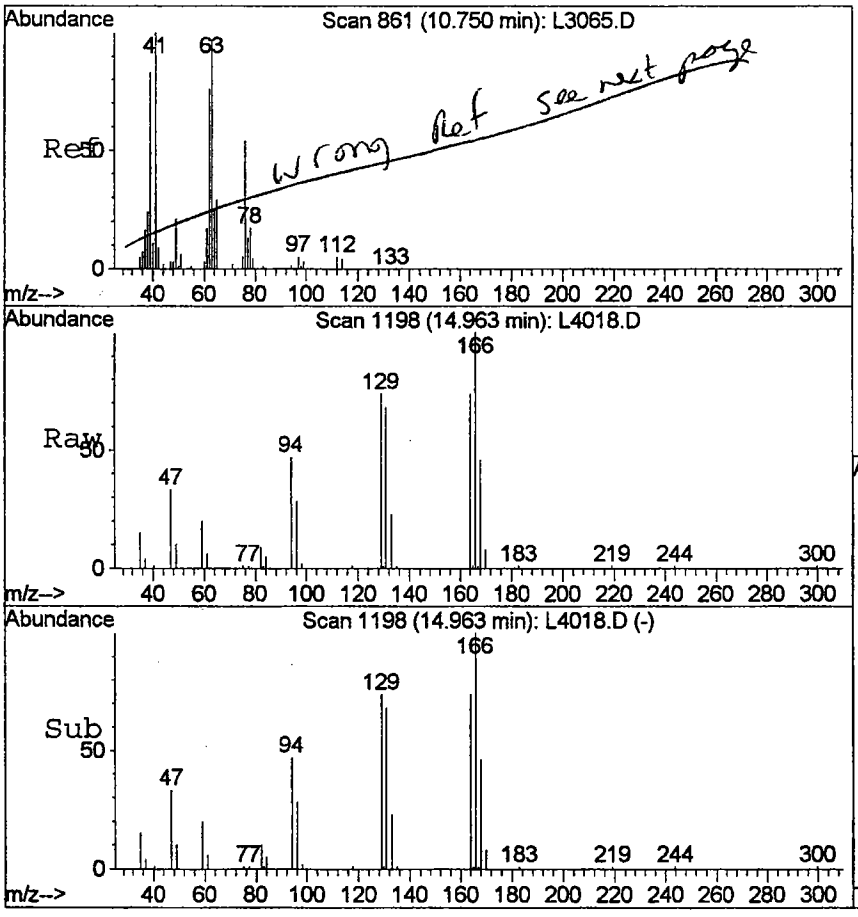


#15
C056 cis-1,2-Dichloroethene
Concen: 26.56 ng
RT: 7.95 min Scan# 637
Delta R.T. 0.03 min
Lab File: L4018.D
Acq: 29 Jan 2004 01:11

Tgt Ion: 96 Resp: 25159

Ion	Ratio	Lower	Upper
96	100		
61	125.7	129.4	169.4#
98	45.4	41.5	81.5

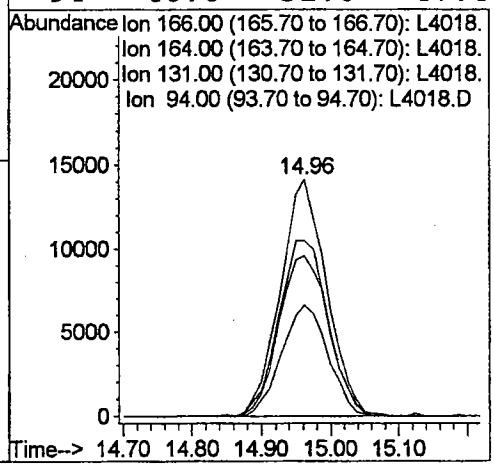




#35
C220 Tetrachloroethene
Concen: 45.30 ng
RT: 14.96 min Scan# 1198
Delta R.T. -0.01 min
Lab File: L4018.D
Acq: 29 Jan 2004 01:11

Tgt Ion:166 Resp: 65257

Ion	Ratio	Lower	Upper
166	100		
164	74.0	60.6	91.0
131	67.7	55.2	82.8
94	46.6	31.6	47.4

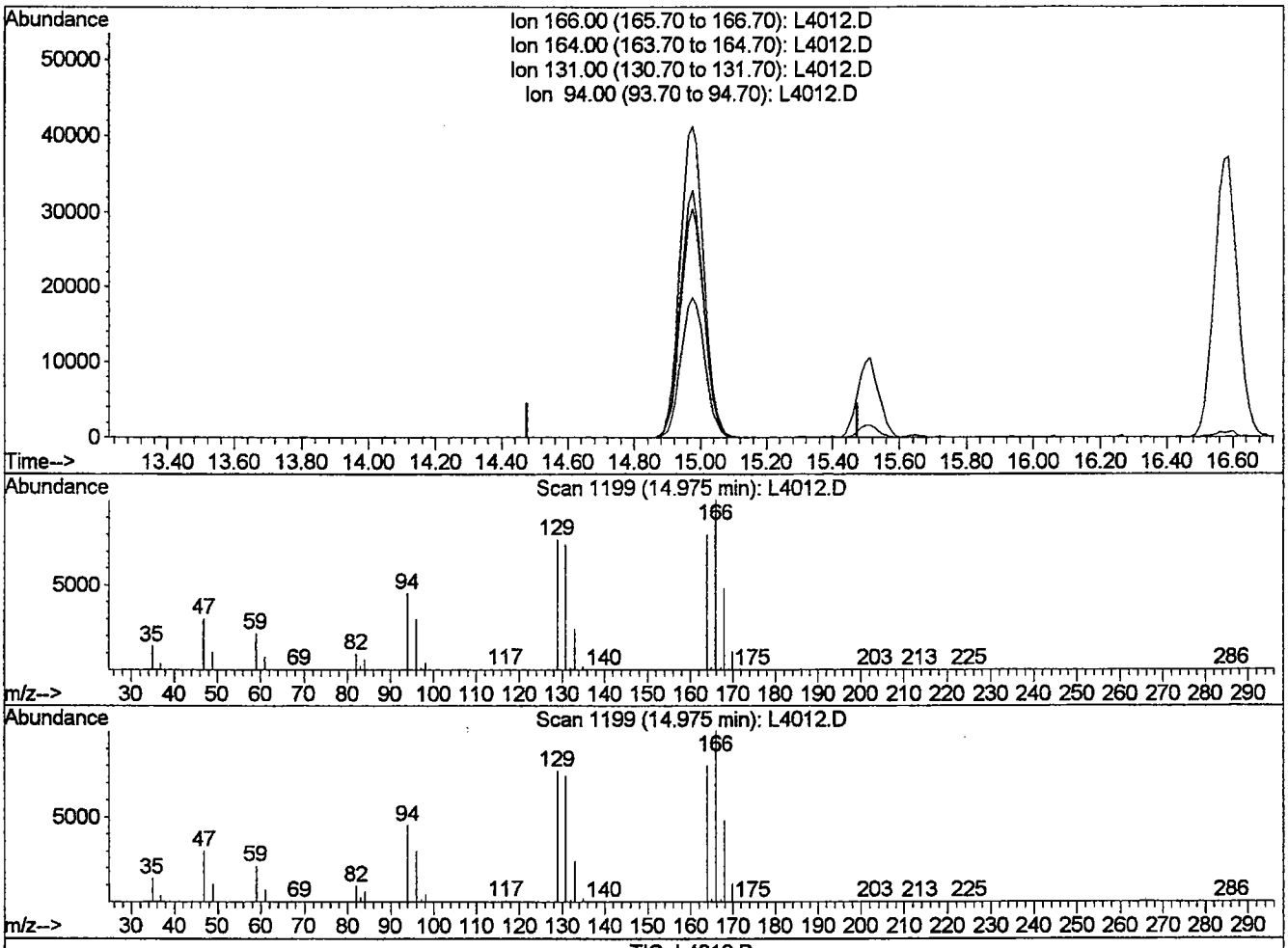


Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4012.D Vial: 2
Acq On : 28 Jan 2004 21:35 Operator: CDC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Calibration

OK 1/29/04



TIC: L4012.D

(35) C220 Tetrachloroethene

Exp R.T. 14.98min

response 0

Ion	Exp	Act%
166.00	100	100
164.00	79.80	79.84
131.00	73.80	73.82
94.00	45.00	45.04

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

149/401

Client No.

MW-10

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063415

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4017.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

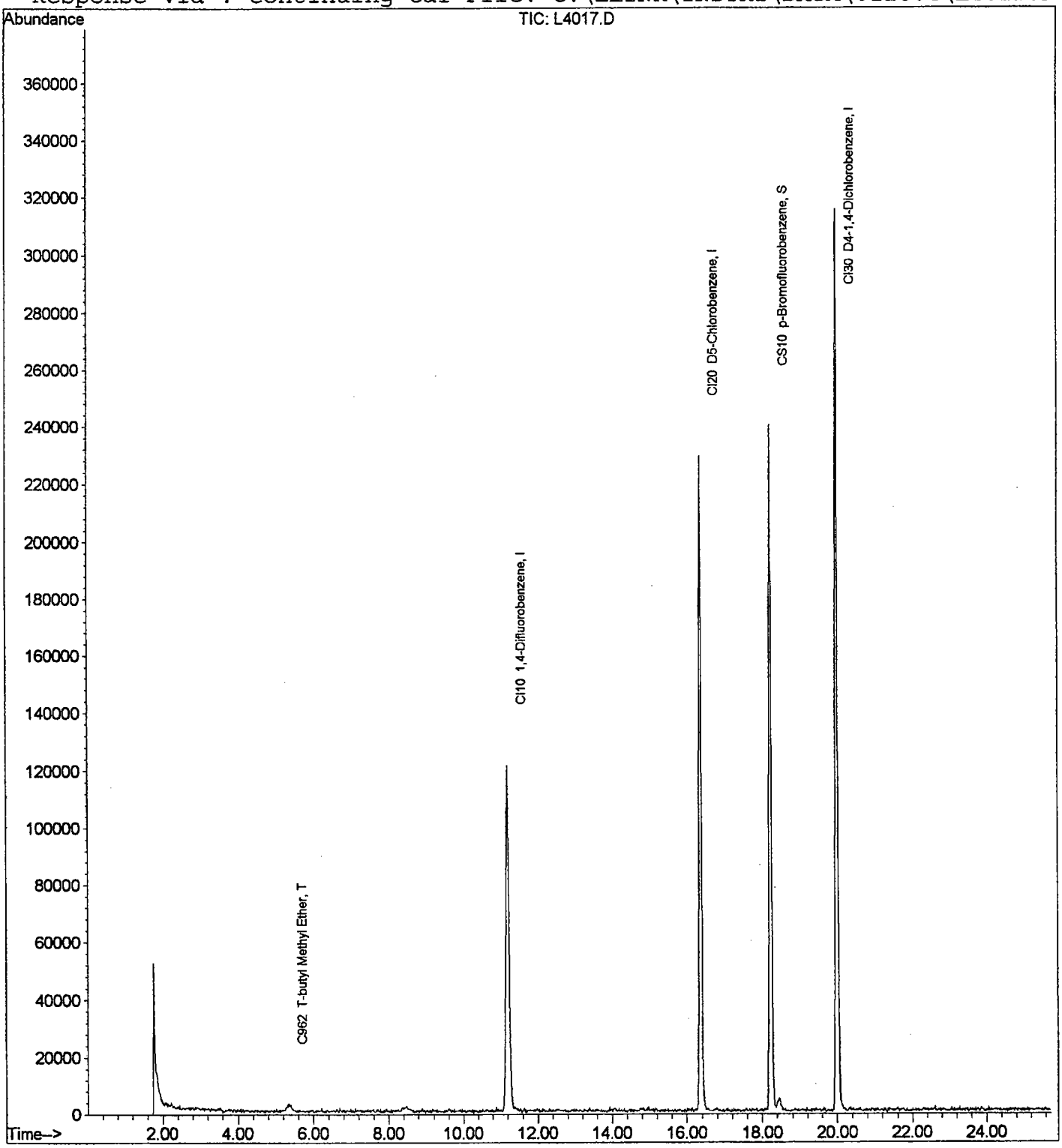
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4017.D Vial: 7
Acq On : 29 Jan 2004 00:39 Operator: CDC
Sample : A4063415 B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4017.D Vial: 7
Acq On : 29 Jan 2004 00:39 Operator: CDC
Sample : A4063415 B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

NGTLC 1/29/04

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.20	114	340076	125.00	ng	0.02 94.06%
24) CI20	D5-Chlorobenzene	16.36	117	318305	125.00	ng	-0.01 88.68%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	203994	125.00	ng	-0.04 82.40%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.23	174	145469	118.28	ng	-0.02
Spiked Amount 125.000	Range 80 - 120			Recovery = 94.62%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	5.34	73	12301	6.86	ng	89
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

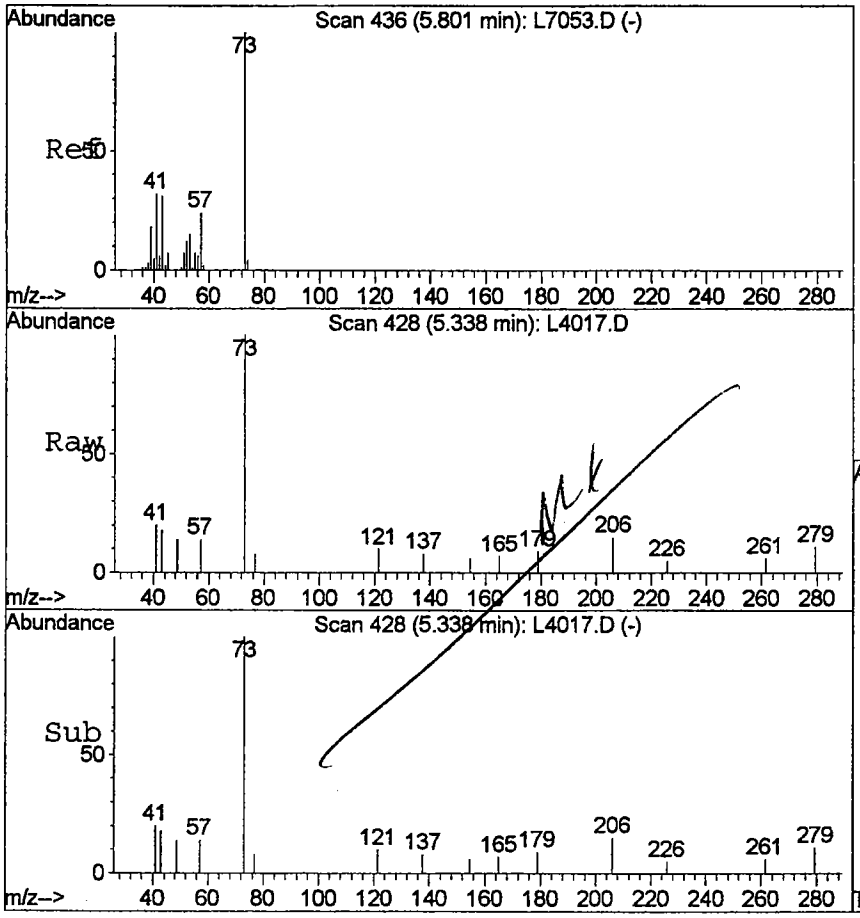
(#) = qualifier out of range (m) = manual integration

Data File : C:\ELINK\INSTR1\DATA\012804\L4017.D Vial: 7
Acq On : 29 Jan 2004 00:39 Operator: CDC
Sample : A4063415 B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:26 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

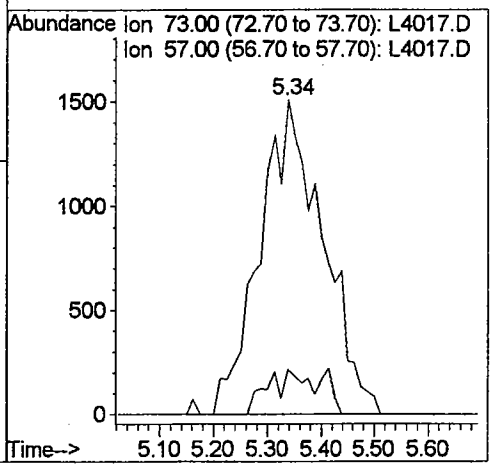
(#) = qualifier out of range (m) = manual integration



#12
C962 T-butyl Methyl Ether
Concen: 6.86 ng
RT: 5.34 min Scan# 428
Delta R.T. 0.04 min
Lab File: L4017.D
Acq: 29 Jan 2004 00:39

Tgt Ion: 73 Resp: 12301

Ion	Ratio	Lower	Upper
73	100		
57	14.2	0.0	39.0



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

154/401

Client No.

MW-2

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063411

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4019.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

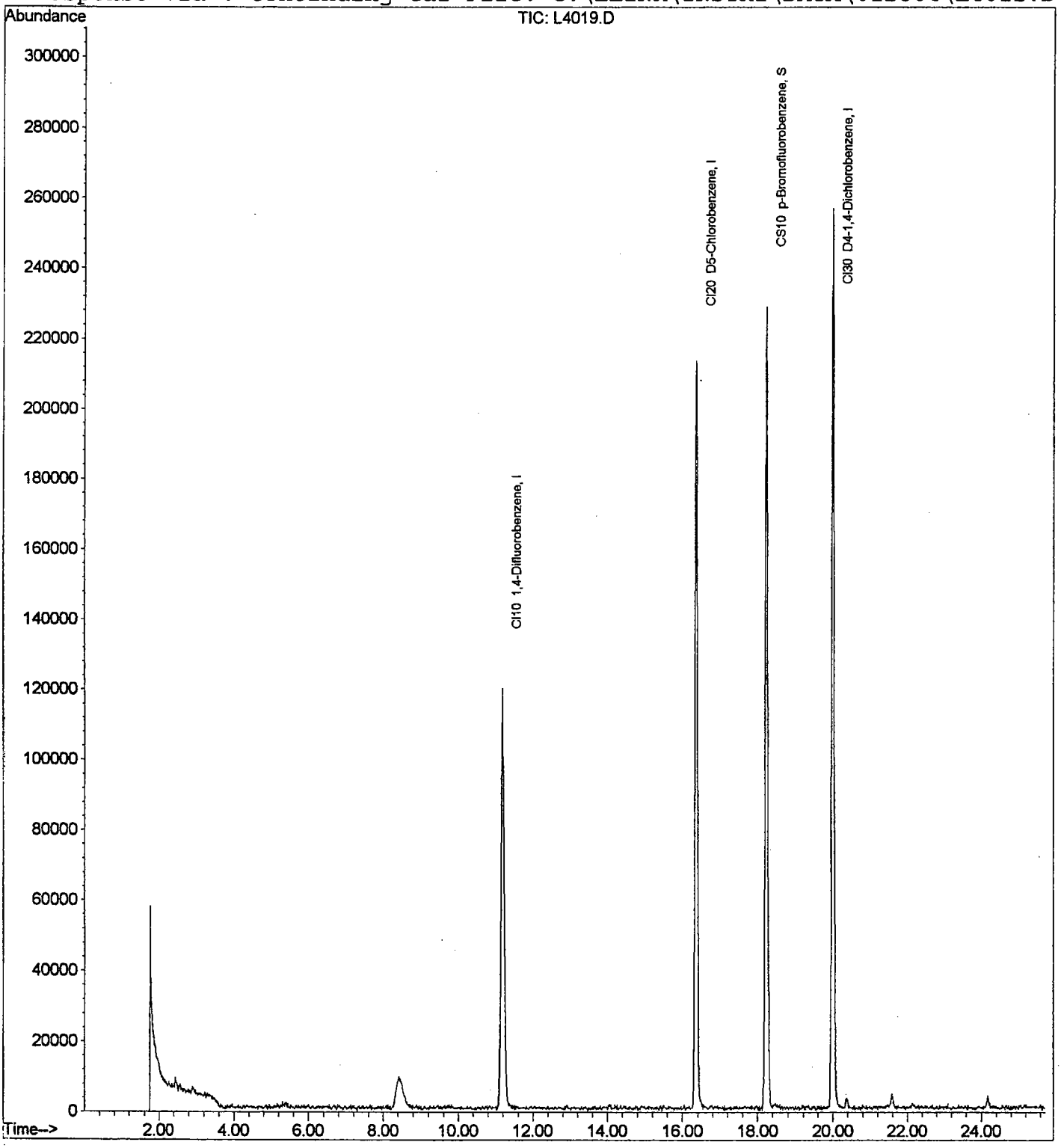
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4019.D Vial: 9
Acq On : 29 Jan 2004 01:44 Operator: CDC
Sample : A4063411 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:27 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4019.D Vial: 9
Acq On : 29 Jan 2004 01:44 Operator: CDC
Sample : A4063411 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:27 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

Clear of TICs 1/29/04

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.19	114	333498	125.00	ng	0.01 92.24%
24) CI20	D5-Chlorobenzene	16.36	117	309902	125.00	ng	-0.01 86.34%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	173727	125.00	ng	-0.04 70.17%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.23	174	145801	121.77	ng	-0.02
Spiked Amount 125.000		Range 80 - 120		Recovery = 97.42%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4019.D Vial: 9
Acq On : 29 Jan 2004 01:44 Operator: CDC
Sample : A4063411 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:27 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/2/2004

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

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

158/401

Client No.

MW-20

ıb Name: STL Buffalo Contract: _____

ıb Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ıtrix: (soil/water) WATER Lab Sample ID: A4063412

ımple wt/vol: 25.00 (g/mL) ML Lab File ID: L4020.RR

ɜvel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

ː Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

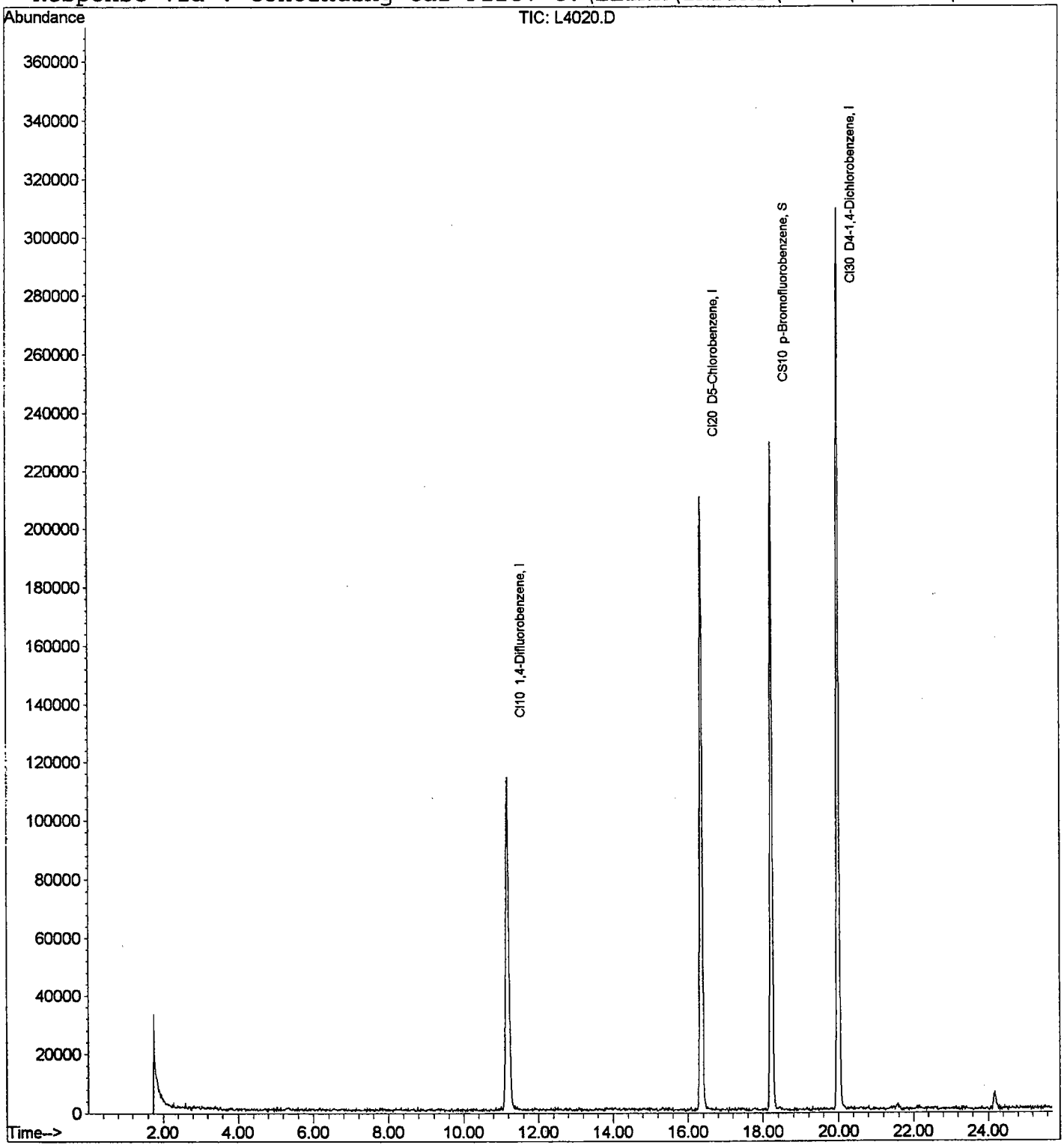
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Data File : C:\ELINK\INSTR1\DATA\012804\L4020.D
Acq On : 29 Jan 2004 02:17
Sample : A4063412
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:28 19104

Vial: 10
Operator: CDC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4020.D Vial: 10
Acq On : 29 Jan 2004 02:17 Operator: CDC
Sample : A4063412 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:28 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

Not Clean or 1/29/04

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.18	114	322411	125.00	ng	0.00 89.18%
24) CI20	D5-Chlorobenzene	16.35	117	297159	125.00	ng	-0.02 82.79%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	190580	125.00	ng	-0.04 76.98%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.21	174	137510	119.77	ng	-0.04
Spiked Amount 125.000		Range 80 - 120		Recovery = 95.82%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

1/29/04

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

Data File : C:\ELINK\INSTR1\DATA\012804\L4020.D Vial: 10
Acq On : 29 Jan 2004 02:17 Operator: CDC
Sample : A4063412 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:28 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/2/04

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

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

162/401

Client No.

MW-6

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063413

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4023.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

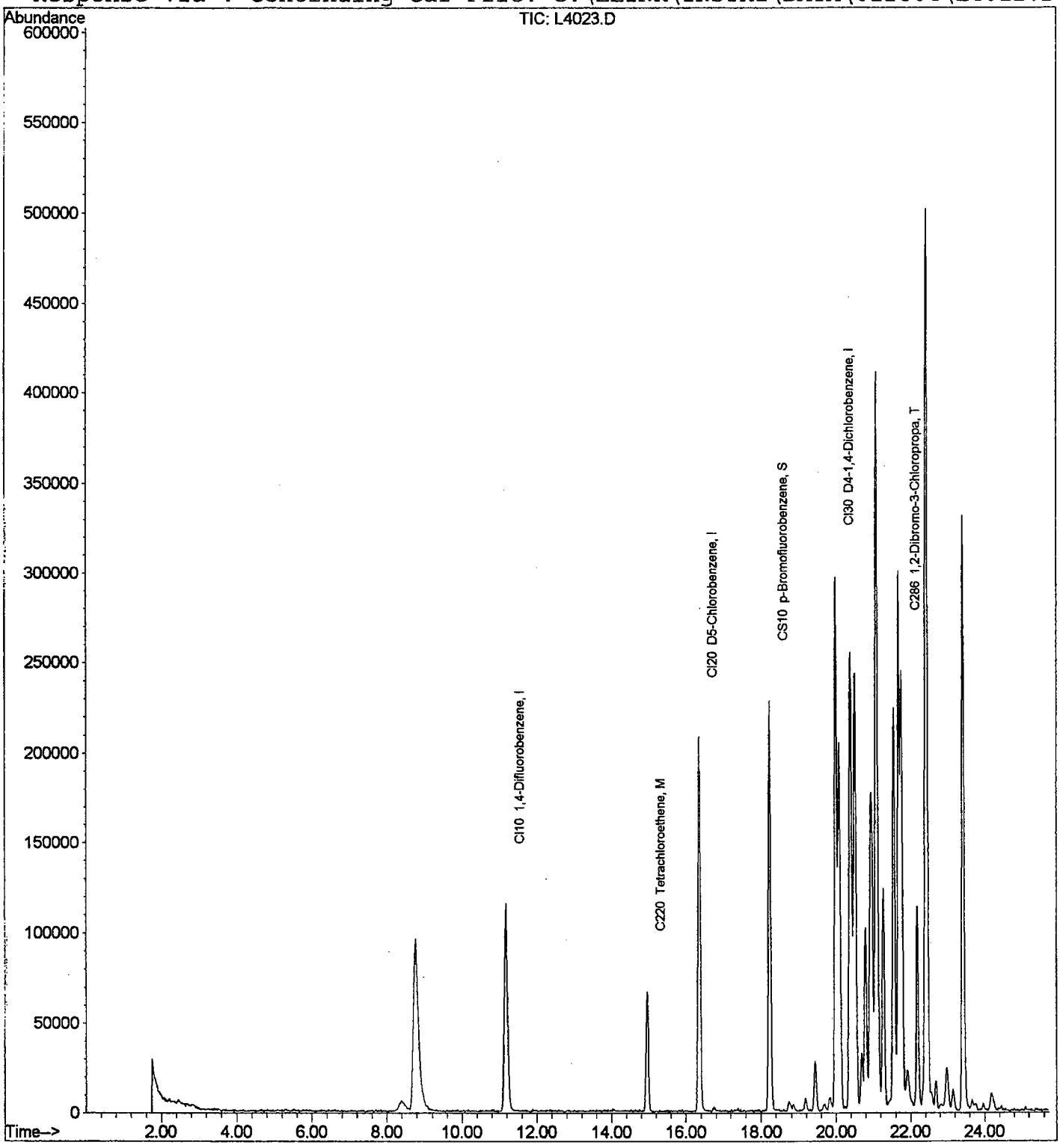
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	2	
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4023.D Vial: 13
Acq On : 29 Jan 2004 03:55 Operator: CDC
Sample : A4063413 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:29 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4023.D Vial: 13
Acq On : 29 Jan 2004 03:55 Operator: CDC
Sample : A4063413 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:29 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.18	114	317794	125.00	ng	0.00 87.90%
24) CI20	D5-Chlorobenzene	16.35	117	298239	125.00	ng	-0.02 83.09%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	197684	125.00	ng	-0.04 79.85%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.23	174	141287	122.61	ng	-0.02
Spiked Amount 125.000	Range 80 - 120			Recovery = 98.09%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Data File : C:\ELINK\INSTR1\DATA\012804\L4023.D
Acq On : 29 Jan 2004 03:55
Sample : A4063413
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:29 19104

Vial: 13
Operator: CDC
Inst : I50L
Multiplr: 1.00

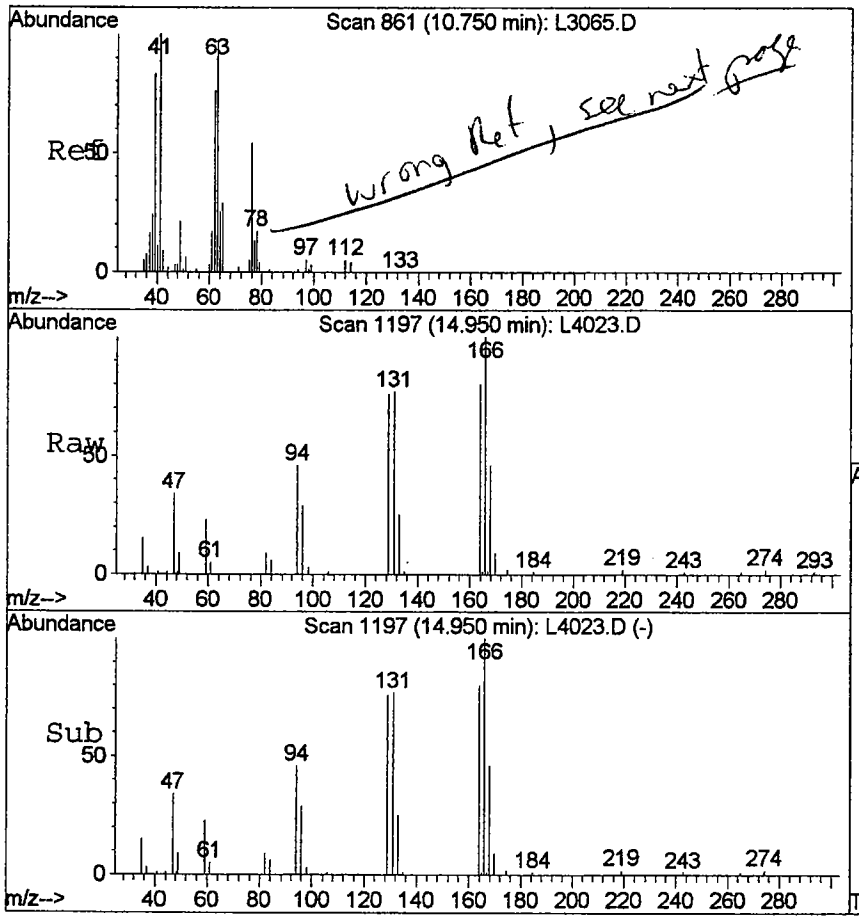
Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	14.95	166	54381	39.82 ng	92
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	21.76	75	1623	6.14 ng	# ~~13~~ M
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/12/04

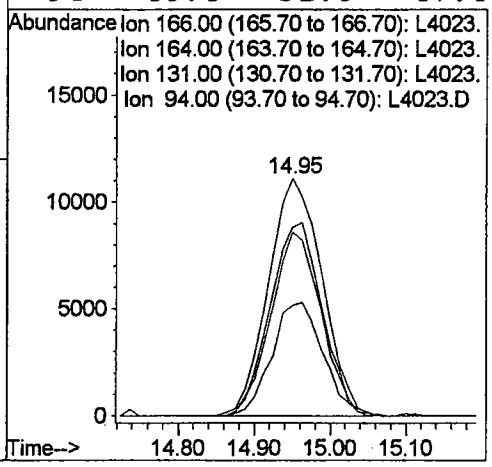
(#) = qualifier out of range (m) = manual integration

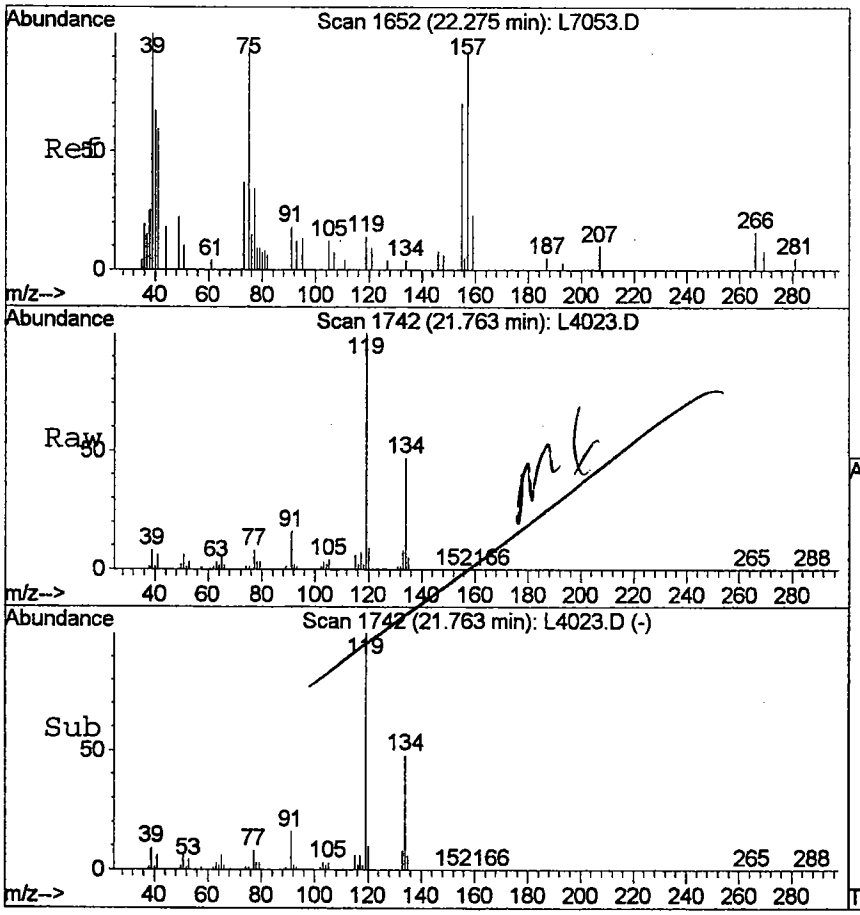


#35
C220 Tetrachloroethene
Concen: 39.82 ng
RT: 14.95 min Scan# 1197
Delta R.T. -0.03 min
Lab File: L4023.D
Acq: 29 Jan 2004 03:55

Tgt Ion:166 Resp: 54381

Ion	Ratio	Lower	Upper
166	100		
164	79.6	60.6	91.0
131	77.4	55.2	82.8
94	46.4	31.6	47.4

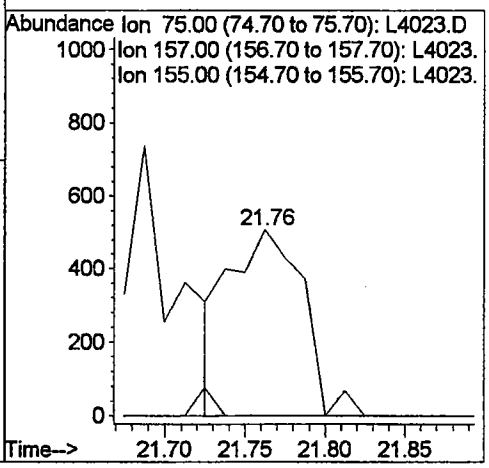




#53
C286 1,2-Dibromo-3-Chloropro
Concen: 6.14 ng
RT: 21.76 min Scan# 1742
Delta R.T. -0.09 min
Lab File: L4023.D
Acq: 29 Jan 2004 03:55

Tgt Ion: 75 Resp: 1623

Ion	Ratio	Lower	Upper
75	100		
157	0.0	64.7	97.1#
155	0.0	52.3	78.5#

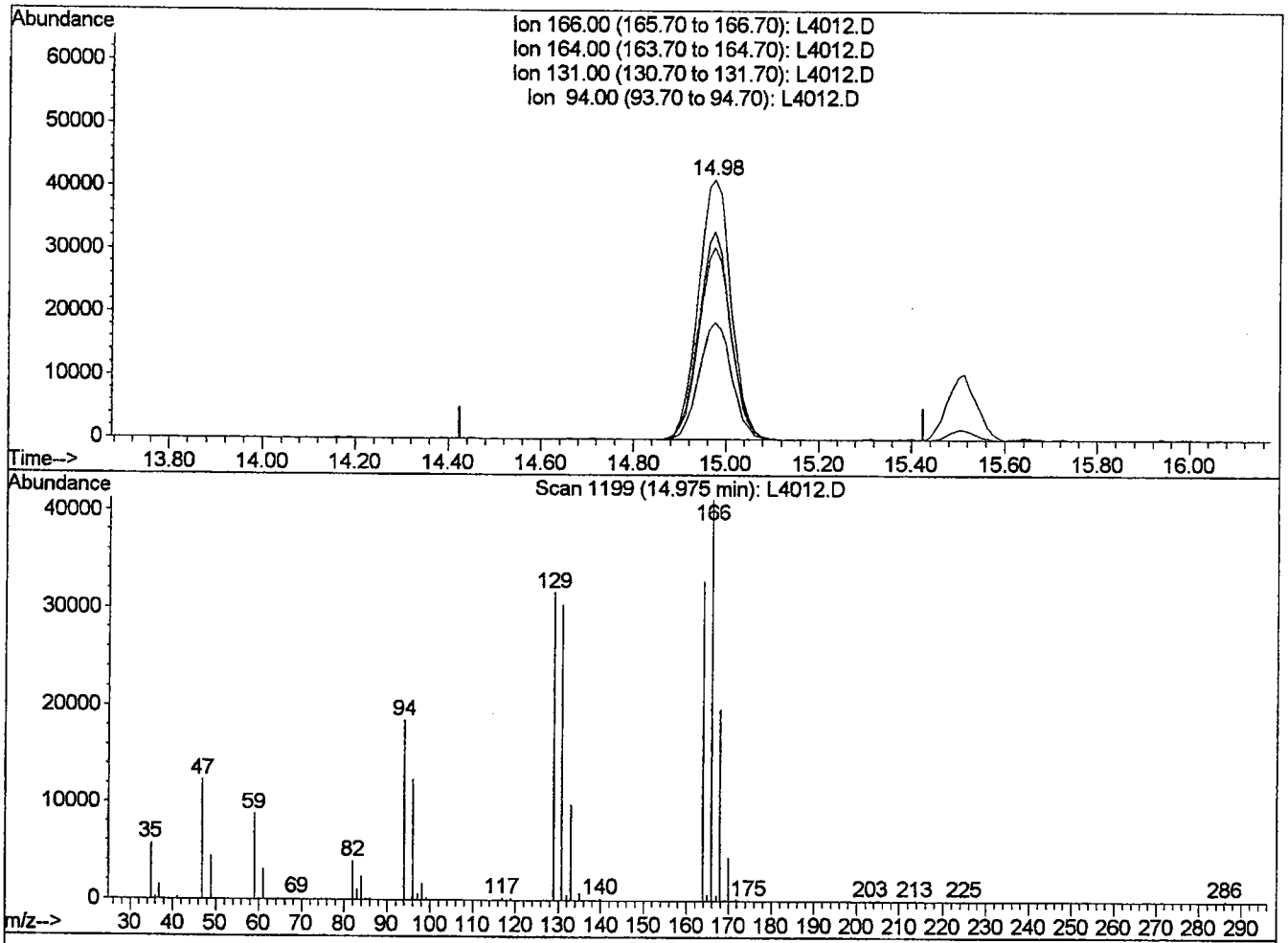


Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4012.D Vial: 2
Acq On : 28 Jan 2004 21:35 Operator: CDC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
Quant Time: Jan 28 22:07 19104 Quant Results File: temp.res

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single Level Calibration

1/29/04



(35) C220 Tetrachloroethene (M)

14.98min 140.23ng

response 205432

Ion	Exp%	Act%
166.00	100	100
164.00	75.80	79.84
131.00	69.00	73.82
94.00	39.50	45.04

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

168/401

Client No.

MW-8

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063414

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4021.RR

vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

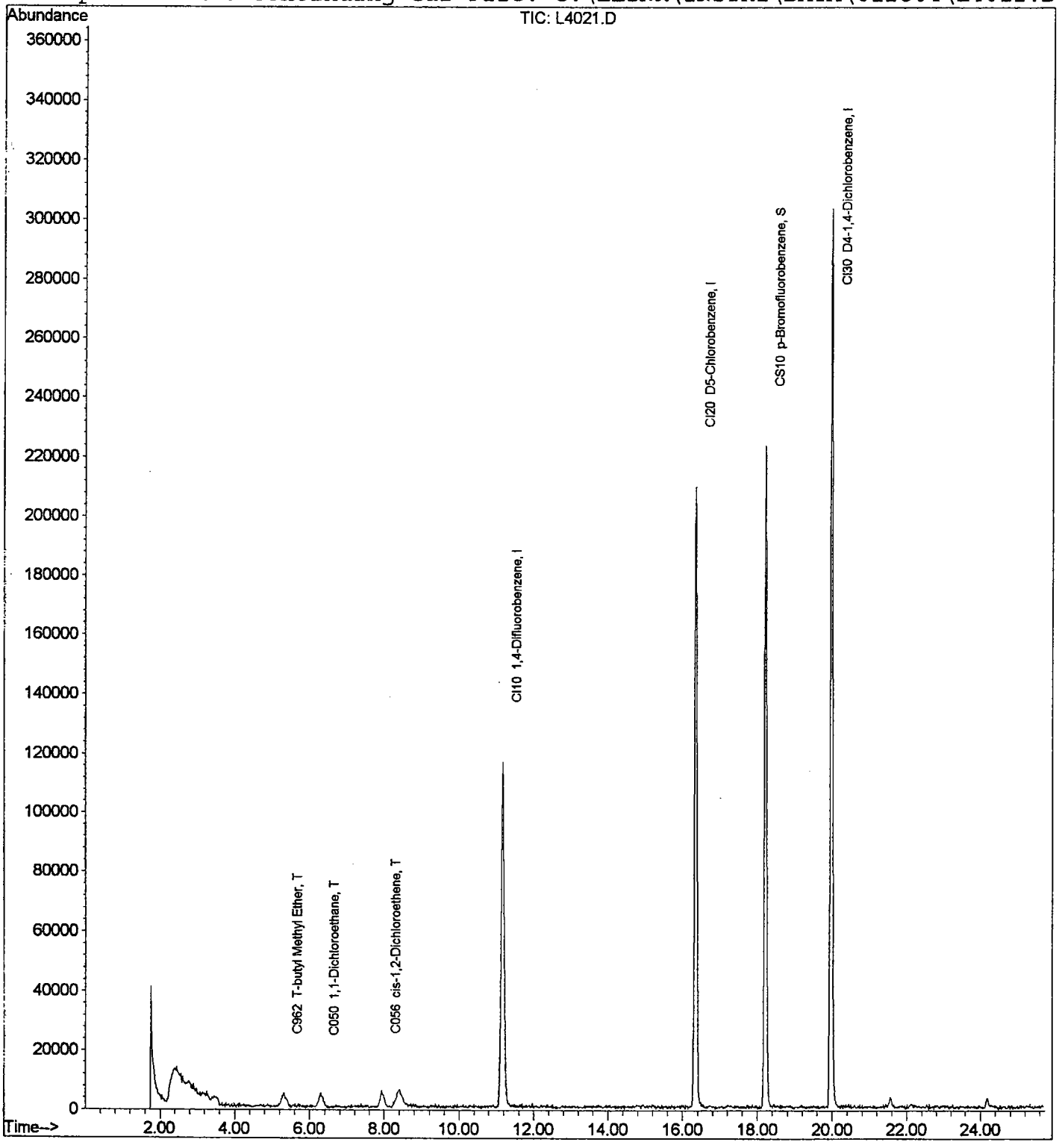
Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	0.6	J
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Data File : C:\ELINK\INSTR1\DATA\012804\L4021.D Vial: 11
Acq On : 29 Jan 2004 02:50 Operator: CDC
Sample : A4063414 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:28 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4021.D Vial: 11
Acq On : 29 Jan 2004 02:50 Operator: CDC
Sample : A4063414 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:28 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.16	114	323413	125.00 ng	-0.01 89.46%
24) CI20	D5-Chlorobenzene	16.34	117	294087	125.00 ng	-0.04 81.94%
48) CI30	D4-1,4-Dichlorobenze	19.98	152	192811	125.00 ng	-0.05 77.88%
System Monitoring Compounds						
45) CS10	p-Bromofluorobenzene	18.20	174	137075	120.64 ng	-0.05
Spiked Amount	125.000	Range	80 - 120	Recovery =	96.51%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.	
3) C010	Chloromethane	0.00	50		N.D.	
4) C015	Bromomethane	0.00	94		N.D.	
5) C020	Vinyl Chloride	0.00	62		N.D.	
6) C025	Chloroethane	0.00	64		N.D.	
7) C275	Trichlorotrifluorome	0.00	101		N.D.	
8) C030	Methylene Chloride	0.00	84		N.D.	
9) C035	Acetone	0.00	43		N.D.	
10) C040	Carbon Disulfide	0.00	76		N.D.	
11) C045	1,1-Dichloroethene	0.00	96		N.D.	
12) C962	T-butyl Methyl Ether	5.30	73	22589	13.24 ng	~~90~~ MF
13) C050	1,1-Dichloroethane	6.28	63	24081	14.13 ng	73
14) C057	trans-1,2-dichloroet	0.00	96		N.D.	
15) C056	cis-1,2-Dichloroethe	7.93	96	~~5099~~ 9435	~~5.41~~ ng	10,01 91
16) C060	Chloroform	0.00	83		N.D.	
17) C222	Bromochloromethane	0.00	128		N.D.	
18) C065	1,2-Dichloroethane	0.00	62		N.D.	
19) C110	2-Butanone	0.00	43		N.D.	
20) C255	Methyl Acetate	0.00	43		N.D.	
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.	
22) C256	Cyclohexane	0.00	56		N.D.	
23) C012	Methylcyclohexane	0.00	83		N.D.	
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.	
26) C120	Carbon Tetrachloride	0.00	117		N.D.	
27) C150	Trichloroethene	0.00	95		N.D.	
28) C130	Bromodichloromethane	0.00	83		N.D.	
29) C140	1,2-Dichloropropane	0.00	63		N.D.	

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

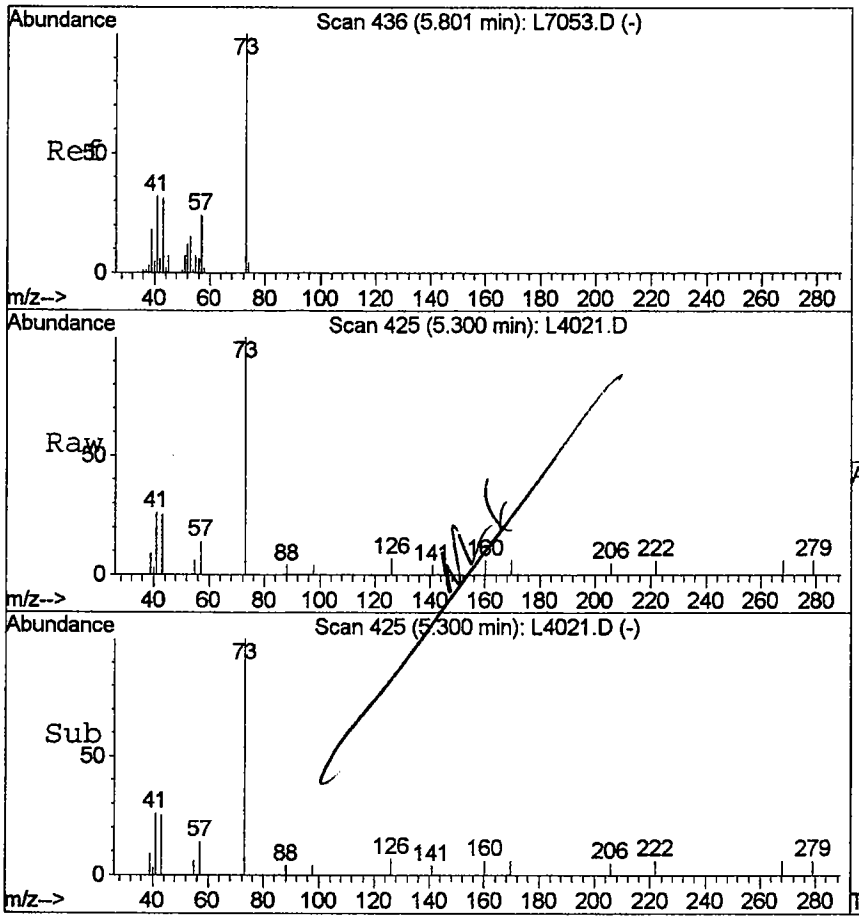
Data File : C:\ELINK\INSTR1\DATA\012804\L4021.D Vial: 11
Acq On : 29 Jan 2004 02:50 Operator: CDC
Sample : A4063414 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:28 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/2/2004

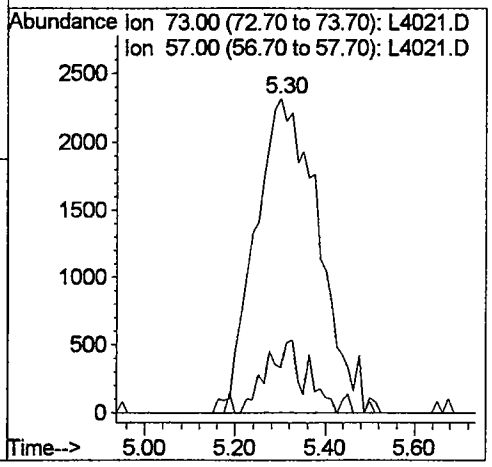
(#) = qualifier out of range (m) = manual integration

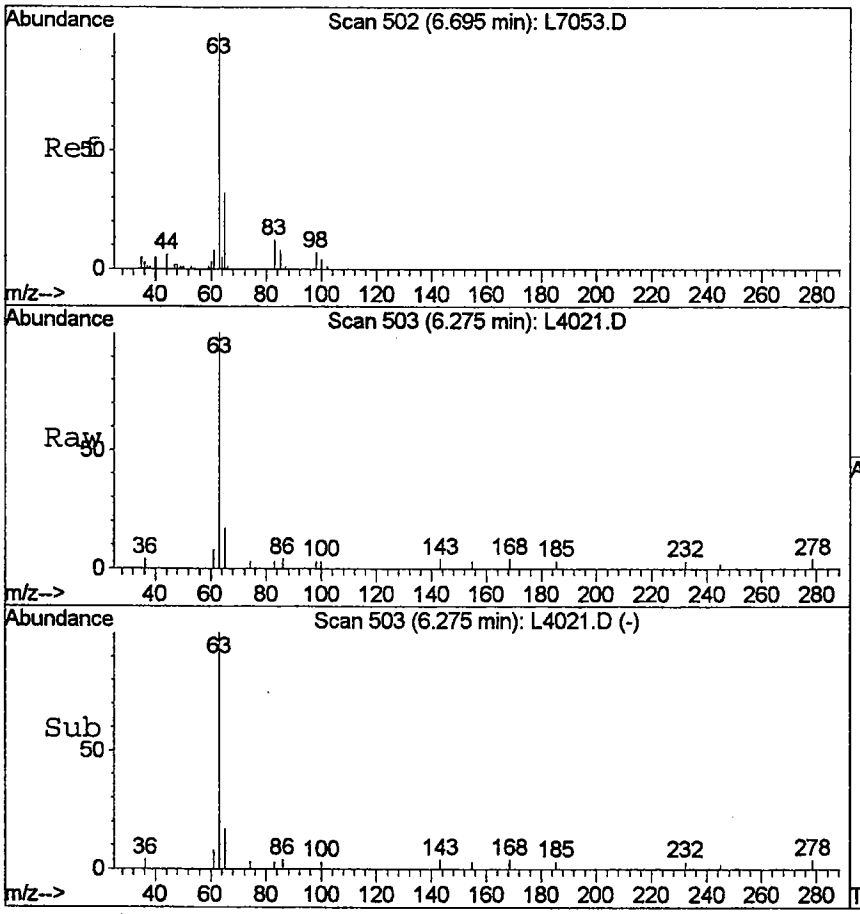


#12
C962 T-butyl Methyl Ether
Concen: 13.24 ng
RT: 5.30 min Scan# 425
Delta R.T. 0.00 min
Lab File: L4021.D
Acq: 29 Jan 2004 02:50

Tgt Ion: 73 Resp: 22589

Ion	Ratio	Lower	Upper
73	100		
57	14.5	0.0	39.0

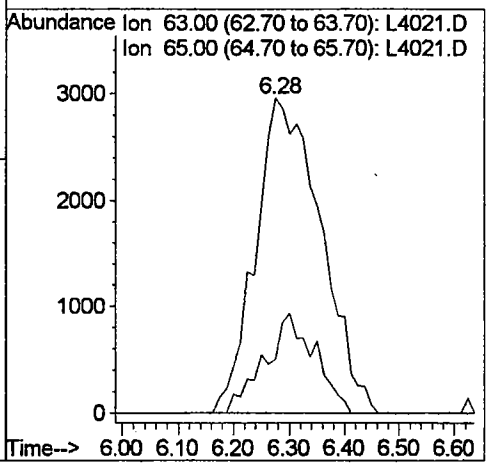


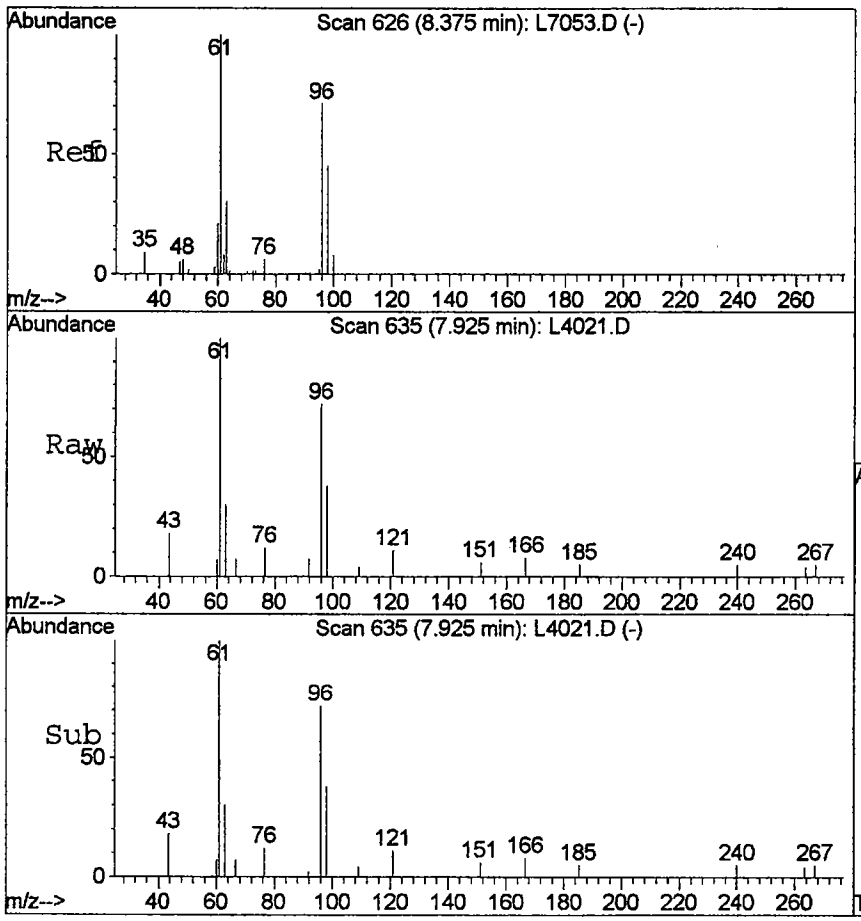


#13
C050 1,1-Dichloroethane
Concen: 14.13 ng
RT: 6.28 min Scan# 503
Delta R.T. -0.02 min
Lab File: L4021.D
Acq: 29 Jan 2004 02:50

Tgt Ion: 63 Resp: 24081

Ion	Ratio	Lower	Upper
63	100		
65	17.1	12.2	52.2

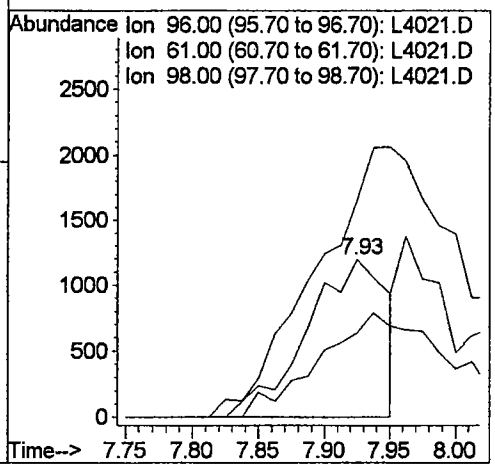




#15
C056 cis-1,2-Dichloroethene
Concen: ~~5.41 ng~~ 10.01 next page
RT: 7.93 min Scan# 635
Delta R.T. 0.00 min
Lab File: L4021.D
Acq: 29 Jan 2004 02:50

Tgt Ion: 96 Resp: 5099

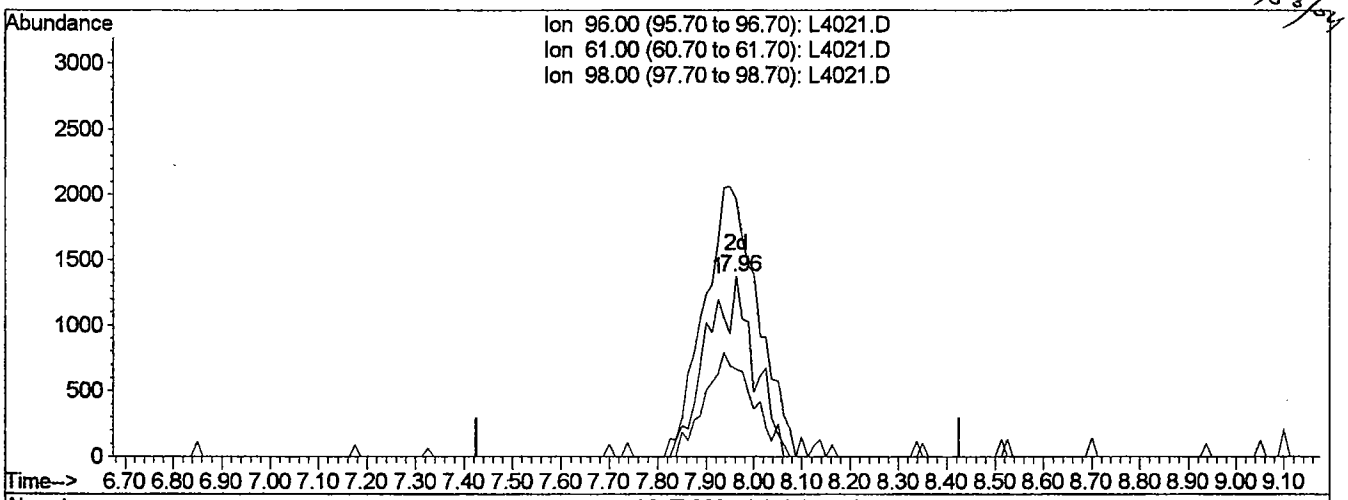
Ion	Ratio	Lower	Upper
96	100		
61	138.3	129.4	169.4
98	53.2	41.5	81.5

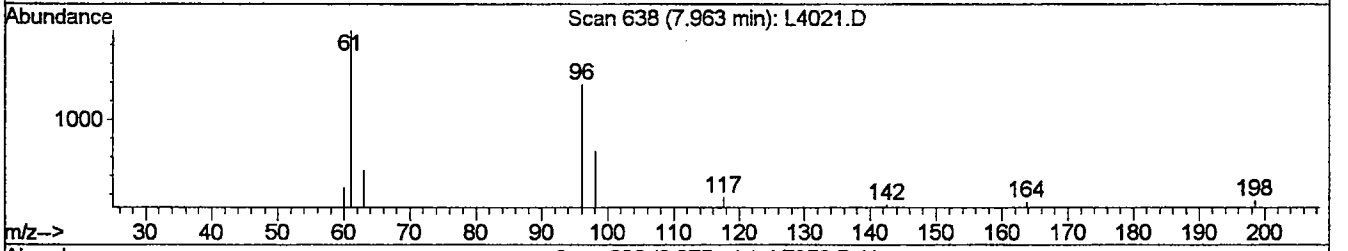


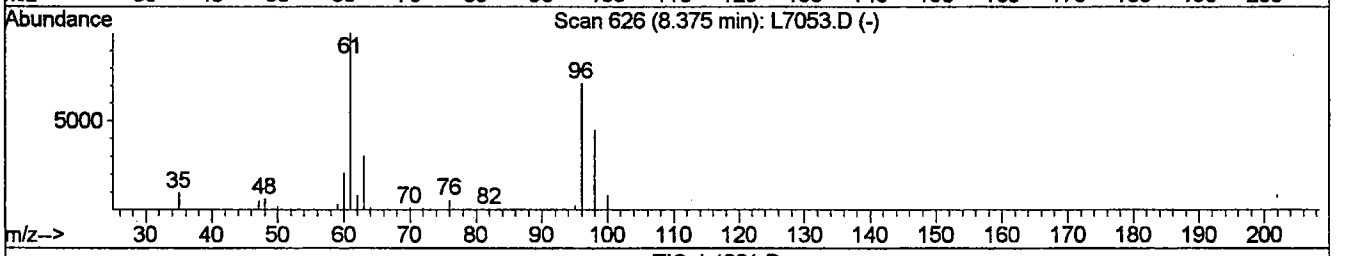
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4021.D Vial: 11
Acq On : 29 Jan 2004 02:50 Operator: CDC
Sample : A4063414 Inst : I50L
Misc : Multiplr: 1.00
Quant Time: Jan 30 10:10 19104 Quant Results File: temp.res

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single Level Calibration







TIC: L4021.D

(15) C056 cis-1,2-Dichloroethene (T)

7.96min 10.01ng m

response 9435

Ion	Exp%	Act%
96.00	100	100
61.00	149.40	142.36
98.00	61.50	48.18
0.00	0.00	0.00

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

175/401

Client No.

Trip Blank

ıb Name: STL Buffalo Contract: _____

ıb Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ıtrix: (soil/water) WATER Lab Sample ID: A4063416

ımple wt/vol: 25.00 (g/mL) ML Lab File ID: L4022.RR

:vel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

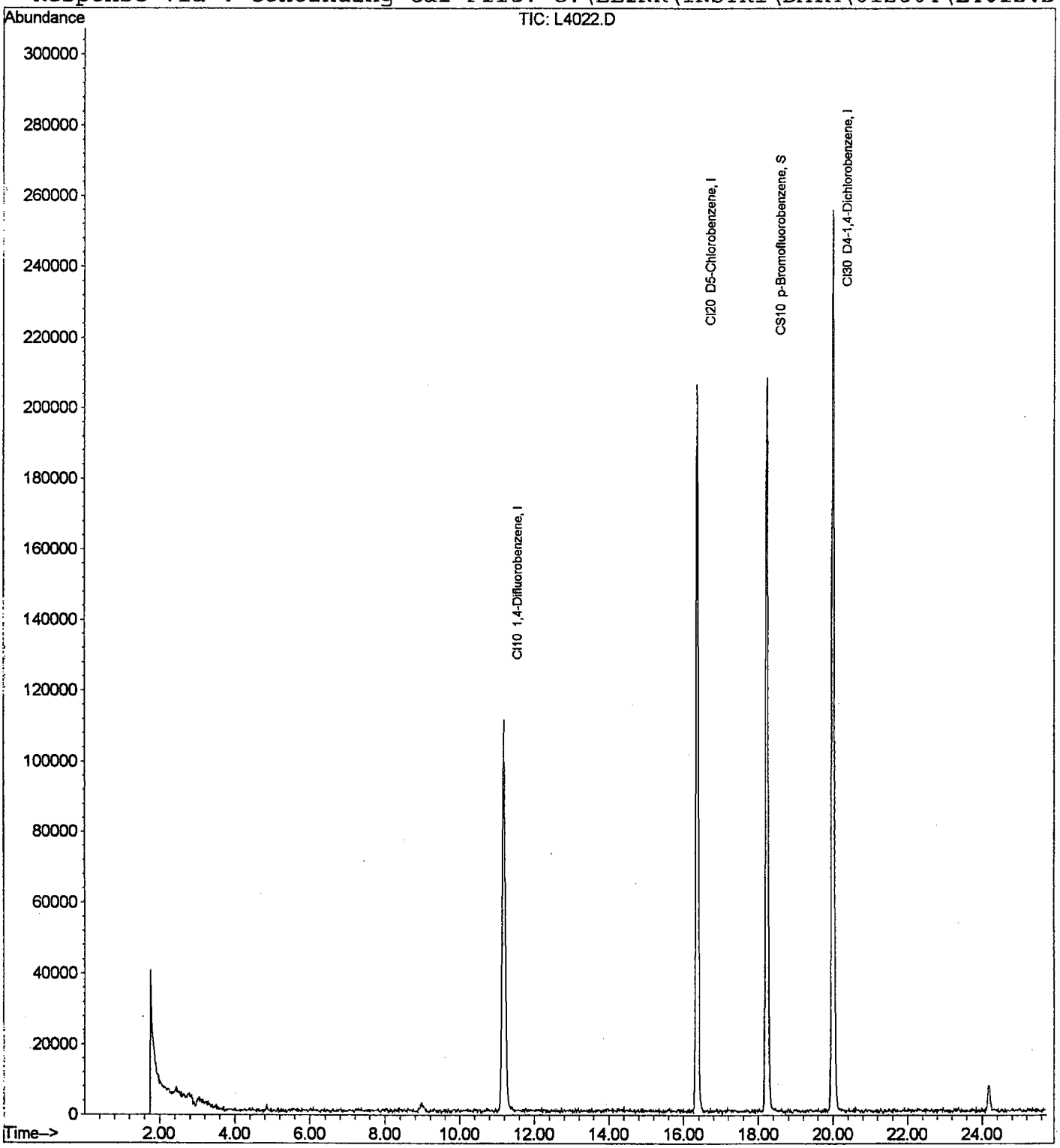
: Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

›il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Data File : C:\ELINK\INSTR1\DATA\012804\L4022.D Vial: 12
Acq On : 29 Jan 2004 03:22 Operator: CDC
Sample : A4063416 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:29 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4022.D Vial: 12
Acq On : 29 Jan 2004 03:22 Operator: CDC
Sample : A4063416 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:29 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

Clean on 1/29/04 NOT.

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.18	114	309619	125.00	ng	0.00 85.64%
24) CI20	D5-Chlorobenzene	16.35	117	286150	125.00	ng	-0.02 79.72%
48) CI30	D4-1,4-Dichlorobenze	19.99	152	179557	125.00	ng	-0.04 72.53%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.21	174	137567	124.43	ng	-0.04
Spiked Amount 125.000	Range 80 - 120			Recovery = 99.54%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	0.00	83		N.D.		
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

2/2/2004

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

Data File : C:\ELINK\INSTR1\DATA\012804\L4022.D Vial: 12
Acq On : 29 Jan 2004 03:22 Operator: CDC
Sample : A4063416 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:29 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/2/04

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

STANDARDS

LOW CONCENTRATION VOLATILES, 10/92
INITIAL CALIBRATION DATA

ab Name: STL Buffalo Contract: _____ Lab Sample ID: A4I0000065-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

itrument ID: I50L Calibration Dates(s): 01/28/2004 01/28/2004

eated Purge (Y/N): N Calibration Times: 08:49 11:56

Column: DB-624 ID: 0.53 (mm)

Lab File ID: RRF1 = L3987.RR RRF2 = L3986.RR
RRF5 = L3985.RR RRF10 = L3984.RR RRF25 = L3983.RR

COMPOUND		RRF1	RRF2	RRF5	RRF10	RRF25	AVG RRF	% RSD
Vinyl chloride	*	0.297	0.253	0.256	0.258	0.266	0.2660	6.800*
Chloroethane		0.206	0.167	0.196	0.188	0.208	0.1930	8.600
1,1-Dichloroethane	*	0.633	0.695	0.646	0.666	0.699	0.6680	4.400*
1,1,1-Trichloroethane	*	0.698	0.743	0.679	0.729	0.791	0.7280	5.900*
Trichloroethene	*	0.450	0.482	0.435	0.464	0.471	0.4600	4.000*
Tetrachloroethene	*	0.540	0.587	0.510	0.550	0.623	0.5620	7.800*
Chlorobenzene	*	1.037	1.060	0.984	1.016	1.113	1.0420	4.700*
1,2-Dichloroethene (Total)		0.313	0.362	0.341	0.371	0.379	0.3530	7.500
p-Bromofluorobenzene	*	0.445	0.515	0.485	0.522	0.576	0.5090	9.500*

Comments:

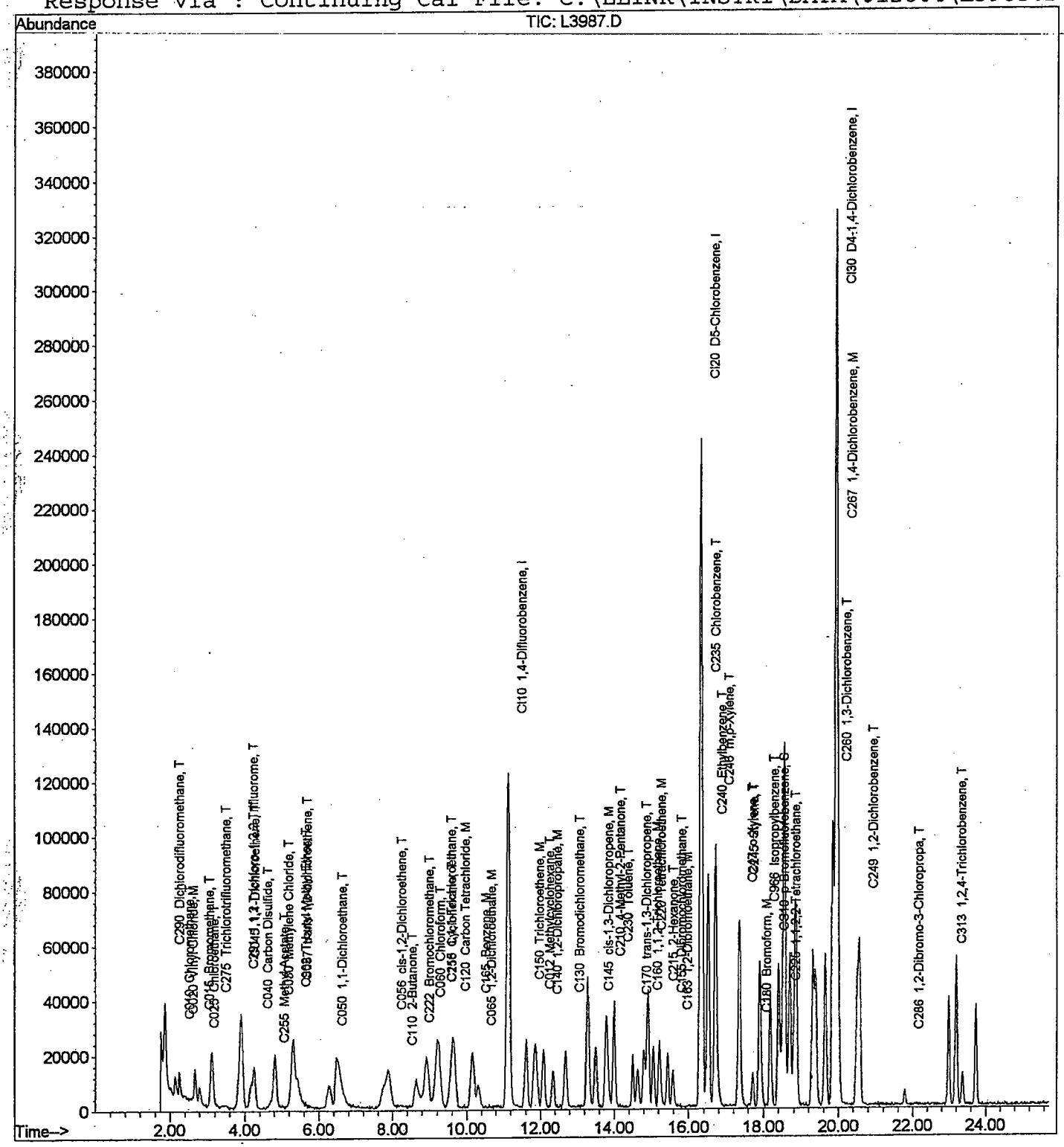
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3987.D
Acq On : 28 Jan 2004 11:56
Sample : VSTD001
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 12:30 19104

Vial: 5
Operator: PC
Inst : I50L
Multiplr: 1.00

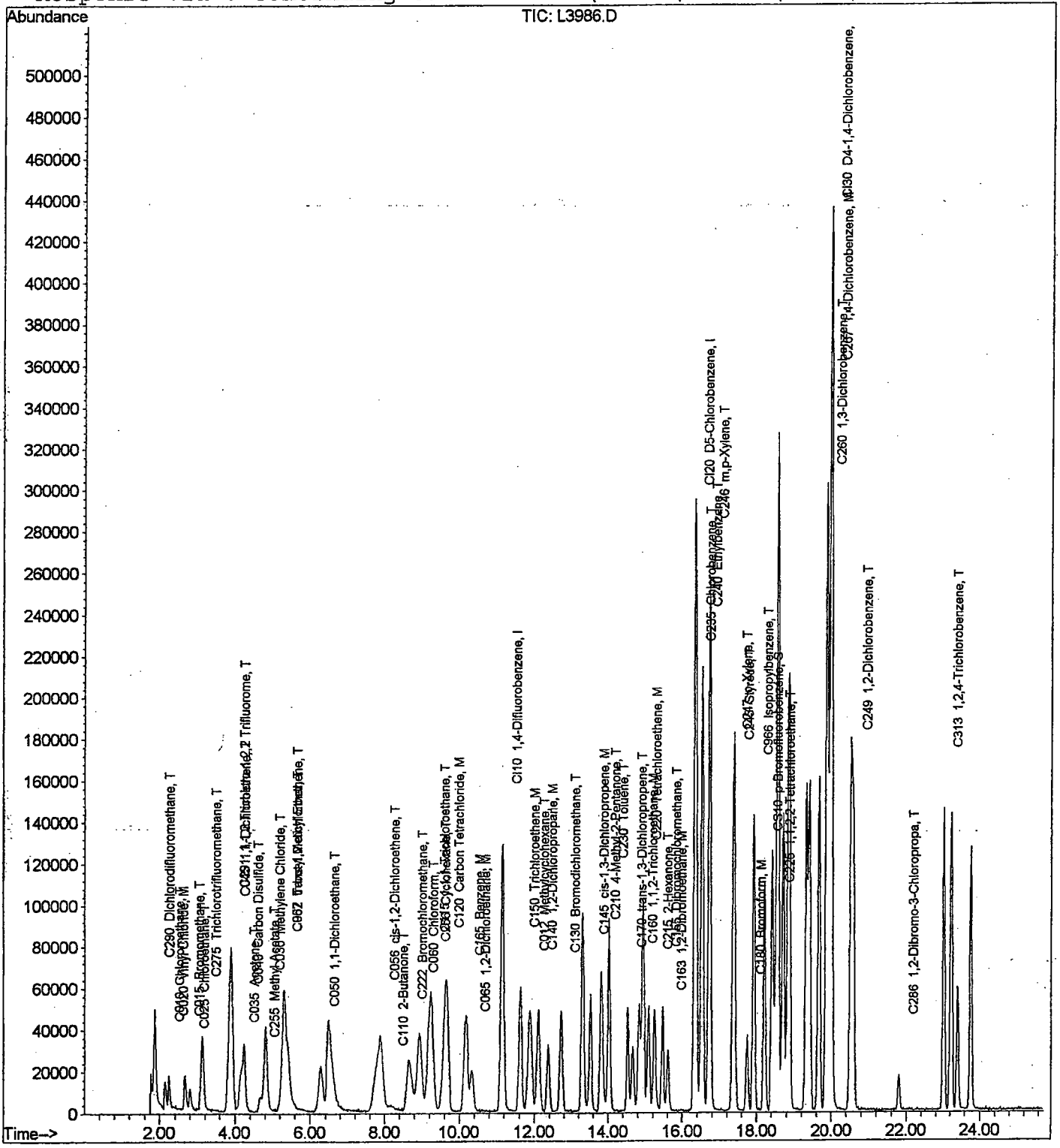
Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



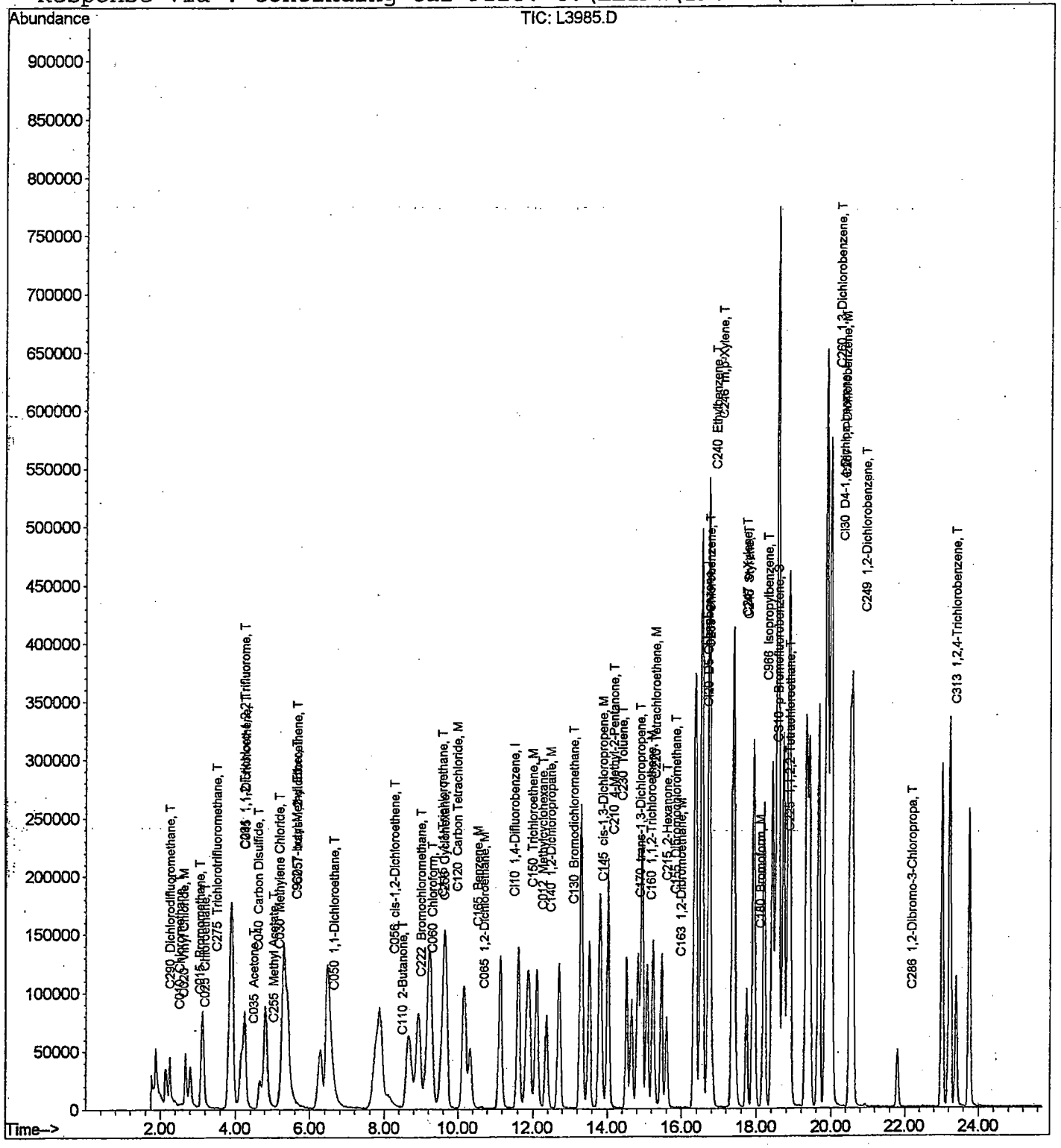
Data File : C:\ELINK\INSTR1\DATA\012804\L3986.D Vial: 4
Acq On : 28 Jan 2004 11:23 Operator: PC
Sample : VSTD002 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:53 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D Vial: 3
Acq On : 28 Jan 2004 10:51 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:22 19104 Quant Results File: LOWCLP.RES

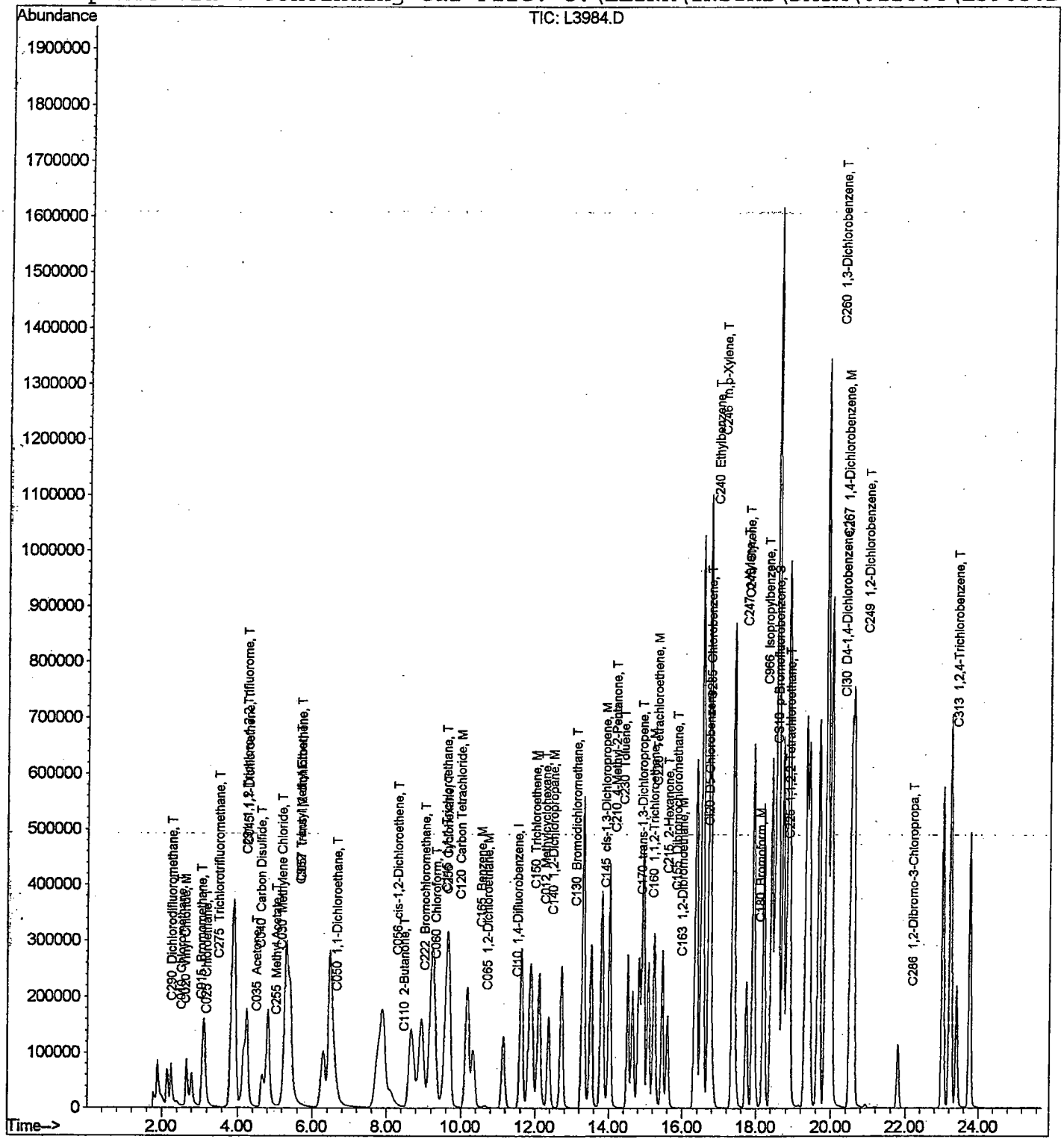
Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

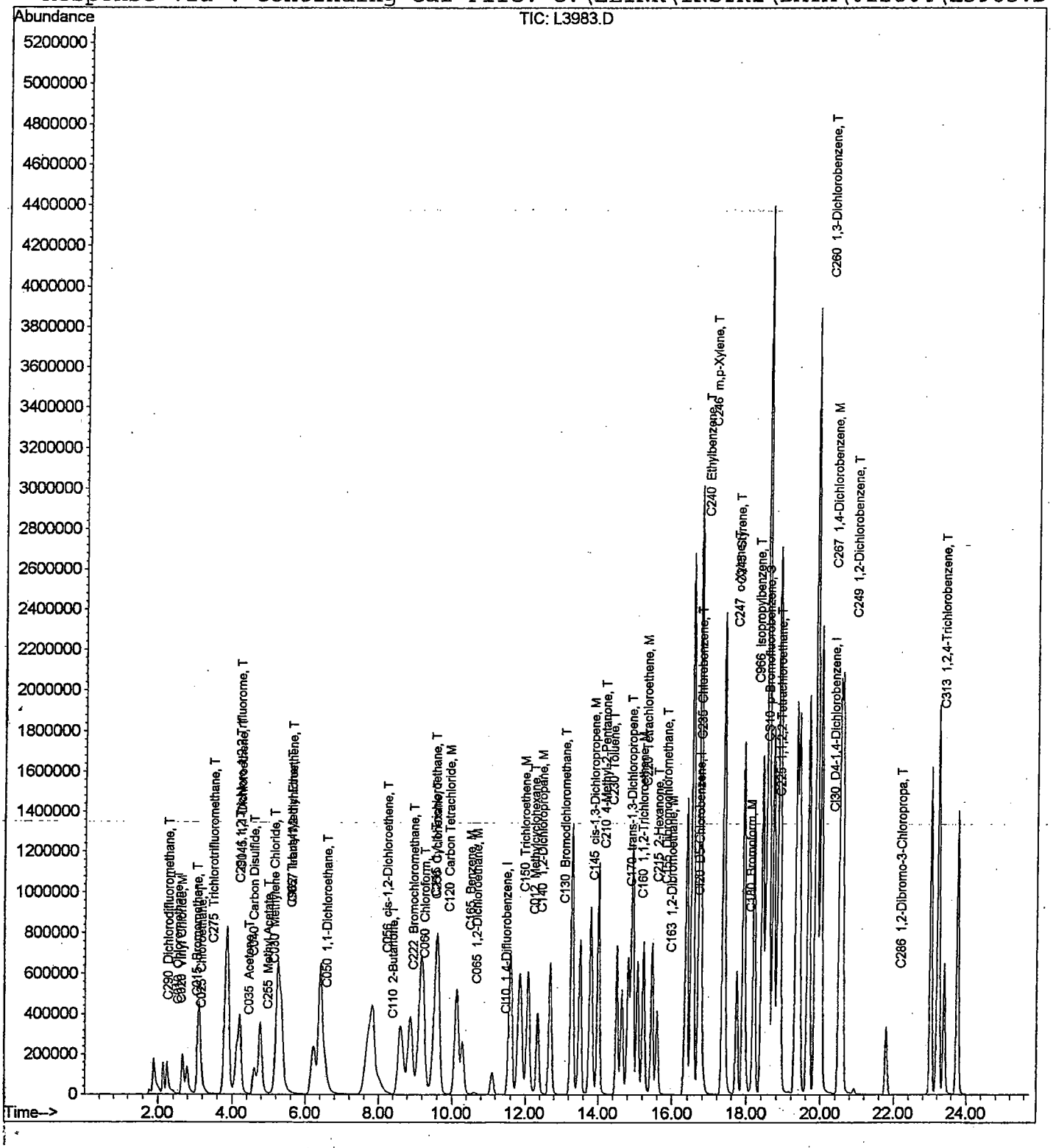
Data File : C:\ELINK\INSTR1\DATA\012804\L3984.D Vial: 2
Acq On : 28 Jan 2004 10:19 Operator: PC
Sample : VSTD010 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:21 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Data File : C:\ELINK\INSTR1\DATA\012804\L3983.D Vial: 1
Acq On : 28 Jan 2004 09:47 Operator: PC
Sample : VSTD025 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:21 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3987.D Vial: 5
Acq On : 28 Jan 2004 11:56 Operator: PC
Sample : VSTD001 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 12:30 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.13	114	349996	125.00	ng		0.00 93.96%
24) CI20	D5-Chlorobenzene	16.31	117	321617	125.00	ng		0.00 89.70%
48) CI30	D4-1,4-Dichlorobenze	19.95	152	201085	125.00	ng		0.00 85.95%
System Monitoring Compounds								
45) CS10	p-Bromofluorobenzene	18.18	174	28627	22.94	ng		0.00
Spiked Amount	125.000	Range	80 - 120		Recovery =		18.35%#	
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.88	85	26048	30.66	ng		88
3) C010	Chloromethane	2.15	50	17750	29.68	ng		95
4) C015	Bromomethane	2.68	94	14414	26.96	ng		80
5) C020	Vinyl Chloride	2.25	62	20808	29.04	ng		96
6) C025	Chloroethane	2.80	64	14433	26.26	ng		99
7) C275	Trichlorotrifluorome	3.13	101	48284	30.59	ng		97
8) C030	Methylene Chloride	4.81	84	25152	29.95	ng		90
9) C035	Acetone	0.00	43		N.D.			
10) C040	Carbon Disulfide	4.25	76	53916	25.83	ng		100
11) C045	1,1-Dichloroethene	3.90	96	17536	23.58	ng		96
12) C962	T-butyl Methyl Ether	5.28	73	47647	26.71	ng		94
13) C050	1,1-Dichloroethane	6.26	63	44273	24.47	ng		90
14) C057	trans-1,2-dichloroet	5.31	96	21183	22.69	ng		94
15) C056	cis-1,2-Dichloroethe	7.88	96	22656	23.17	ng		86
16) C060	Chloroform	8.91	83	65608	30.61	ng		89
17) C222	Bromochloromethane	8.63	128	10091	21.08	ng	#	85
18) C065	1,2-Dichloroethane	10.30	62	28683	23.83	ng		62
19) C110	2-Butanone	8.16	43	15064	99.87	ng		73
20) C255	Methyl Acetate	4.69	43	3496	10.48	ng		84
21) C291	1,1,2 Trichloro-1,2,	3.86	101	35253	28.87	ng	#	73
22) C256	Cyclohexane	9.22	56	37073	26.91	ng		99
23) C012	Methylcyclohexane	11.88	83	36744	27.05	ng		89
25) C115	1,1,1-Trichloroethan	9.21	97	44870	25.68	ng		98
26) C120	Carbon Tetrachloride	9.59	117	37281	23.69	ng		92
27) C150	Trichloroethene	11.60	95	28913	25.85	ng		91
28) C130	Bromodichloromethane	12.69	83	42296	23.86	ng		88
29) C140	1,2-Dichloropropane	12.09	63	26134	24.98	ng		96

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3987.D
Acq On : 28 Jan 2004 11:56
Sample : VSTD001
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 12:30 19104

Vial: 5
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.48	75	36867	23.41	ng		89
31)	C165	Benzene	10.15	78	70163	26.62	ng		95
32)	C155	Dibromochloromethane	15.44	129	28912	22.17	ng		96
33)	C170	trans-1,3-Dichloropr	14.50	75	29372	22.13	ng		88
34)	C160	1,1,2-Trichloroethan	14.80	83	17006	23.63	ng		98
35)	C220	Tetrachloroethene	14.90	166	34715	26.45	ng	#	93
36)	C163	1,2-Dibromoethane	15.59	109	23750	23.31	ng		91
37)	C210	4-Methyl-2-Pentanone	13.79	43	83559	132.33	ng	#	70
38)	C215	2-Hexanone	15.23	43	51994	120.72	ng		91
39)	C230	Toluene	14.00	91	83465	26.71	ng		96
40)	C235	Chlorobenzene	16.35	112	66732	26.37	ng		95
41)	C240	Ethylbenzene	16.51	91	104260	25.58	ng		100
42)	C246	m,p-Xylene	16.71	106	90131	52.96	ng		88
43)	C247	o-Xylene	17.34	106	40325	24.78	ng		92
44)	C245	Styrene	17.38	104	61001	22.99	ng		95
46)	C966	Isopropylbenzene	17.91	105	115374	25.10	ng		98
47)	C225	1,1,2,2-Tetrachloroe	18.48	83	28266	23.14	ng		87
49)	C180	Bromoform	17.71	173	15408	19.29	ng		88
50)	C260	1,3-Dichlorobenzene	19.85	146	69098	28.36	ng		97
51)	C267	1,4-Dichlorobenzene	19.99	146	70163	27.20	ng		98
52)	C249	1,2-Dichlorobenzene	20.56	146	61042	25.82	ng		92
53)	C286	1,2-Dibromo-3-Chloro	21.79	75	4338	16.48	ng	#	75
54)	C313	1,2,4-Trichlorobenze	22.98	180	33152	21.04	ng		89

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3986.D Vial: 4
Acq On : 28 Jan 2004 11:23 Operator: PC
Sample : VSTD002 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:53 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.15	114	375911	125.00	ng	0.01 100.91%
24) CI20	D5-Chlorobenzene	16.33	117	359138	125.00	ng	0.00 100.16%
48) CI30	D4-1,4-Dichlorobenze	19.96	152	228269	125.00	ng	0.00 97.57%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.19	174	74015	53.12	ng	-0.01
Spiked Amount	125.000	Range	80 - 120	Recovery	=	42.50%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.89	85	42693	46.79	ng	97
3) C010	Chloromethane	2.15	50	33074	51.50	ng	91
4) C015	Bromomethane	2.68	94	26716	46.53	ng	94
5) C020	Vinyl Chloride	2.25	62	37991	49.36	ng	98
6) C025	Chloroethane	2.80	64	25076	42.48	ng	94
7) C275	Trichlorotrifluorome	3.13	101	87793	51.79	ng	98
8) C030	Methylene Chloride	4.83	84	51896	57.53	ng	91
9) C035	Acetone	4.14	43	16232	204.89	ng	83
10) C040	Carbon Disulfide	4.24	76	111562	49.76	ng	100
11) C045	1,1-Dichloroethene	3.90	96	44738	56.00	ng	93
12) C962	T-butyl Methyl Ether	5.29	73	98972	51.66	ng	91
13) C050	1,1-Dichloroethane	6.28	63	104510	53.79	ng	95
14) C057	trans-1,2-dichloroet	5.29	96	54198	54.05	ng	93
15) C056	cis-1,2-Dichloroethe	7.89	96	54645	52.03	ng	93
16) C060	Chloroform	8.93	83	134162	58.28	ng	98
17) C222	Bromochloromethane	8.64	128	26227	51.00	ng #	86
18) C065	1,2-Dichloroethane	10.31	62	64219	49.68	ng	67
19) C110	2-Butanone	8.13	43	36700	226.54	ng	65
20) C255	Methyl Acetate	4.68	43	12826	35.79	ng	87
21) C291	1,1,2 Trichloro-1,2,	3.89	101	72977	55.64	ng	82
22) C256	Cyclohexane	9.25	56	73674	49.79	ng	99
23) C012	Methylcyclohexane	11.88	83	76952	52.74	ng	93
25) C115	1,1,1-Trichloroethan	9.23	97	106784	54.73	ng	94
26) C120	Carbon Tetrachloride	9.61	117	92345	52.55	ng	100
27) C150	Trichloroethene	11.63	95	69265	55.45	ng	97
28) C130	Bromodichloromethane	12.73	83	100652	50.84	ng	92
29) C140	1,2-Dichloropropane	12.10	63	64980	55.61	ng	96

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3986.D Vial: 4
Acq On : 28 Jan 2004 11:23 Operator: PC
Sample : VSTD002 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:53 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.51	75	86814	49.36	ng		97
31)	C165	Benzene	10.16	78	161706	54.95	ng		94
32)	C155	Dibromochloromethane	15.46	129	72719	49.95	ng		94
33)	C170	trans-1,3-Dichloropr	14.53	75	71360	48.15	ng		99
34)	C160	1,1,2-Trichloroethan	14.83	83	42194	52.50	ng		99
35)	C220	Tetrachloroethene	14.93	166	84286	57.50	ng		95
36)	C163	1,2-Dibromoethane	15.60	109	56028	49.26	ng		89
37)	C210	4-Methyl-2-Pentanone	13.83	43	173876	246.60	ng	#	73
38)	C215	2-Hexanone	15.24	43	109454	227.57	ng		94
39)	C230	Toluene	14.03	91	190434	54.58	ng		95
40)	C235	Chlorobenzene	16.38	112	152334	53.91	ng		99
41)	C240	Ethylbenzene	16.54	91	247853	54.45	ng		96
42)	C246	m,p-Xylene	16.73	106	204683	107.70	ng		94
43)	C247	o-Xylene	17.35	106	98786	54.37	ng	#	87
44)	C245	Styrene	17.40	104	149116	50.32	ng		93
46)	C966	Isopropylbenzene	17.91	105	281492	54.85	ng		99
47)	C225	1,1,2,2-Tetrachloroe	18.50	83	68071	49.91	ng	#	79
49)	C180	Bromoform	17.74	173	42848	47.25	ng		97
50)	C260	1,3-Dichlorobenzene	19.86	146	159877	57.81	ng		96
51)	C267	1,4-Dichlorobenzene	20.00	146	163491	55.82	ng		98
52)	C249	1,2-Dichlorobenzene	20.58	146	139830	52.10	ng		98
53)	C286	1,2-Dibromo-3-Chloro	21.81	75	12167	40.71	ng		94
54)	C313	1,2,4-Trichlorobenze	23.01	180	114328	63.91	ng		90

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D Vial: 3
Acq On : 28 Jan 2004 10:51 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:22 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.14	114	372506	125.00	ng		0.00 100.00%
24) CI20	D5-Chlorobenzene	16.33	117	358565	125.00	ng		0.00 100.00%
48) CI30	D4-1,4-Dichlorobenze	19.96	152	233945	125.00	ng		0.00 100.00%
System Monitoring Compounds								
45) CS10	p-Bromofluorobenzene	18.20	174	173889	125.00	ng		0.00
Spiked Amount	125.000	Range	80 - 120	Recovery =	100.00%			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.88	85	113030	125.00	ng		99
3) C010	Chloromethane	2.14	50	79557	125.00	ng		91
4) C015	Bromomethane	2.68	94	71125	125.00	ng		99
5) C020	Vinyl Chloride	2.25	62	95333	125.00	ng		98
6) C025	Chloroethane	2.80	64	73124	125.00	ng		95
7) C275	Trichlorotrifluorome	3.13	101	209962	125.00	ng		94
8) C030	Methylene Chloride	4.81	84	111731	125.00	ng		90
9) C035	Acetone	4.11	43	49066	625.00	ng		91
10) C040	Carbon Disulfide	4.24	76	277697	125.00	ng		100
11) C045	1,1-Dichloroethene	3.90	96	98959	125.00	ng		99
12) C962	T-butyl Methyl Ether	5.28	73	237309	125.00	ng		84
13) C050	1,1-Dichloroethane	6.28	63	240668	125.00	ng		96
14) C057	trans-1,2-dichloroet	5.29	96	124202	125.00	ng		94
15) C056	cis-1,2-Dichloroethe	7.89	96	130094	125.00	ng		96
16) C060	Chloroform	8.93	83	285142	125.00	ng		99
17) C222	Bromochloromethane	8.63	128	63694	125.00	ng	#	89
18) C065	1,2-Dichloroethane	10.33	62	160114	125.00	ng		60
19) C110	2-Butanone	8.11	43	100334	625.00	ng		87
20) C255	Methyl Acetate	4.65	43	44388	125.00	ng		83
21) C291	1,1,2 Trichloro-1,2,	3.88	101	162470	125.00	ng		91
22) C256	Cyclohexane	9.25	56	183285	125.00	ng		91
23) C012	Methylcyclohexane	11.88	83	180737	125.00	ng		88
25) C115	1,1,1-Trichloroethan	9.20	97	243514	125.00	ng		98
26) C120	Carbon Tetrachloride	9.60	117	219326	125.00	ng		94
27) C150	Trichloroethene	11.61	95	155891	125.00	ng		90
28) C130	Bromodichloromethane	12.71	83	247082	125.00	ng		100
29) C140	1,2-Dichloropropane	12.10	63	145817	125.00	ng		99

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D Vial: 3
Acq On : 28 Jan 2004 10:51 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:22 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.50	75	219515	125.00	ng		100
31)	C165	Benzene	10.15	78	367290	125.00	ng		99
32)	C155	Dibromochloromethane	15.46	129	181706	125.00	ng		99
33)	C170	trans-1,3-Dichloropr	14.51	75	184960	125.00	ng		100
34)	C160	1,1,2-Trichloroethan	14.81	83	100301	125.00	ng		95
35)	C220	Tetrachloroethene	14.93	166	182941	125.00	ng	#	93
36)	C163	1,2-Dibromoethane	15.60	109	141961	125.00	ng		93
37)	C210	4-Methyl-2-Pentanone	13.80	43	439985	625.00	ng	#	76
38)	C215	2-Hexanone	15.24	43	300121	625.00	ng		99
39)	C230	Toluene	14.03	91	435430	125.00	ng		96
40)	C235	Chlorobenzene	16.38	112	352634	125.00	ng		95
41)	C240	Ethylbenzene	16.54	91	568101	125.00	ng		100
42)	C246	m,p-Xylene	16.73	106	474359	250.00	ng		95
43)	C247	o-Xylene	17.36	106	226748	125.00	ng	#	84
44)	C245	Styrene	17.40	104	369821	125.00	ng		93
46)	C966	Isopropylbenzene	17.93	105	640493	125.00	ng		98
47)	C225	1,1,2,2-Tetrachloroe	18.50	83	170207	125.00	ng		87
49)	C180	Bromoform	17.74	173	116185	125.00	ng		99
50)	C260	1,3-Dichlorobenzene	19.86	146	354299	125.00	ng		95
51)	C267	1,4-Dichlorobenzene	20.01	146	375182	125.00	ng		96
52)	C249	1,2-Dichlorobenzene	20.58	146	343853	125.00	ng		95
53)	C286	1,2-Dibromo-3-Chloro	21.81	75	38285	125.00	ng		92
54)	C313	1,2,4-Trichlorobenze	23.01	180	229164	125.00	ng		96

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3984.D Vial: 2
Acq On : 28 Jan 2004 10:19 Operator: PC
Sample : VSTD010 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:21 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards			R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1)	CI10	1,4-Difluorobenzene	11.14	114	357356	125.00	ng		0.00 95.93%
24)	CI20	D5-Chlorobenzene	16.33	117	346684	125.00	ng		0.00 96.69%
48)	CI30	D4-1,4-Dichlorobenze	19.96	152	242332	125.00	ng		0.00 103.59%
System Monitoring Compounds									
45)	CS10	p-Bromofluorobenzene	18.19	174	361609	268.85	ng		-0.01
Spiked Amount 125.000 Range 80 - 120 Recovery = 215.08%#									
Target Compounds									Qvalue
2)	C290	Dichlorodifluorometh	1.89	85	220594	254.30	ng		100
3)	C010	Chloromethane	2.14	50	157711	258.30	ng		98
4)	C015	Bromomethane	2.68	94	147207	269.68	ng		99
5)	C020	Vinyl Chloride	2.25	62	184149	251.69	ng		99
6)	C025	Chloroethane	2.80	64	134573	239.80	ng		99
7)	C275	Trichlorotrifluorome	3.13	101	424768	263.60	ng		100
8)	C030	Methylene Chloride	4.81	84	222313	259.26	ng	#	85
9)	C035	Acetone	4.13	43	106844	1418.67	ng		84
10)	C040	Carbon Disulfide	4.24	76	590659	277.15	ng		100
11)	C045	1,1-Dichloroethene	3.90	96	205275	270.29	ng		99
12)	C962	T-butyl Methyl Ether	5.30	73	491040	269.62	ng		88
13)	C050	1,1-Dichloroethane	6.29	63	475732	257.56	ng		98
14)	C057	trans-1,2-dichloroet	5.31	96	258994	271.71	ng		98
15)	C056	cis-1,2-Dichloroethe	7.91	96	271670	272.10	ng		99
16)	C060	Chloroform	8.94	83	565975	258.63	ng		95
17)	C222	Bromochloromethane	8.65	128	135840	277.89	ng		90
18)	C065	1,2-Dichloroethane	10.33	62	315745	256.95	ng		58
19)	C110	2-Butanone	8.10	43	233412	1515.61	ng		80
20)	C255	Methyl Acetate	4.66	43	89348	262.28	ng		95
21)	C291	1,1,2 Trichloro-1,2,	3.86	101	356431	285.85	ng		84
22)	C256	Cyclohexane	9.25	56	378074	268.78	ng		95
23)	C012	Methylcyclohexane	11.88	83	383201	276.26	ng		93
25)	C115	1,1,1-Trichloroethan	9.21	97	505361	268.30	ng		97
26)	C120	Carbon Tetrachloride	9.60	117	449426	264.92	ng		95
27)	C150	Trichloroethene	11.61	95	321864	266.93	ng		91
28)	C130	Bromodichloromethane	12.71	83	507296	265.44	ng		97
29)	C140	1,2-Dichloropropane	12.09	63	291212	258.19	ng		98

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3984.D Vial: 2
Acq On : 28 Jan 2004 10:19 Operator: PC
Sample : VSTD010 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:21 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.51	75	435473	256.47	ng		98
31)	C165	Benzene	10.16	78	735256	258.81	ng		100
32)	C155	Dibromochloromethane	15.45	129	395155	281.15	ng		97
33)	C170	trans-1,3-Dichloropr	14.51	75	387400	270.79	ng		98
34)	C160	1,1,2-Trichloroethan	14.83	83	208325	268.52	ng		98
35)	C220	Tetrachloroethene	14.93	166	381499	269.60	ng		92
36)	C163	1,2-Dibromoethane	15.60	109	290280	264.36	ng		93
37)	C210	4-Methyl-2-Pentanone	13.80	43	877532	1289.26	ng	#	77
38)	C215	2-Hexanone	15.23	43	622018	1339.74	ng		92
39)	C230	Toluene	14.01	91	873581	259.38	ng		95
40)	C235	Chlorobenzene	16.36	112	704261	258.20	ng		99
41)	C240	Ethylbenzene	16.54	91	1148297	261.32	ng		97
42)	C246	m,p-Xylene	16.73	106	960776	523.71	ng		93
43)	C247	o-Xylene	17.35	106	470373	268.19	ng	#	85
44)	C245	Styrene	17.39	104	768381	268.61	ng		100
46)	C966	Isopropylbenzene	17.91	105	1321402	266.73	ng		99
47)	C225	1,1,2,2-Tetrachloroe	18.49	83	348662	264.83	ng		91
49)	C180	Bromoform	17.73	173	257828	267.79	ng		96
50)	C260	1,3-Dichlorobenzene	19.86	146	736046	250.70	ng		96
51)	C267	1,4-Dichlorobenzene	20.00	146	766805	246.64	ng		98
52)	C249	1,2-Dichlorobenzene	20.57	146	688190	241.52	ng		97
53)	C286	1,2-Dibromo-3-Chloro	21.81	75	86003	271.08	ng		92
54)	C313	1,2,4-Trichlorobenze	23.01	180	446689	235.22	ng		97

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3983.D Vial: 1
Acq On : 28 Jan 2004 09:47 Operator: PC
Sample : VSTD025 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:21 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.10	114	310753	125.00	ng		-0.04 83.42%
24) CI20	D5-Chlorobenzene	16.33	117	322803	125.00	ng		0.00 90.03%
48) CI30	D4-1,4-Dichlorobenze	19.96	152	236261	125.00	ng		0.00 100.99%
System Monitoring Compounds								
45) CS10	p-Bromofluorobenzene	18.19	174	929400	742.11	ng		-0.01
Spiked Amount	125.000	Range	80 - 120		Recovery =		593.69%#	
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.88	85	519122	688.18	ng		97
3) C010	Chloromethane	2.14	50	334535	630.07	ng		100
4) C015	Bromomethane	2.66	94	360683	759.86	ng		94
5) C020	Vinyl Chloride	2.24	62	413444	649.83	ng		97
6) C025	Chloroethane	2.78	64	322462	660.76	ng		95
7) C275	Trichlorotrifluorome	3.10	101	1307600	933.17	ng		97
8) C030	Methylene Chloride	4.78	84	458236	614.53	ng	#	86
9) C035	Acetone	4.08	43	251408	3838.81	ng		85
10) C040	Carbon Disulfide	4.20	76	1293403	697.90	ng		100
11) C045	1,1-Dichloroethene	3.86	96	466499	706.36	ng		97
12) C962	T-butyl Methyl Ether	5.24	73	1038257	655.57	ng		90
13) C050	1,1-Dichloroethane	6.21	63	1085316	675.72	ng		99
14) C057	trans-1,2-dichloroet	5.25	96	542975	655.06	ng		98
15) C056	cis-1,2-Dichloroethe	7.84	96	633086	729.18	ng		97
16) C060	Chloroform	8.88	83	1350093	709.46	ng		97
17) C222	Bromochloromethane	8.57	128	325361	765.41	ng	#	87
18) C065	1,2-Dichloroethane	10.29	62	801828	750.38	ng		58
19) C110	2-Butanone	8.00	43	529960	3957.24	ng		88
20) C255	Methyl Acetate	4.60	43	183481	619.37	ng		99
21) C291	1,1,2 Trichloro-1,2,	3.83	101	769853	710.01	ng		82
22) C256	Cyclohexane	9.19	56	866005	707.98	ng		93
23) C012	Methylcyclohexane	11.85	83	883331	732.33	ng		95
25) C115	1,1,1-Trichloroethan	9.16	97	1275860	727.48	ng		97
26) C120	Carbon Tetrachloride	9.54	117	1146745	725.97	ng		96
27) C150	Trichloroethene	11.59	95	760587	677.44	ng	#	82
28) C130	Bromodichloromethane	12.69	83	1288329	723.98	ng		96
29) C140	1,2-Dichloropropane	12.06	63	727193	692.44	ng		99

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3983.D Vial: 1
Acq On : 28 Jan 2004 09:47 Operator: PC
Sample : VSTD025 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 11:21 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.49	75	1109592	701.84	ng		98
31)	C165	Benzene	10.11	78	1794485	678.38	ng		99
32)	C155	Dibromochloromethane	15.45	129	1030976	787.81	ng		100
33)	C170	trans-1,3-Dichloropr	14.50	75	999007	749.95	ng		98
34)	C160	1,1,2-Trichloroethan	14.81	83	519169	718.69	ng		98
35)	C220	Tetrachloroethene	14.91	166	1004915	762.71	ng		95
36)	C163	1,2-Dibromoethane	15.59	109	719069	703.30	ng		99
37)	C210	4-Methyl-2-Pentanone	13.79	43	2031510	3205.47	ng	#	76
38)	C215	2-Hexanone	15.23	43	1465851	3390.81	ng		95
39)	C230	Toluene	14.00	91	2216109	706.66	ng		97
40)	C235	Chlorobenzene	16.36	112	1796925	707.53	ng		99
41)	C240	Ethylbenzene	16.54	91	2914882	712.42	ng		97
42)	C246	m,p-Xylene	16.73	106	2474089	1448.37	ng		93
43)	C247	o-Xylene	17.35	106	1217219	745.36	ng	#	88
44)	C245	Styrene	17.39	104	1977816	742.57	ng		98
46)	C966	Isopropylbenzene	17.93	105	3335062	722.99	ng		98
47)	C225	1,1,2,2-Tetrachloroe	18.50	83	897239	731.93	ng		83
49)	C180	Bromoform	17.73	173	691073	736.22	ng		98
50)	C260	1,3-Dichlorobenzene	19.86	146	2069915	723.13	ng		98
51)	C267	1,4-Dichlorobenzene	20.00	146	2111176	696.49	ng		99
52)	C249	1,2-Dichlorobenzene	20.58	146	1866158	671.75	ng		98
53)	C286	1,2-Dibromo-3-Chloro	21.80	75	248077	802.03	ng		94
54)	C313	1,2,4-Trichlorobenze	23.00	180	1258989	680.00	ng		99

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

LOW CONCENTRATION VOLATILES, 10/92
CONTINUING CALIBRATION CHECK

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4C0000311-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

ab File Id: L3985.RR Calibration Date: 01/28/2004 Time: 10:51

ntrument ID: I50L Init. Calib. Date(s): 01/28/2004 01/28/2004

eated Purge (Y/N): N Init. Calib. Times: 08:49 11:56

C Column: DB-624 ID: 0.53 (mm)

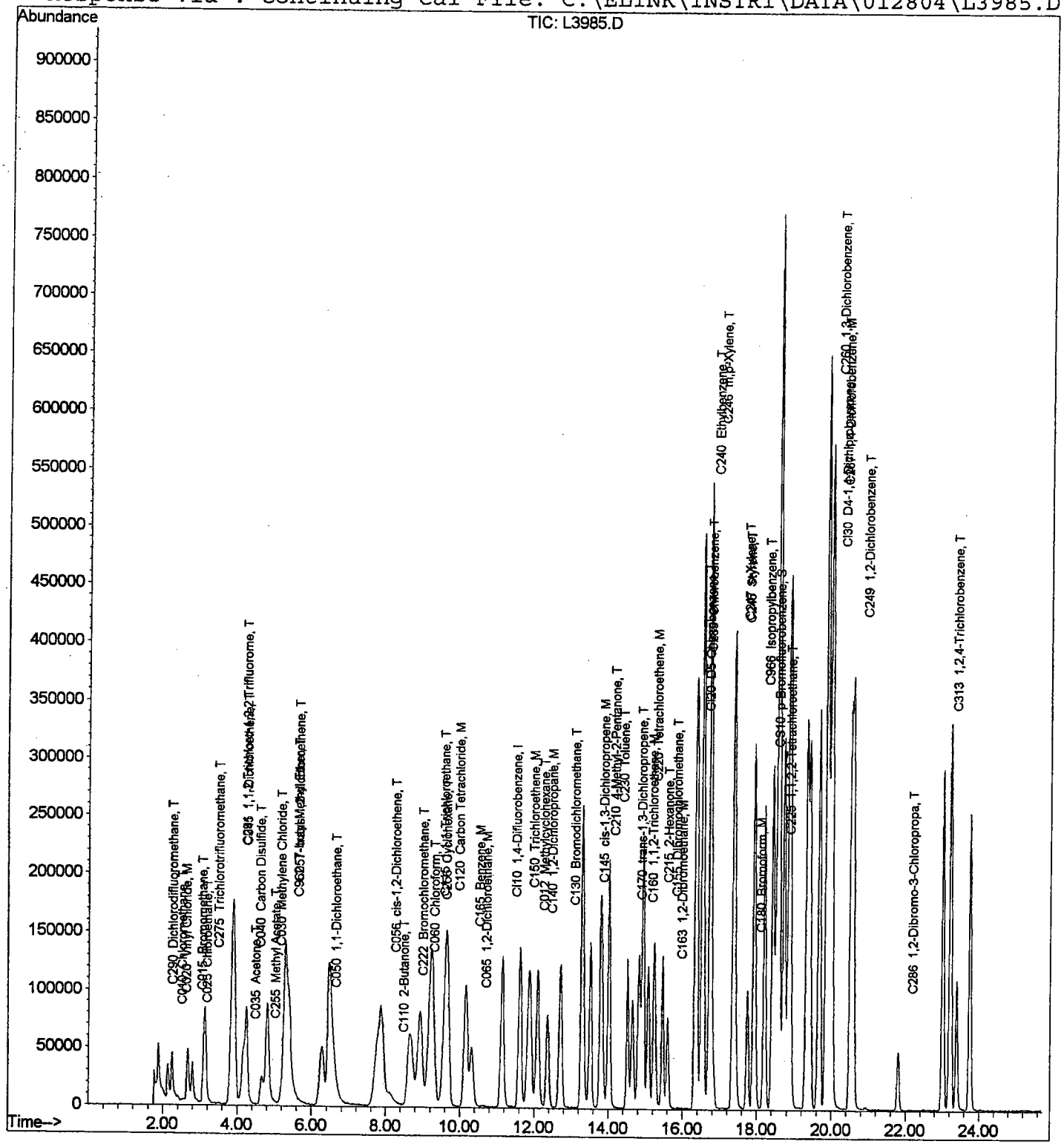
COMPOUND	AVG RRF	RRF5	MIN RRF	% D	MAX % D
Vinyl chloride	0.2660	0.2559	0.1000	3.800	30.00
Chloroethane	0.1930	0.1963	0.0100	-1.700	100.00
1,1-Dichloroethane	0.6680	0.6461	0.2000	3.300	30.00
1,1,1-Trichloroethane	0.7280	0.6791	0.1000	6.700	30.00
Trichloroethene	0.4600	0.4348	0.3000	5.500	30.00
Tetrachloroethene	0.5620	0.5102	0.2000	9.200	30.00
Chlorobenzene	1.0420	0.9835	0.5000	5.600	30.00
1,2-Dichloroethene (Total)	0.3530	0.3413	0.0100	3.300	30.00
p-Bromofluorobenzene	0.5090	0.4850	0.2000	4.700	30.00

Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D
Acq On : 28 Jan 2004 10:51
Sample : VSTD005
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 12:32 19104

Vial: 3
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D Vial: 3
Acq On : 28 Jan 2004 10:51 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 12:32 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.14	114	372506	125.00	ng		0.01 100.00%
24) CI20	D5-Chlorobenzene	16.33	117	358565	125.00	ng		0.01 100.00%
48) CI30	D4-1,4-Dichlorobenze	19.96	152	233945	125.00	ng		0.01 100.00%
System Monitoring Compounds								
45) CS10	p-Bromofluorobenzene	18.20	174	173889	125.00	ng		0.02
Spiked Amount 125.000	Range 80 - 120			Recovery = 100.00%				
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.88	85	113030	125.00	ng		99
3) C010	Chloromethane	2.14	50	79557	125.00	ng		91
4) C015	Bromomethane	2.68	94	71125	125.00	ng		99
5) C020	Vinyl Chloride	2.25	62	95333	125.00	ng		98
6) C025	Chloroethane	2.80	64	73124	125.00	ng		95
7) C275	Trichlorotrifluorome	3.13	101	209962	125.00	ng		94
8) C030	Methylene Chloride	4.81	84	111731	125.00	ng		90
9) C035	Acetone	4.11	43	49066	625.00	ng		91
10) C040	Carbon Disulfide	4.24	76	277697	125.00	ng		100
11) C045	1,1-Dichloroethene	3.90	96	98959	125.00	ng		99
12) C962	T-butyl Methyl Ether	5.28	73	237309	125.00	ng		84
13) C050	1,1-Dichloroethane	6.28	63	240668	125.00	ng		96
14) C057	trans-1,2-dichloroet	5.29	96	124202	125.00	ng		94
15) C056	cis-1,2-Dichloroethe	7.89	96	130094	125.00	ng		96
16) C060	Chloroform	8.93	83	285142	125.00	ng		99
17) C222	Bromochloromethane	8.63	128	63694	125.00	ng	#	89
18) C065	1,2-Dichloroethane	10.33	62	160114	125.00	ng		60
19) C110	2-Butanone	8.11	43	103133	642.44	ng		87
20) C255	Methyl Acetate	4.65	43	44388	125.00	ng		83
21) C291	1,1,2 Trichloro-1,2,	3.88	101	162470	125.00	ng		91
22) C256	Cyclohexane	9.25	56	183285	125.00	ng		91
23) C012	Methylcyclohexane	11.88	83	180737	125.00	ng		88
25) C115	1,1,1-Trichloroethan	9.20	97	243514	125.00	ng		98
26) C120	Carbon Tetrachloride	9.60	117	219326	125.00	ng		94
27) C150	Trichloroethene	11.61	95	155891	125.00	ng		90
28) C130	Bromodichloromethane	12.71	83	247082	125.00	ng		100
29) C140	1,2-Dichloropropane	12.10	63	145817	125.00	ng		99

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

Data File : C:\ELINK\INSTR1\DATA\012804\L3985.D
Acq On : 28 Jan 2004 10:51
Sample : VSTD005
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 12:32 19104

Vial: 3
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.50	75	219515	125.00	ng		100
31)	C165	Benzene	10.15	78	367290	125.00	ng		99
32)	C155	Dibromochloromethane	15.46	129	181706	125.00	ng		99
33)	C170	trans-1,3-Dichloropr	14.51	75	184960	125.00	ng		100
34)	C160	1,1,2-Trichloroethan	14.81	83	100301	125.00	ng		95
35)	C220	Tetrachloroethene	14.93	166	182941	125.00	ng	#	93
36)	C163	1,2-Dibromoethane	15.60	109	141961	125.00	ng		93
37)	C210	4-Methyl-2-Pentanone	13.80	43	439985	625.00	ng	#	76
38)	C215	2-Hexanone	15.24	43	300121	625.00	ng		99
39)	C230	Toluene	14.03	91	435430	125.00	ng		96
40)	C235	Chlorobenzene	16.38	112	352634	125.00	ng		95
41)	C240	Ethylbenzene	16.54	91	568101	125.00	ng		100
42)	C246	m,p-Xylene	16.73	106	474359	250.00	ng		95
43)	C247	o-Xylene	17.36	106	226748	125.00	ng	#	84
44)	C245	Styrene	17.40	104	369821	125.00	ng		93
46)	C966	Isopropylbenzene	17.93	105	640493	125.00	ng		98
47)	C225	1,1,2,2-Tetrachloroe	18.50	83	170207	125.00	ng		87
49)	C180	Bromoform	17.74	173	116185	125.00	ng		99
50)	C260	1,3-Dichlorobenzene	19.86	146	354299	125.00	ng		95
51)	C267	1,4-Dichlorobenzene	20.01	146	375182	125.00	ng		96
52)	C249	1,2-Dichlorobenzene	20.58	146	343853	125.00	ng		95
53)	C286	1,2-Dibromo-3-Chloro	21.81	75	38285	125.00	ng		92
54)	C313	1,2,4-Trichlorobenze	23.01	180	229164	125.00	ng		96

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

LOW CONCENTRATION VOLATILES, 10/92
CONTINUING CALIBRATION CHECK

200/401

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4C0000312-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

ab File Id: L4012.RR Calibration Date: 01/28/2004 Time: 21:35

ntrument ID: I50L _____ Init. Calib. Date(s): 01/28/2004 01/28/2004

eated Purge (Y/N): N Init. Calib. Times: 08:49 11:56

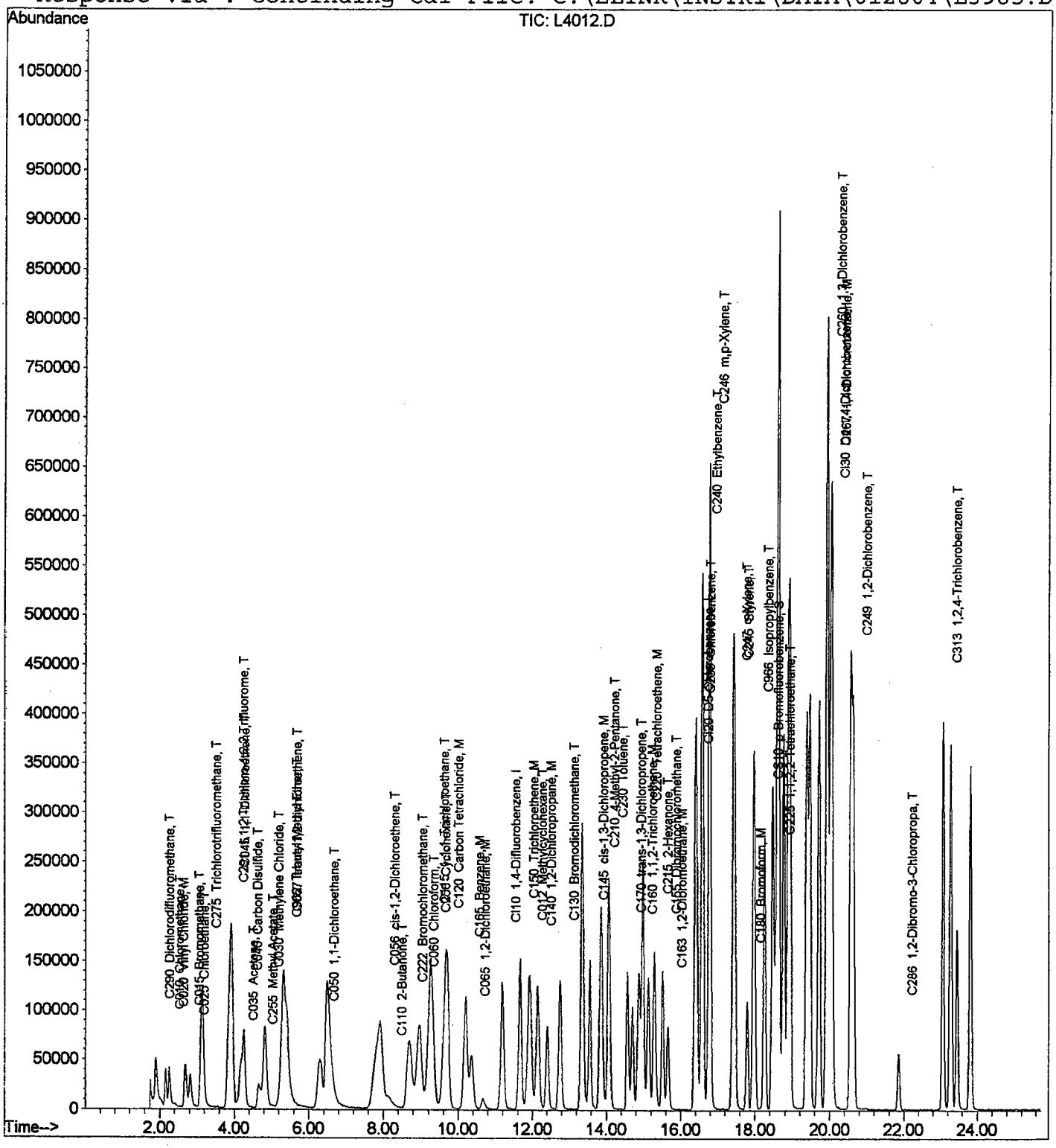
C Column: DB-624 ID: 0.53 (mm)

COMPOUND	AVG RRF	RRF5	MIN RRF	% D	MAX % D
Vinyl chloride	0.2660	0.2823	0.1000	-6.100	30.00
Chloroethane	0.1930	0.2246	0.0100	-16.400	100.00
1,1-Dichloroethane	0.6680	0.6589	0.2000	1.400	30.00
1,1,1-Trichloroethane	0.7280	0.7263	0.1000	0.200	30.00
Trichloroethene	0.4600	0.4574	0.3000	0.600	30.00
Tetrachloroethene	0.5620	0.5724	0.2000	-1.800	30.00
Chlorobenzene	1.0420	1.0656	0.5000	-2.300	30.00
1,2-Dichloroethene (Total)	0.3530	0.3461	0.0100	2.000	30.00
p-Bromofluorobenzene	0.5090	0.4830	0.2000	5.100	30.00

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4012.D Vial: 2
Acq On : 28 Jan 2004 21:35 Operator: CDC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 22:07 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4012.D Vial: 2
Acq On : 28 Jan 2004 21:35 Operator: CDC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 22:07 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.18	114	361537	125.00	ng		0.04 97.06%
24) CI20	D5-Chlorobenzene	16.38	117	358927	125.00	ng		0.05 100.10%
48) CI30	D4-1,4-Dichlorobenze	20.03	152	247567	125.00	ng		0.06 105.82%
System Monitoring Compounds								
45) CS10	p-Bromofluorobenzene	18.25	174	173346	124.48	ng		0.05
Spiked Amount	125.000	Range	80 - 120	Recovery	=	99.58%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.90	85	120956	137.82	ng		97
3) C010	Chloromethane	2.16	50	87507	141.66	ng		99
4) C015	Bromomethane	2.69	94	77806	140.89	ng		97
5) C020	Vinyl Chloride	2.26	62	102048	137.86	ng		95
6) C025	Chloroethane	2.83	64	81195	143.01	ng		97
7) C275	Trichlorotrifluorome	3.14	101	309860	190.07	ng		98
8) C030	Methylene Chloride	4.83	84	105570	121.69	ng	#	87
9) C035	Acetone	4.14	43	47516	623.62	ng		92
10) C040	Carbon Disulfide	4.26	76	265118	122.96	ng		100
11) C045	1,1-Dichloroethene	3.91	96	103805	135.10	ng		99
12) C962	T-butyl Methyl Ether	5.30	73	238379	129.37	ng		91
13) C050	1,1-Dichloroethane	6.30	63	238223	127.48	ng		100
14) C057	trans-1,2-dichloroet	5.31	96	118615	123.00	ng		97
15) C056	cis-1,2-Dichloroethe	7.93	96	131680	130.36	ng		95
16) C060	Chloroform	8.96	83	299919	135.47	ng		97
17) C222	Bromochloromethane	8.68	128	68275	138.06	ng	#	90
18) C065	1,2-Dichloroethane	10.35	62	168413	135.47	ng		63
19) C110	2-Butanone	8.13	43	115901	723.69	ng		75
20) C255	Methyl Acetate	4.66	43	39509	114.64	ng		95
21) C291	1,1,2 Trichloro-1,2,	3.88	101	183457	145.43	ng		85
22) C256	Cyclohexane	9.29	56	199182	139.96	ng		95
23) C012	Methylcyclohexane	11.90	83	206491	147.14	ng		87
25) C115	1,1,1-Trichloroethan	9.25	97	260700	133.69	ng		95
26) C120	Carbon Tetrachloride	9.64	117	233155	132.75	ng		97
27) C150	Trichloroethene	11.66	95	164190	131.52	ng		88
28) C130	Bromodichloromethane	12.75	83	260723	131.77	ng		100
29) C140	1,2-Dichloropropane	12.14	63	154046	131.92	ng		100

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

Data File : C:\ELINK\INSTR1\DATA\012804\L4012.D Vial: 2
Acq On : 28 Jan 2004 21:35 Operator: CDC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 22:07 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.55	75	233255	132.69	ng		100
31)	C165	Benzene	10.20	78	389513	132.43	ng		96
32)	C155	Dibromochloromethane	15.50	129	198887	136.68	ng		95
33)	C170	trans-1,3-Dichloropr	14.56	75	193668	130.75	ng		95
34)	C160	1,1,2-Trichloroethan	14.86	83	109809	136.71	ng		98
35)	C220	Tetrachloroethene	14.98	166	205432	140.23	ng		94
36)	C163	1,2-Dibromoethane	15.65	109	151201	133.00	ng		98
37)	C210	4-Methyl-2-Pentanone	13.85	43	490247	695.69	ng	#	73
38)	C215	2-Hexanone	15.28	43	334860	696.64	ng		95
39)	C230	Toluene	14.06	91	465613	133.53	ng		97
40)	C235	Chlorobenzene	16.43	112	382461	135.44	ng		98
41)	C240	Ethylbenzene	16.59	91	614918	135.16	ng		98
42)	C246	m,p-Xylene	16.78	106	515592	271.46	ng		95
43)	C247	o-Xylene	17.40	106	250814	138.13	ng	#	82
44)	C245	Styrene	17.45	104	405890	137.05	ng		94
46)	C966	Isopropylbenzene	17.98	105	705635	137.57	ng		97
47)	C225	1,1,2,2-Tetrachloroe	18.55	83	188636	138.39	ng	#	80
49)	C180	Bromoform	17.79	173	124155	126.22	ng		93
50)	C260	1,3-Dichlorobenzene	19.91	146	403505	134.53	ng		96
51)	C267	1,4-Dichlorobenzene	20.05	146	426034	134.13	ng		97
52)	C249	1,2-Dichlorobenzene	20.63	146	368694	126.66	ng		95
53)	C286	1,2-Dibromo-3-Chloro	21.85	75	41355	127.59	ng		92
54)	C313	1,2,4-Trichlorobenze	23.06	180	313313	161.50	ng		97

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

LOW CONCENTRATION VOLATILES, 10/92
CONTINUING CALIBRATION CHECK

204/401

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4C0000313-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

ab File Id: L4027.RR Calibration Date: 01/29/2004 Time: 09:29

ntrument ID: I50L Init. Calib. Date(s): 01/28/2004 01/28/2004

eated Purge (Y/N): N Init. Calib. Times: 08:49 11:56

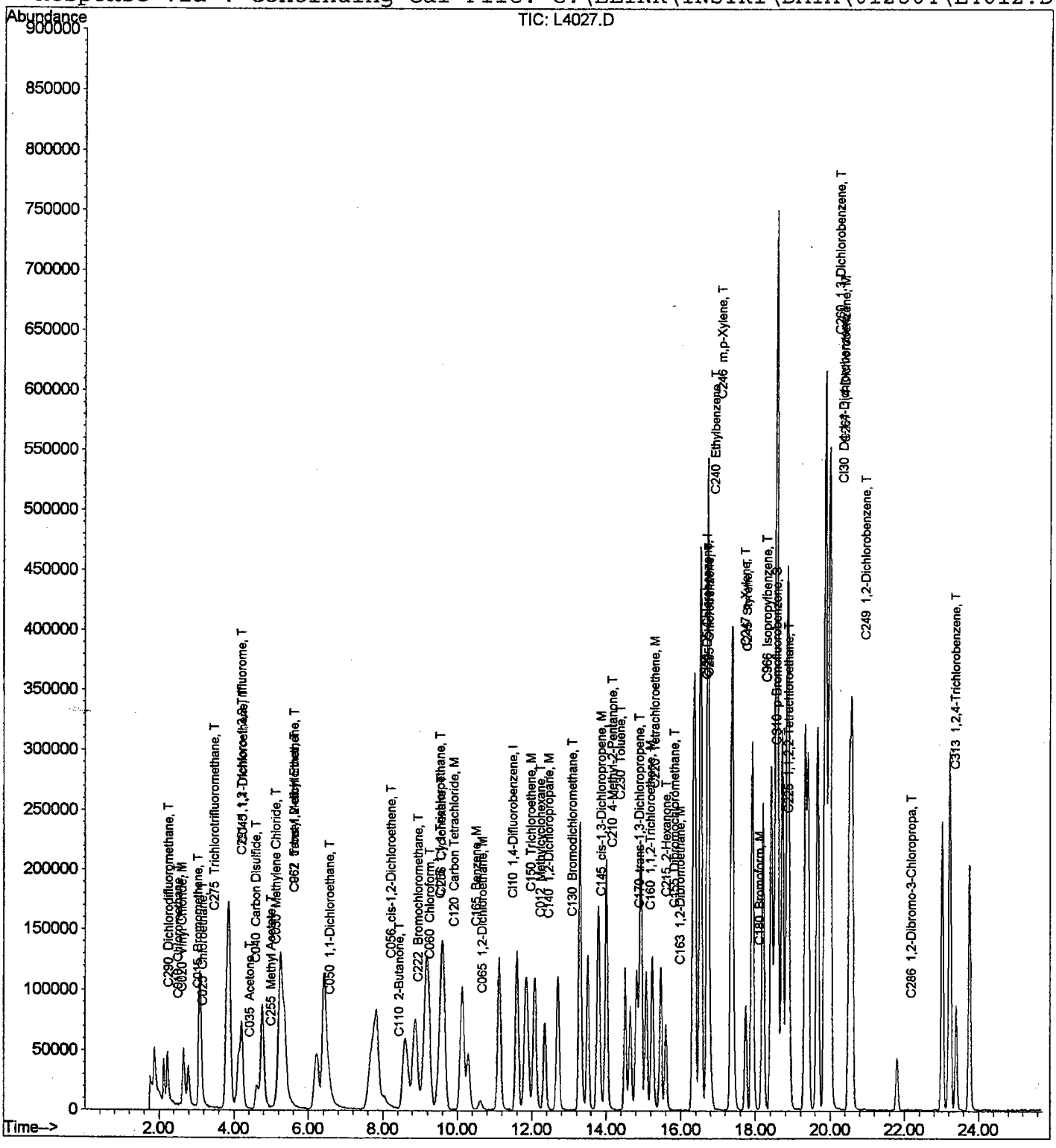
C Column: DB-624 ID: 0.53 (mm)

COMPOUND	AVG RRF	RRF5	MIN RRF	% D	MAX % D
Vinyl chloride	0.2660	0.2611	0.1000	1.800	30.00
Chloroethane	0.1930	0.2016	0.0100	-4.400	100.00
1,1-Dichloroethane	0.6680	0.6186	0.2000	7.400	30.00
1,1,1-Trichloroethane	0.7280	0.6668	0.1000	8.400	30.00
Trichloroethene	0.4600	0.4244	0.3000	7.700	30.00
Tetrachloroethene	0.5620	0.5318	0.2000	5.400	30.00
Chlorobenzene	1.0420	0.9498	0.5000	8.800	30.00
1,2-Dichloroethene (Total)	0.3530	0.3308	0.0100	6.300	30.00
p-Bromofluorobenzene	0.5090	0.4904	0.2000	3.600	30.00

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4027.D Vial: 1
Acq On : 29 Jan 2004 09:29 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 9:58 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4027.D Vial: 1
Acq On : 29 Jan 2004 09:29 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 9:58 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.11	114	366569	125.00	ng		-0.06 101.39%
24) CI20	D5-Chlorobenzene	16.32	117	347672	125.00	ng		-0.05 96.86%
48) CI30	D4-1,4-Dichlorobenze	19.96	152	229760	125.00	ng		-0.06 92.81%
System Monitoring Compounds								
45) CS10	p-Bromofluorobenzene	18.19	174	170507	126.93	ng		-0.06
Spiked Amount	125.000	Range	80 - 120		Recovery =	101.54%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.88	85	108754	110.85	ng		98
3) C010	Chloromethane	2.14	50	82482	116.20	ng		95
4) C015	Bromomethane	2.66	94	77456	122.73	ng		97
5) C020	Vinyl Chloride	2.24	62	95711	115.63	ng		88
6) C025	Chloroethane	2.79	64	73907	112.22	ng		100
7) C275	Trichlorotrifluorome	3.10	101	277681	110.48	ng		99
8) C030	Methylene Chloride	4.76	84	112046	130.85	ng		87
9) C035	Acetone	4.05	43	41864	543.10	ng		91
10) C040	Carbon Disulfide	4.21	76	246282	114.53	ng		100
11) C045	1,1-Dichloroethene	3.86	96	101343	120.36	ng	#	85
12) C962	T-butyl Methyl Ether	5.25	73	216956	112.20	ng		91
13) C050	1,1-Dichloroethane	6.20	63	226766	117.35	ng		94
14) C057	trans-1,2-dichloroet	5.25	96	115602	120.15	ng	#	87
15) C056	cis-1,2-Dichloroethe	7.84	96	126939	118.85	ng		94
16) C060	Chloroform	8.88	83	273681	112.50	ng		98
17) C222	Bromochloromethane	8.57	128	61995	111.94	ng	#	88
18) C065	1,2-Dichloroethane	10.29	62	145439	106.47	ng		59
19) C110	2-Butanone	8.05	43	97907	520.72	ng		79
20) C255	Methyl Acetate	4.63	43	34736	108.39	ng		86
21) C291	1,1,2 Trichloro-1,2,	3.84	101	166394	111.82	ng		80
22) C256	Cyclohexane	9.19	56	174274	107.87	ng		98
23) C012	Methylcyclohexane	11.85	83	176156	105.17	ng		87
25) C115	1,1,1-Trichloroethan	9.16	97	231812	114.75	ng		96
26) C120	Carbon Tetrachloride	9.54	117	209332	115.86	ng		99
27) C150	Trichloroethene	11.60	95	147538	115.96	ng		86
28) C130	Bromodichloromethane	12.70	83	226364	112.04	ng		98
29) C140	1,2-Dichloropropane	12.08	63	142060	119.01	ng		94

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

Data File : C:\ELINK\INSTR1\DATA\012904\L4027.D
Acq On : 29 Jan 2004 09:29
Sample : VSTD005
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 9:58 19104

Vial: 1
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.50	75	203679	112.68	ng		99
31)	C165	Benzene	10.13	78	357603	118.47	ng		97
32)	C155	Dibromochloromethane	15.45	129	166582	108.09	ng		99
33)	C170	trans-1,3-Dichloropr	14.51	75	168944	112.57	ng		98
34)	C160	1,1,2-Trichloroethan	14.81	83	93977	110.44	ng		94
35)	C220	Tetrachloroethene	14.93	166	184907	116.15	ng		96
36)	C163	1,2-Dibromoethane	15.60	109	128670	109.82	ng		99
37)	C210	4-Methyl-2-Pentanone	13.80	43	395771	520.89	ng	#	78
38)	C215	2-Hexanone	15.24	43	266444	513.40	ng		100
39)	C230	Toluene	14.01	91	420411	116.52	ng		100
40)	C235	Chlorobenzene	16.38	112	330236	111.43	ng		100
41)	C240	Ethylbenzene	16.54	91	539907	113.30	ng		98
42)	C246	m,p-Xylene	16.73	106	473613	237.08	ng	#	87
43)	C247	o-Xylene	17.35	106	226369	116.47	ng	#	81
44)	C245	Styrene	17.40	104	352294	112.01	ng		95
46)	C966	Isopropylbenzene	17.93	105	627543	114.77	ng		100
47)	C225	1,1,2,2-Tetrachloroe	18.50	83	156407	107.00	ng		84
49)	C180	Bromoform	17.74	173	99587	108.04	ng		94
50)	C260	1,3-Dichlorobenzene	19.86	146	351912	117.47	ng		96
51)	C267	1,4-Dichlorobenzene	20.00	146	367135	116.07	ng		96
52)	C249	1,2-Dichlorobenzene	20.57	146	331061	120.94	ng		96
53)	C286	1,2-Dibromo-3-Chloro	21.80	75	34535	112.48	ng		96
54)	C313	1,2,4-Trichlorobenze	23.00	180	196714	84.56	ng		100

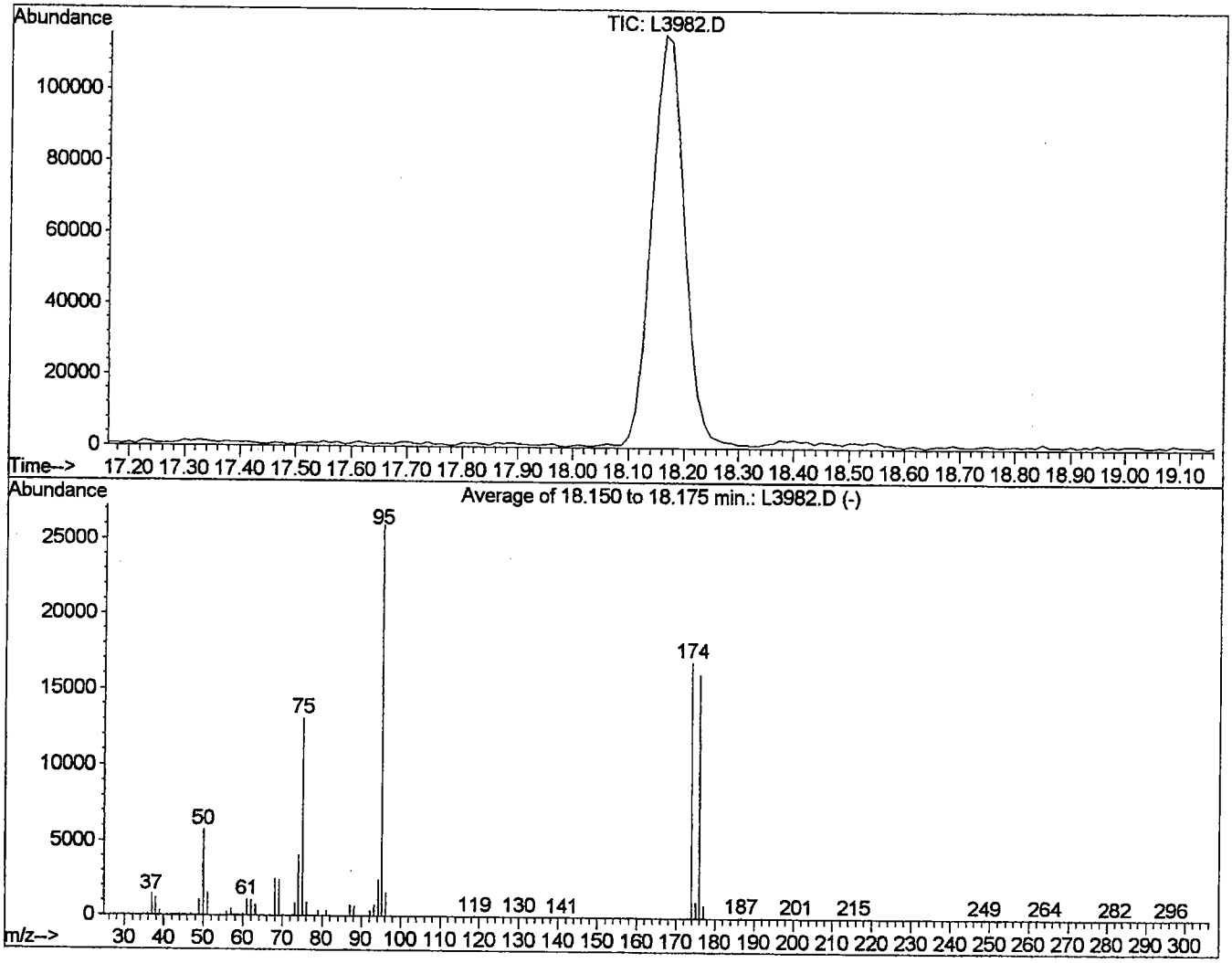
(#) = qualifier out of range (m) = manual integration

RAW QC DATA

CLP BFB RESULTS Tune Evaluation

Data File : C:\ELINK\INSTR1\DATA\012804\L3982.D
Acq On : 28 Jan 2004 08:49
Sample : 0128BFBL1
Misc :
MS Integration Params: RTEINT2.P
Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER

Vial: 1
Operator: PC
Inst : I50L
Multiplr: 1.00



Peak Apex is scan: 1454 (18.16 min)
Average of 3 scans: 1453,1454,1455 minus background scan 1434 (17.91 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5751	PASS
75	95	30	60	50.5	13117	PASS
95	95	100	100	100.0	25955	PASS
96	95	5	9	6.0	1568	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	65.3	16944	PASS
175	174	5	9	6.3	1069	PASS
176	174	95	101	95.2	16131	PASS
177	176	5	9	5.2	838	PASS

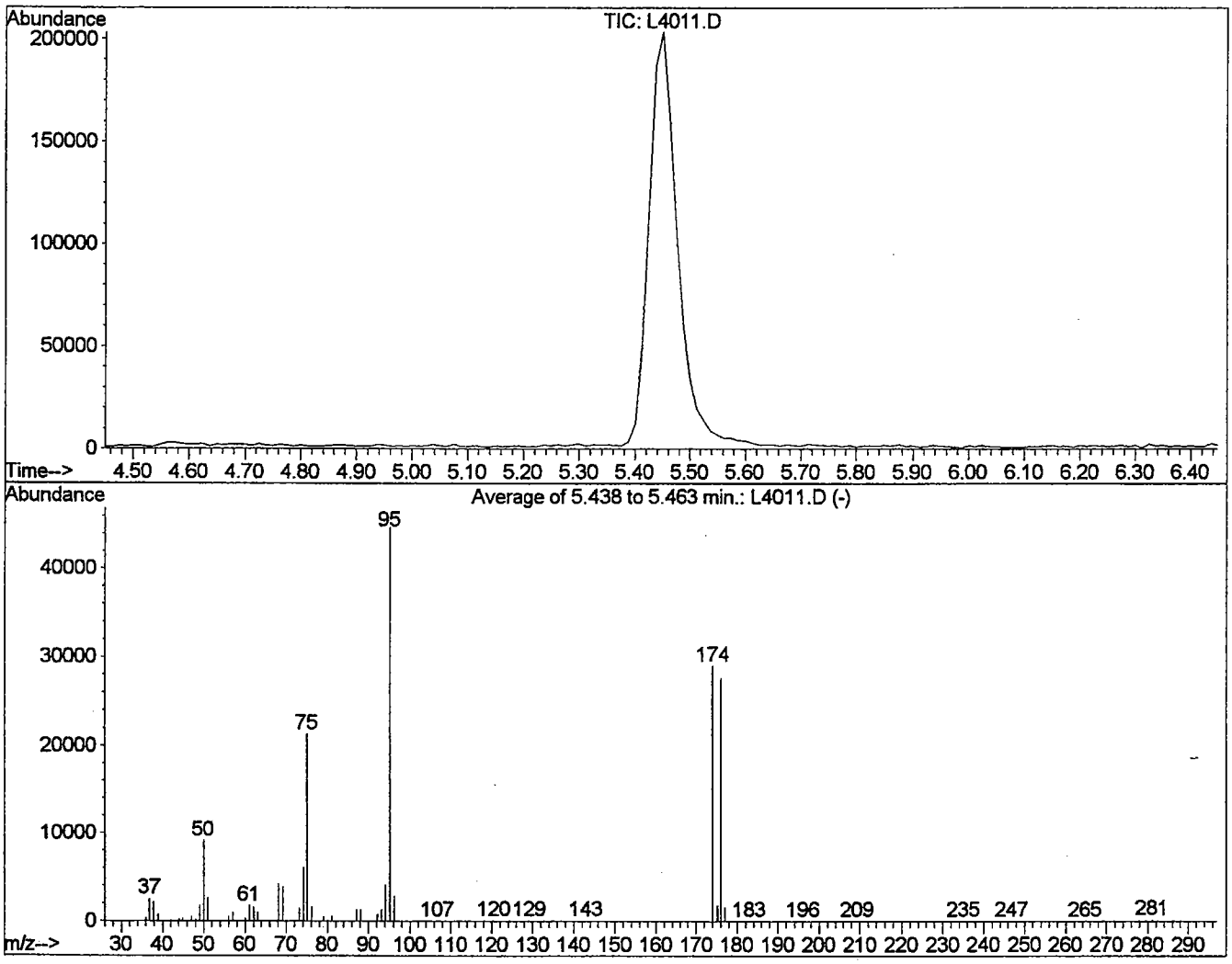
L3982.D LOWCLP.M Wed Jan 28 12:33:41 2004 I50L

Average of 18.150 to 18.175 min.: L3982.D
0128BFBL1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.95	1383	63.05	687	92.10	350		
37.90	1182	68.00	2503	93.10	738		
38.95	327	69.05	2428	94.20	2424		
46.95	131	73.15	847	95.10	25955		
48.95	1035	74.10	4042	96.15	1568		
50.00	5751	75.10	13117	173.95	16944		
51.00	1508	76.10	890	175.05	1069		
56.00	249	79.00	367	175.95	16131		
57.05	479	81.00	366	177.00	838		
61.05	1056	87.10	756				
62.00	997	88.10	676				

CLP BFB RESULTS Tune Evaluation

Data File : C:\ELINK\INSTR1\DATA\012804\L4011.D Vial: 1
Acq On : 28 Jan 2004 21:04 Operator: CDC
Sample : 0128BFBL2 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER



Peak Apex is scan: 437 (5.45 min)
Average of 3 scans: 436,437,438 minus background scan 417 (5.20 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	9088	PASS
75	95	30	60	47.7	21301	PASS
95	95	100	100	100.0	44693	PASS
96	95	5	9	6.4	2847	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	64.9	29003	PASS
175	174	5	9	6.3	1827	PASS
176	174	95	101	95.3	27645	PASS
177	176	5	9	5.7	1562	PASS

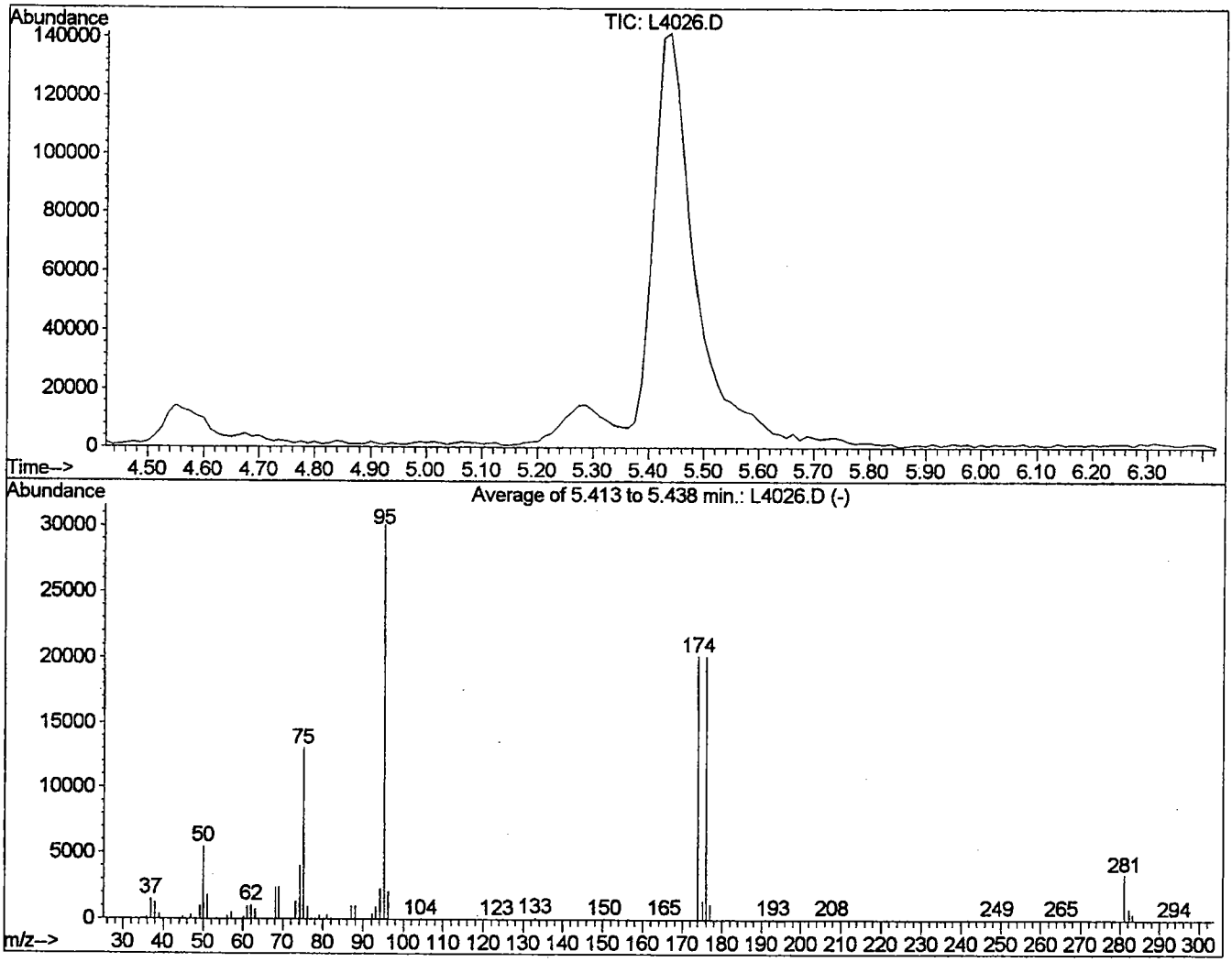
L4011.D LOWCLP.M Wed Jan 28 21:20:15 2004 I50L

Average of 5.438 to 5.463 min.: L4011.D
0128BFBL2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	365	60.05	249	81.05	571	177.00	1562
36.95	2491	61.00	1713	87.10	1336		
37.90	2130	62.05	1556	88.05	1320		
38.90	708	63.05	984	92.10	728		
45.00	286	68.05	4139	93.15	1259		
47.00	470	69.05	3914	94.20	4095		
48.95	1773	73.10	1434	95.10	44693		
49.95	9088	74.10	6034	96.15	2847		
51.00	2589	75.05	21301	174.00	29003		
56.05	453	76.10	1675	175.10	1827		
57.00	958	79.05	547	176.00	27645		

CLP BFB RESULTS Tune Evaluation

Data File : C:\ELINK\INSTR1\DATA\012904\L4026.D Vial: 1
Acq On : 29 Jan 2004 08:58 Operator: PC
Sample : 0129BFBL1 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER



Peak Apex is scan: 435 (5.43 min)
Average of 3 scans: 434,435,436 minus background scan 415 (5.18 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	5465	PASS
75	95	30	60	43.3	13039	PASS
95	95	100	100	100.0	30085	PASS
96	95	5	9	6.9	2076	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	67.2	20205	PASS
175	174	5	9	6.9	1401	PASS
176	174	95	101	99.8	20171	PASS
177	176	5	9	5.7	1154	PASS

L4026.D LOWCLP.M Thu Jan 29 09:10:43 2004 I50L

Average of 5.413 to 5.438 min.: L4026.D
)129BFBL1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.95	1508	61.05	927	87.10	974	281.15	3419
37.95	1209	62.05	1047	88.10	1009	282.20	844
38.95	358	63.05	744	92.15	339	283.20	443
44.90	195	68.05	2393	93.15	883		
46.90	296	69.05	2387	94.15	2319		
49.00	997	73.10	1290	95.15	30085		
49.95	5465	74.10	4005	96.15	2076		
51.00	1789	75.05	13039	173.95	20205		
56.00	210	76.10	956	175.05	1401		
57.05	504	79.00	253	175.95	20171		
60.10	168	81.00	335	177.05	1154		

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

215/401

Client No.

VBLK73

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063417

ample wt/vol: 25.00 (g/mL) ML Lab File ID: L3988.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

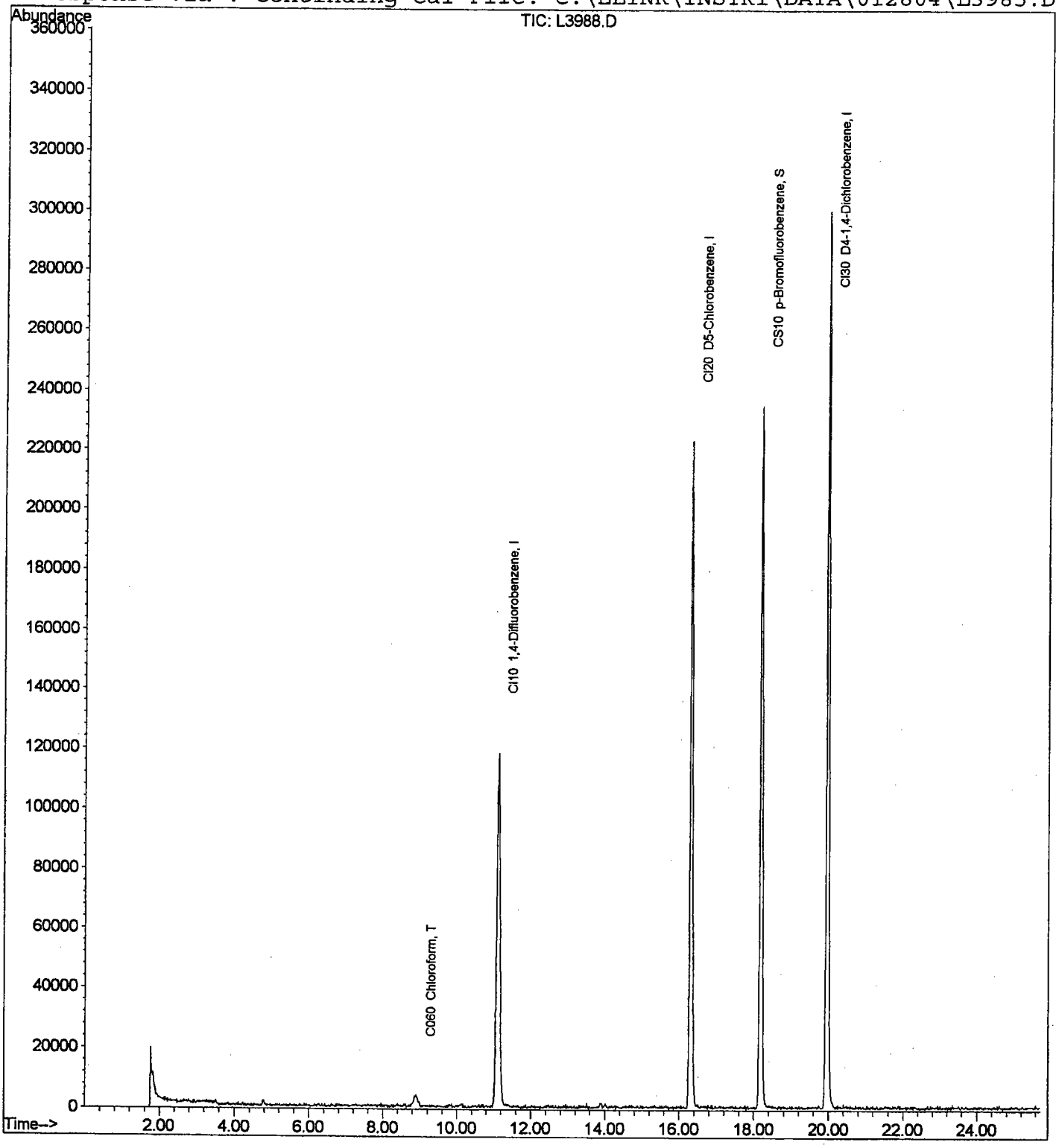
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3988.D
Acq On : 28 Jan 2004 12:49
Sample : VBLK73
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 13:20 19104

Vial: 1
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3988.D
Acq On : 28 Jan 2004 12:49
Sample : VBLK73
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 13:20 19104

Vial: 1
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.11	114	335981	125.00	ng	-0.02 90.19%
24) CI20	D5-Chlorobenzene	16.31	117	319948	125.00	ng	-0.01 89.23%
48) CI30	D4-1,4-Dichlorobenze	19.95	152	200245	125.00	ng	-0.01 85.59%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.18	174	150252	121.04	ng	-0.02
Spiked Amount 125.000		Range 80 - 120		Recovery = 96.83%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85		N.D.		
3) C010	Chloromethane	0.00	50		N.D.		
4) C015	Bromomethane	0.00	94		N.D.		
5) C020	Vinyl Chloride	0.00	62		N.D.		
6) C025	Chloroethane	0.00	64		N.D.		
7) C275	Trichlorotrifluorome	0.00	101		N.D.		
8) C030	Methylene Chloride	0.00	84		N.D.		
9) C035	Acetone	0.00	43		N.D.		
10) C040	Carbon Disulfide	0.00	76		N.D.		
11) C045	1,1-Dichloroethene	0.00	96		N.D.		
12) C962	T-butyl Methyl Ether	0.00	73		N.D.		
13) C050	1,1-Dichloroethane	0.00	63		N.D.		
14) C057	trans-1,2-dichloroet	0.00	96		N.D.		
15) C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16) C060	Chloroform	8.91	83	13366	6.50	ng	80
17) C222	Bromochloromethane	0.00	128		N.D.		
18) C065	1,2-Dichloroethane	0.00	62		N.D.		
19) C110	2-Butanone	0.00	43		N.D.		
20) C255	Methyl Acetate	0.00	43		N.D.		
21) C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22) C256	Cyclohexane	0.00	56		N.D.		
23) C012	Methylcyclohexane	0.00	83		N.D.		
25) C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26) C120	Carbon Tetrachloride	0.00	117		N.D.		
27) C150	Trichloroethene	0.00	95		N.D.		
28) C130	Bromodichloromethane	0.00	83		N.D.		
29) C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3988.D
Acq On : 28 Jan 2004 12:49
Sample : VBLK73
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 13:20 19104

Vial: 1
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/2/2004

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

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

219/401

Client No.

VBLK74

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063419

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4013.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

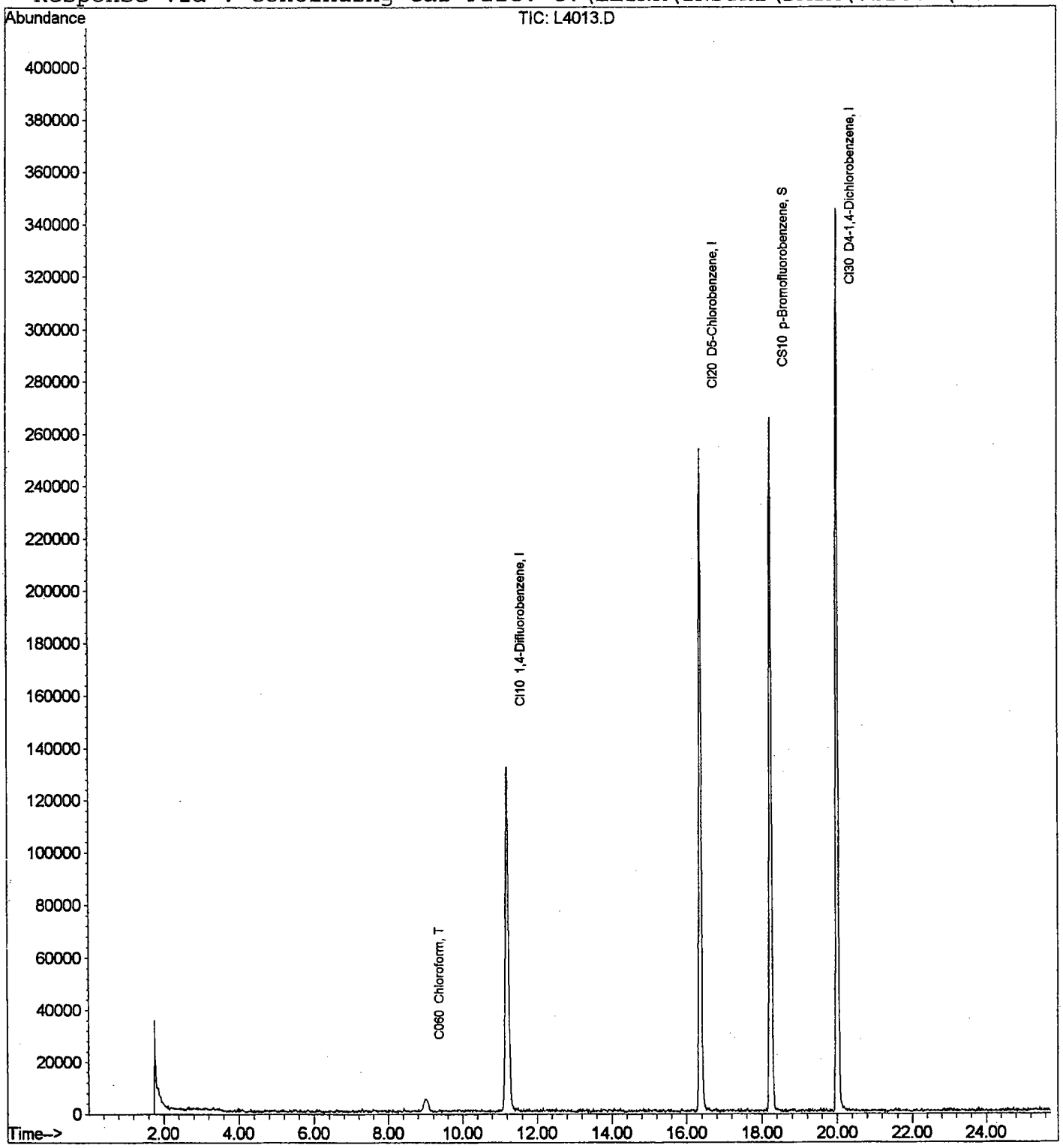
Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

Data File : C:\ELINK\INSTR1\DATA\012804\L4013.D Vial: 3
Acq On : 28 Jan 2004 22:13 Operator: CDC
Sample : VBLK74 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 22:42 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4013.D Vial: 3
Acq On : 28 Jan 2004 22:13 Operator: CDC
Sample : VBLK74 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 22:42 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

			R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
Internal Standards								
1)	CI10	1,4-Difluorobenzene	11.20	114	379684	125.00	ng	0.02 105.02%
24)	CI20	D5-Chlorobenzene	16.36	117	363848	125.00	ng	-0.01 101.37%
48)	CI30	D4-1,4-Dichlorobenze	20.00	152	229925	125.00	ng	-0.02 92.87%
System Monitoring Compounds								
45)	CS10	p-Bromofluorobenzene	18.23	174	173213	123.21	ng	-0.02
Spiked Amount 125.000 Range 80 - 120 Recovery = 98.57%								
Target Compounds								Qvalue
2)	C290	Dichlorodifluorometh	0.00	85		N.D.		
3)	C010	Chloromethane	0.00	50		N.D.		
4)	C015	Bromomethane	0.00	94		N.D.		
5)	C020	Vinyl Chloride	0.00	62		N.D.		
6)	C025	Chloroethane	0.00	64		N.D.		
7)	C275	Trichlorotrifluorome	0.00	101		N.D.		
8)	C030	Methylene Chloride	0.00	84		N.D.		
9)	C035	Acetone	0.00	43		N.D.		
10)	C040	Carbon Disulfide	0.00	76		N.D.		
11)	C045	1,1-Dichloroethene	0.00	96		N.D.		
12)	C962	T-butyl Methyl Ether	0.00	73		N.D.		
13)	C050	1,1-Dichloroethane	0.00	63		N.D.		
14)	C057	trans-1,2-dichloroet	0.00	96		N.D.		
15)	C056	cis-1,2-Dichloroethe	0.00	96		N.D.		
16)	C060	Chloroform	8.99	83	18533	7.35	ng	91
17)	C222	Bromochloromethane	0.00	128		N.D.		
18)	C065	1,2-Dichloroethane	0.00	62		N.D.		
19)	C110	2-Butanone	0.00	43		N.D.		
20)	C255	Methyl Acetate	0.00	43		N.D.		
21)	C291	1,1,2 Trichloro-1,2,	0.00	101		N.D.		
22)	C256	Cyclohexane	0.00	56		N.D.		
23)	C012	Methylcyclohexane	0.00	83		N.D.		
25)	C115	1,1,1-Trichloroethan	0.00	97		N.D.		
26)	C120	Carbon Tetrachloride	0.00	117		N.D.		
27)	C150	Trichloroethene	0.00	95		N.D.		
28)	C130	Bromodichloromethane	0.00	83		N.D.		
29)	C140	1,2-Dichloropropane	0.00	63		N.D.		

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

Quantitation Report

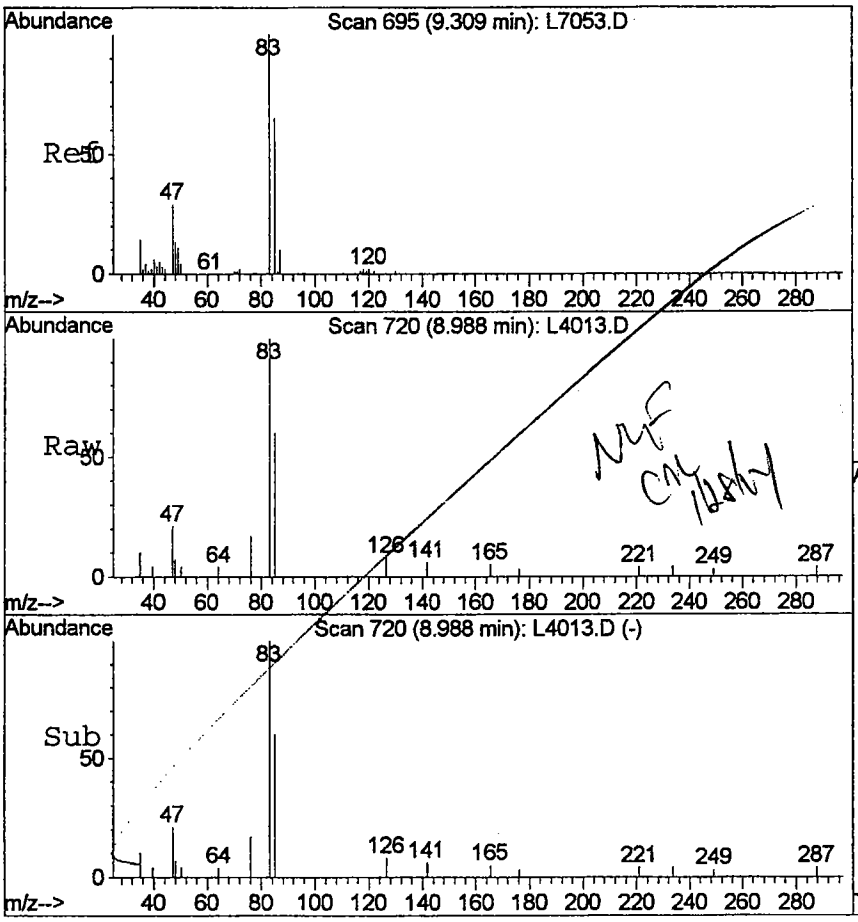
Data File : C:\ELINK\INSTR1\DATA\012804\L4013.D Vial: 3
Acq On : 28 Jan 2004 22:13 Operator: CDC
Sample : VBLK74 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 22:42 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/12/2004

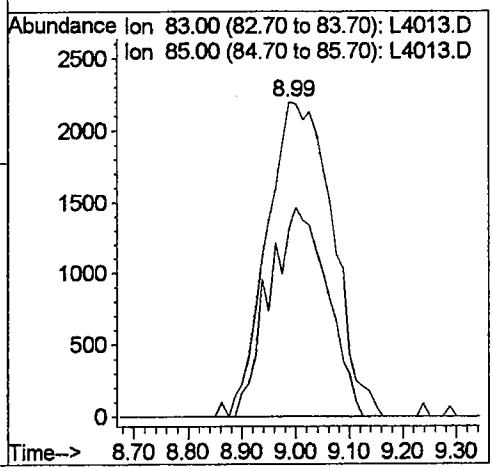
(#) = qualifier out of range (m) = manual integration



#16
C060 Chloroform
Concen: 7.35 ng
RT: 8.99 min Scan# 720
Delta R.T. 0.03 min
Lab File: L4013.D
Acq: 28 Jan 2004 22:13

Tgt Ion: 83 Resp: 18533

Ion	Ratio	Lower	Upper
83	100		
85	59.8	46.8	86.8



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

224/401

Client No.

VBLK75

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063421

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4028.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

! Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

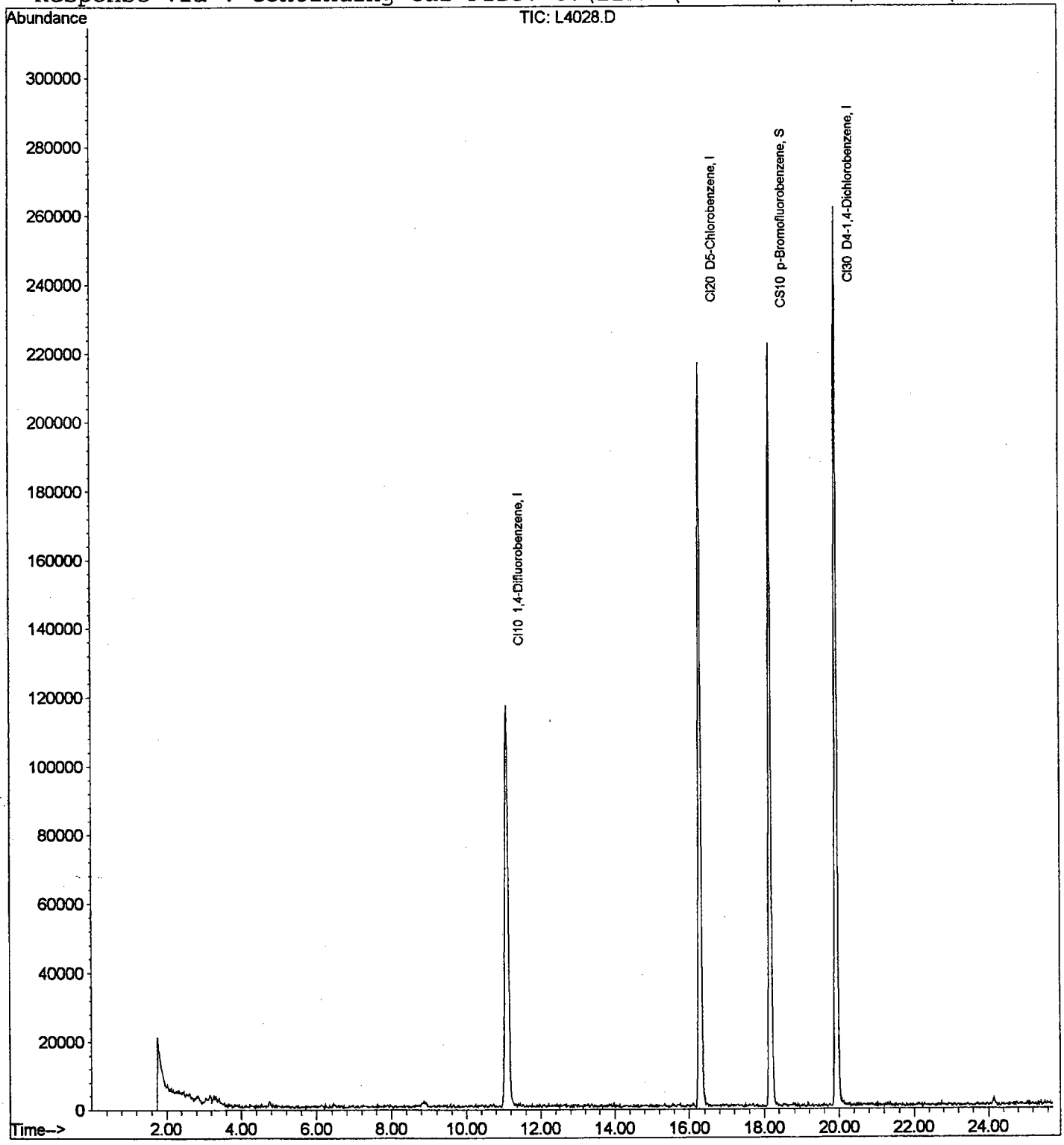
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4028.D
Acq On : 29 Jan 2004 10:27
Sample : VBLK75
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 11:01 19104

Vial: 1
Operator: PC
Inst : I50L
Multiplr: 1.00

Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012904\L4027.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4028.D
Acq On : 29 Jan 2004 10:27
Sample : VBLK75
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 11:01 19104

Vial: 1
Operator: PC
Inst : I50L
Multiplr: 1.00
Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012904\L4027.D (29 Jan 2004 09:29)

Clean No Tics PG 1/29/04

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.09	114	337650	125.00	ng	-0.03 92.11%
24) CI20	D5-Chlorobenzene	16.29	117	312620	125.00	ng	-0.04 89.92%
48) CI30	D4-1,4-Dichlorobenze	19.94	152	183686	125.00	ng	-0.02 79.95%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.15	174	146789	119.68	ng	-0.04
Spiked Amount 125.000	Range 80 - 120			Recovery = 95.74%			

Target Compounds					Qvalue
2) C290	Dichlorodifluorometh	0.00	85	N.D.	
3) C010	Chloromethane	0.00	50	N.D.	
4) C015	Bromomethane	0.00	94	N.D.	
5) C020	Vinyl Chloride	0.00	62	N.D.	
6) C025	Chloroethane	0.00	64	N.D.	
7) C275	Trichlorotrifluorome	0.00	101	N.D.	
8) C030	Methylene Chloride	0.00	84	N.D.	
9) C035	Acetone	0.00	43	N.D.	
10) C040	Carbon Disulfide	0.00	76	N.D.	
11) C045	1,1-Dichloroethene	0.00	96	N.D.	
12) C962	T-butyl Methyl Ether	0.00	73	N.D.	
13) C050	1,1-Dichloroethane	0.00	63	N.D.	
14) C057	trans-1,2-dichloroet	0.00	96	N.D.	
15) C056	cis-1,2-Dichloroethe	0.00	96	N.D.	
16) C060	Chloroform	0.00	83	N.D.	
17) C222	Bromochloromethane	0.00	128	N.D.	
18) C065	1,2-Dichloroethane	0.00	62	N.D.	
19) C110	2-Butanone	0.00	43	N.D.	
20) C255	Methyl Acetate	0.00	43	N.D.	
21) C291	1,1,2 Trichloro-1,2,	0.00	101	N.D.	
22) C256	Cyclohexane	0.00	56	N.D.	
23) C012	Methylcyclohexane	0.00	83	N.D.	
25) C115	1,1,1-Trichloroethan	0.00	97	N.D.	
26) C120	Carbon Tetrachloride	0.00	117	N.D.	
27) C150	Trichloroethene	0.00	95	N.D.	
28) C130	Bromodichloromethane	0.00	83	N.D.	
29) C140	1,2-Dichloropropane	0.00	63	N.D.	

2/2/04

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

Data File : C:\ELINK\INSTR1\DATA\012904\L4028.D Vial: 1
Acq On : 29 Jan 2004 10:27 Operator: PC
Sample : VBLK75 Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 11:01 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
30)	C145	cis-1,3-Dichloroprop	0.00	75		N.D.	
31)	C165	Benzene	0.00	78		N.D.	
32)	C155	Dibromochloromethane	0.00	129		N.D.	
33)	C170	trans-1,3-Dichloropr	0.00	75		N.D.	
34)	C160	1,1,2-Trichloroethan	0.00	83		N.D.	
35)	C220	Tetrachloroethene	0.00	166		N.D.	
36)	C163	1,2-Dibromoethane	0.00	109		N.D.	
37)	C210	4-Methyl-2-Pentanone	0.00	43		N.D.	
38)	C215	2-Hexanone	0.00	43		N.D.	
39)	C230	Toluene	0.00	91		N.D.	
40)	C235	Chlorobenzene	0.00	112		N.D.	
41)	C240	Ethylbenzene	0.00	91		N.D.	
42)	C246	m,p-Xylene	0.00	106		N.D.	
43)	C247	o-Xylene	0.00	106		N.D.	
44)	C245	Styrene	0.00	104		N.D.	
46)	C966	Isopropylbenzene	0.00	105		N.D.	
47)	C225	1,1,2,2-Tetrachloroe	0.00	83		N.D.	
49)	C180	Bromoform	0.00	173		N.D.	
50)	C260	1,3-Dichlorobenzene	0.00	146		N.D.	
51)	C267	1,4-Dichlorobenzene	0.00	146		N.D.	
52)	C249	1,2-Dichlorobenzene	0.00	146		N.D.	
53)	C286	1,2-Dibromo-3-Chloro	0.00	75		N.D.	
54)	C313	1,2,4-Trichlorobenze	0.00	180		N.D.	

2/2/2004

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

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

228/401

Client No.

MSB73

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063418

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L3989.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

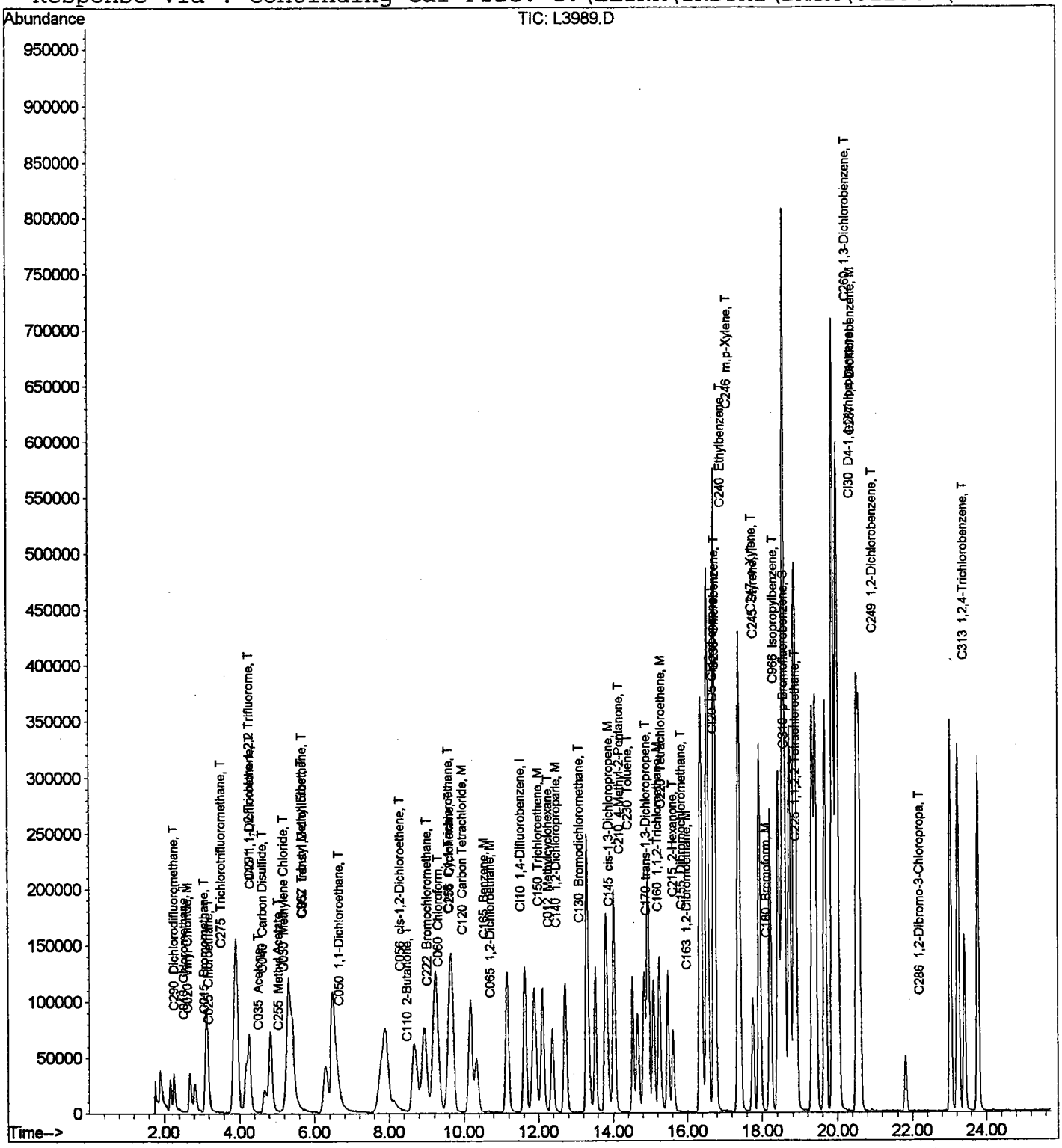
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
75-34-3	1,1-Dichloroethane	4	
540-59-0	1,2-Dichloroethene (Total)	9	
79-01-6	Trichloroethene	5	
108-90-7	Chlorobenzene	5	
75-00-3	Chloroethane	5	
75-01-4	Vinyl chloride	5	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3989.D Vial: 2
Acq On : 28 Jan 2004 13:37 Operator: PC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 14:08 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L3985.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3989.D
Acq On : 28 Jan 2004 13:37
Sample : LCS
Misc :
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 14:08 19104

Vial: 2
Operator: PC
Inst : I50L
Multiplr: 1.00

OK

Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L3985.D (28 Jan 2004 10:51)

	Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1)	CI10	1,4-Difluorobenzene	11.15	114	353697	125.00	ng		0.01 94.95%
24)	CI20	D5-Chlorobenzene	16.34	117	349828	125.00	ng		0.01 97.56%
48)	CI30	D4-1,4-Dichlorobenze	19.98	152	242030	125.00	ng		0.01 103.46%
	System Monitoring Compounds								
45)	CS10	p-Bromofluorobenzene	18.21	174	172172	126.86	ng		0.01
	Spiked Amount 125.000		Range 80 - 120		Recovery = 101.49%				
	Target Compounds								Qvalue
2)	C290	Dichlorodifluorometh	1.90	85	102167	119.00	ng		98
3)	C010	Chloromethane	2.16	50	70232	116.22	ng		97
4)	C015	Bromomethane	2.70	94	60480	111.94	ng		94
5)	C020	Vinyl Chloride	2.26	62	85084	117.49	ng		99
6)	C025	Chloroethane	2.83	64	64469	116.07	ng		96
7)	C275	Trichlorotrifluorome	3.15	101	241903	151.67	ng		98
8)	C030	Methylene Chloride	4.83	84	91755	108.11	ng	#	87
9)	C035	Acetone	4.14	43	43605	584.98	ng		97
10)	C040	Carbon Disulfide	4.26	76	232602	110.27	ng		100
11)	C045	1,1-Dichloroethene	3.93	96	84530	112.45	ng		95
12)	C962	T-butyl Methyl Ether	5.31	73	205454	113.98	ng		91
13)	C050	1,1-Dichloroethane	6.29	63	203960	111.57	ng		97
14)	C057	trans-1,2-dichloroet	5.33	96	101658	107.75	ng		94
15)	C056	cis-1,2-Dichloroethe	7.93	96	117575	118.98	ng		91
16)	C060	Chloroform	8.94	83	271673	125.43	ng		99
17)	C222	Bromochloromethane	8.65	128	59803	123.61	ng	#	86
18)	C065	1,2-Dichloroethane	10.34	62	152781	125.62	ng		61
19)	C110	2-Butanone	8.11	43	100242	639.78	ng		77
20)	C255	Methyl Acetate	4.67	43	35894	106.46	ng		86
21)	C291	1,1,2 Trichloro-1,2,	3.91	101	143147	115.99	ng		85
22)	C256	Cyclohexane	9.25	56	164111	117.88	ng		99
23)	C012	Methylcyclohexane	11.89	83	164775	120.02	ng		90
25)	C115	1,1,1-Trichloroethan	9.23	97	229668	120.84	ng		98
26)	C120	Carbon Tetrachloride	9.60	117	204470	119.44	ng		99
27)	C150	Trichloroethene	11.63	95	146770	120.63	ng		90
28)	C130	Bromodichloromethane	12.73	83	234473	121.58	ng		100
29)	C140	1,2-Dichloropropane	12.11	63	138270	121.49	ng		96

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

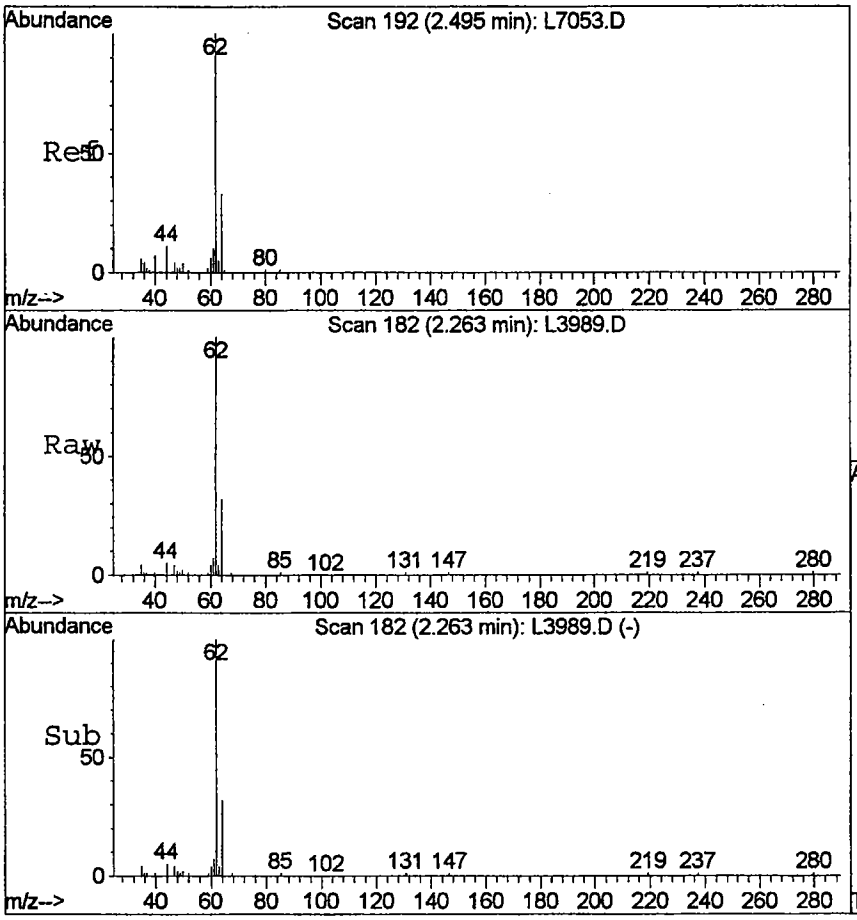
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L3989.D Vial: 2
Acq On : 28 Jan 2004 13:37 Operator: PC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 28 14:08 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L3985.D 28 Jan 2004 10:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.53	75	198710	115.98	ng		99
31)	C165	Benzene	10.18	78	339437	118.41	ng		98
32)	C155	Dibromochloromethane	15.48	129	177338	125.04	ng		98
33)	C170	trans-1,3-Dichloropr	14.53	75	173217	119.99	ng		96
34)	C160	1,1,2-Trichloroethan	14.84	83	95945	122.56	ng		98
35)	C220	Tetrachloroethene	14.94	166	175864	123.17	ng		96
36)	C163	1,2-Dibromoethane	15.61	109	134795	121.65	ng		98
37)	C210	4-Methyl-2-Pentanone	13.81	43	417798	608.31	ng	#	75
38)	C215	2-Hexanone	15.25	43	289627	618.21	ng		98
39)	C230	Toluene	14.04	91	406157	119.51	ng		96
40)	C235	Chlorobenzene	16.39	112	338448	122.97	ng		98
41)	C240	Ethylbenzene	16.55	91	541409	122.10	ng		99
42)	C246	m,p-Xylene	16.74	106	446960	241.44	ng		97
43)	C247	o-Xylene	17.38	106	219293	123.91	ng		89
44)	C245	Styrene	17.41	104	353804	122.57	ng		95
46)	C966	Isopropylbenzene	17.94	105	621333	124.29	ng		99
47)	C225	1,1,2,2-Tetrachloroe	18.51	83	171993	129.47	ng		88
49)	C180	Bromoform	17.75	173	114002	118.55	ng		96
50)	C260	1,3-Dichlorobenzene	19.88	146	367269	125.25	ng		97
51)	C267	1,4-Dichlorobenzene	20.01	146	378041	121.75	ng		95
52)	C249	1,2-Dichlorobenzene	20.59	146	340999	119.82	ng		97
53)	C286	1,2-Dibromo-3-Chloro	21.81	75	38613	121.86	ng		95
54)	C313	1,2,4-Trichlorobenze	23.03	180	278350	146.76	ng		99

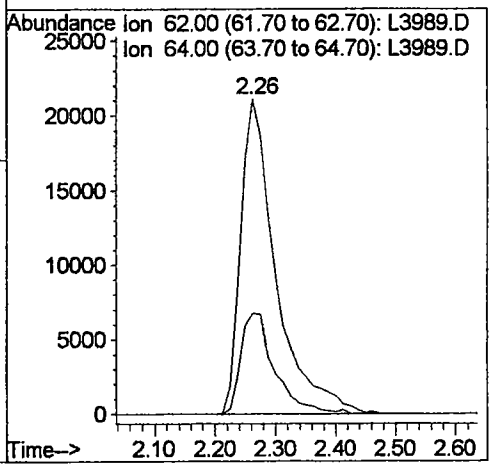
(#) = qualifier out of range (m) = manual integration

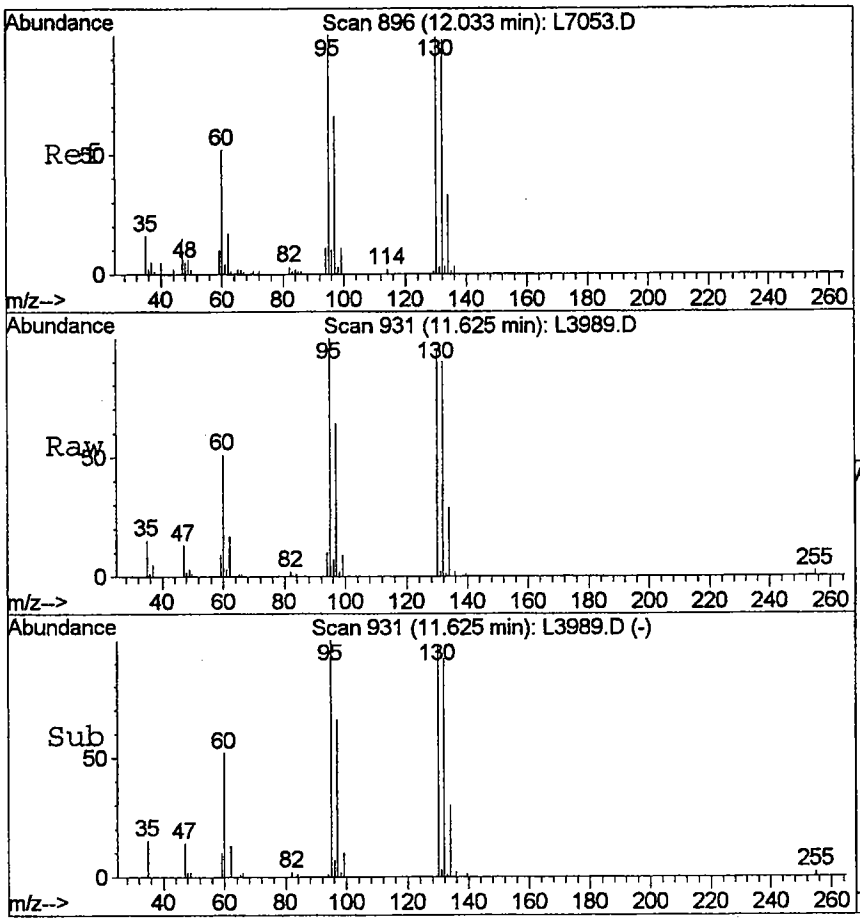


#5
C020 Vinyl Chloride
Concen: 117.49 ng
RT: 2.26 min Scan# 182
Delta R.T. 0.01 min
Lab File: L3989.D
Acq: 28 Jan 2004 13:37

Tgt Ion: 62 Resp: 85084

Ion	Ratio	Lower	Upper
62	100		
64	31.8	11.3	51.3

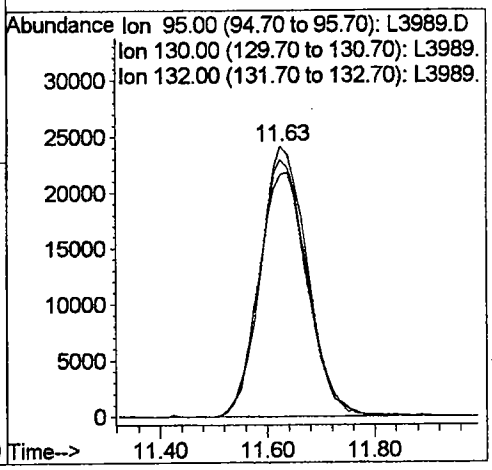


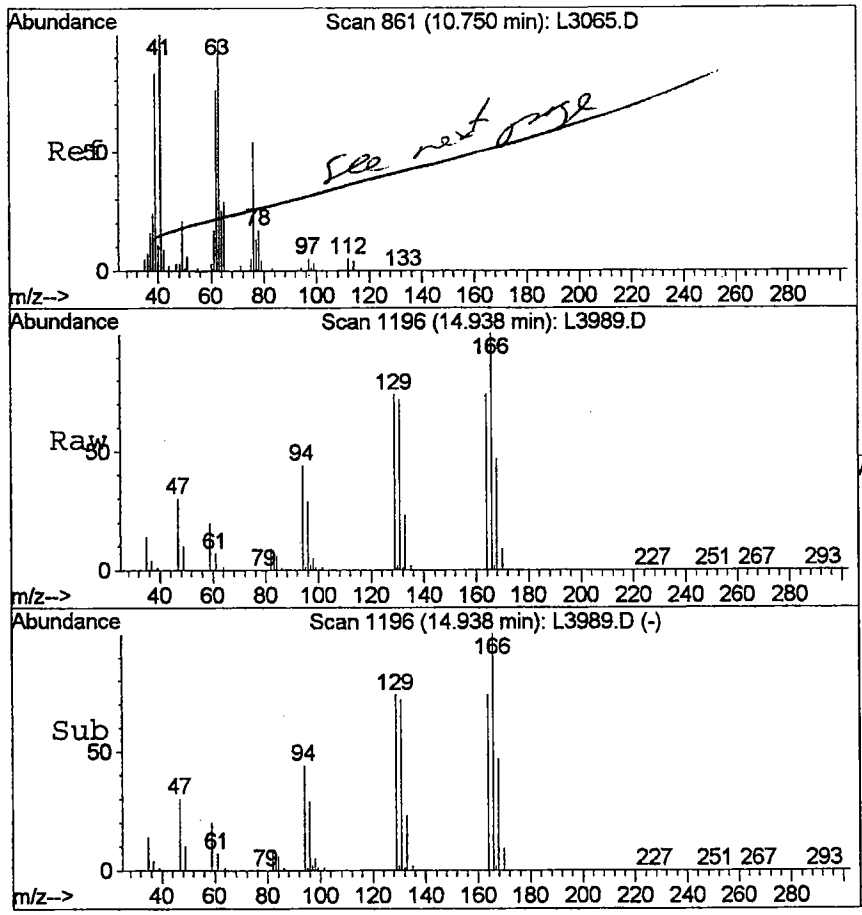


#27
C150 Trichloroethene
Concen: 120.63 ng
RT: 11.63 min Scan# 931
Delta R.T. 0.01 min
Lab File: L3989.D
Acq: 28 Jan 2004 13:37

Tgt Ion: 95 Resp: 146770

Ion	Ratio	Lower	Upper
95	100		
130	95.0	68.6	103.0
132	89.6	64.8	97.2

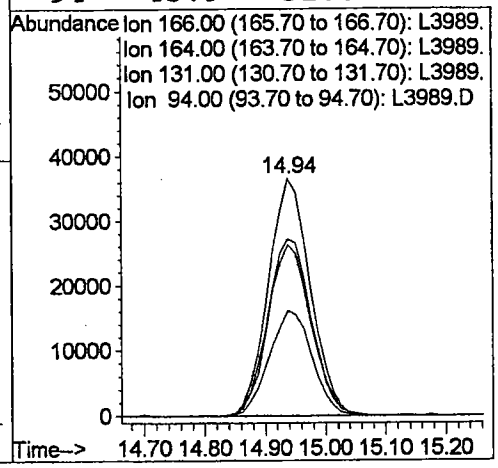




#35
C220 Tetrachloroethene
Concen: 123.17 ng
RT: 14.94 min Scan# 1196
Delta R.T. 0.01 min
Lab File: L3989.D
Acq: 28 Jan 2004 13:37

Tgt Ion:166 Resp: 175864

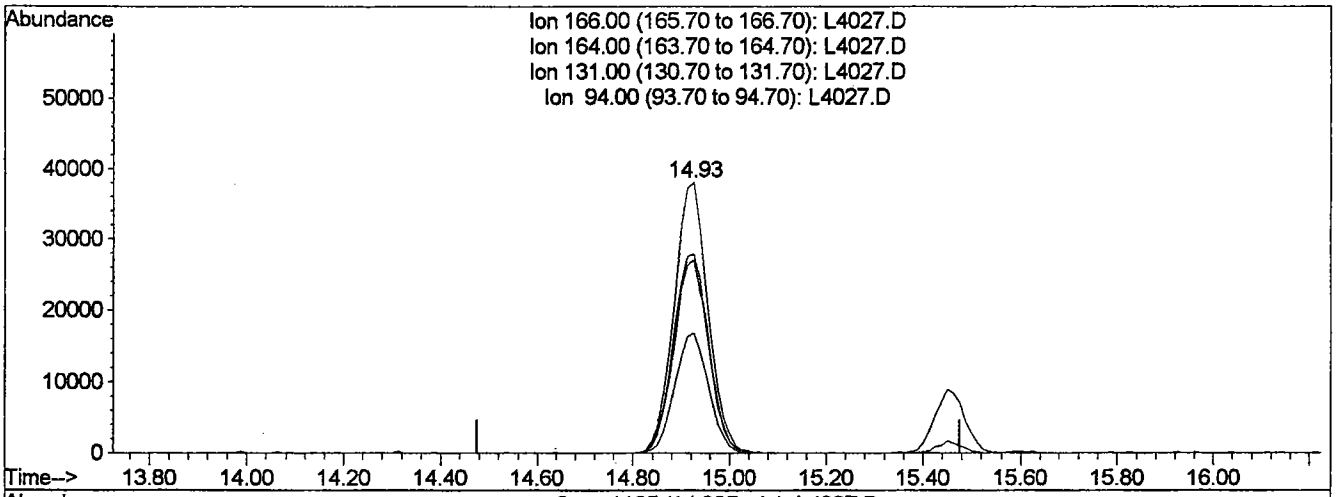
Ion	Ratio	Lower	Upper
166	100		
164	74.1	60.6	91.0
131	71.7	55.2	82.8
94	43.9	31.6	47.4

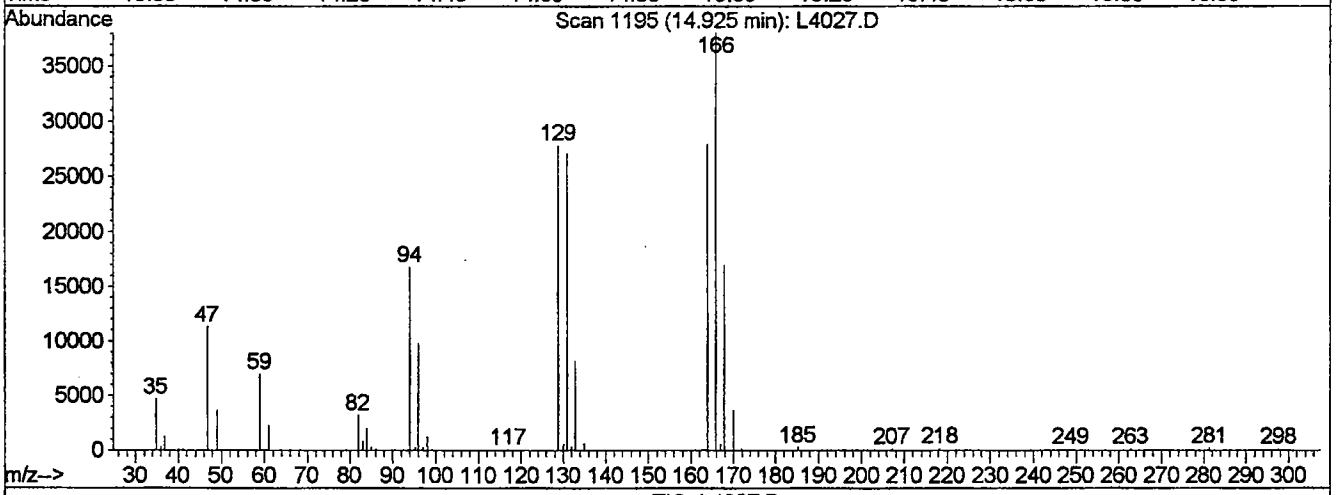


Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4027.D Vial: 1
Acq On : 29 Jan 2004 09:29 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
Quant Time: Jan 29 9:58 19104 Quant Results File: temp.res

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single Level Calibration





TIC: L4027.D

(35) C220 Tetrachloroethene (M)

14.93min 116.15ng

response 184907

Ion	Exp%	Act%
166.00	100	100
164.00	75.80	73.27
131.00	69.00	71.09
94.00	39.50	44.04

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

235/401

Client No.

MSB74

b Name: STL Buffalo Contract: _____

b Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

trix: (soil/water) WATER Lab Sample ID: A4063420

mple wt/vol: 25.00 (g/mL) ML Lab File ID: I4014.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/28/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

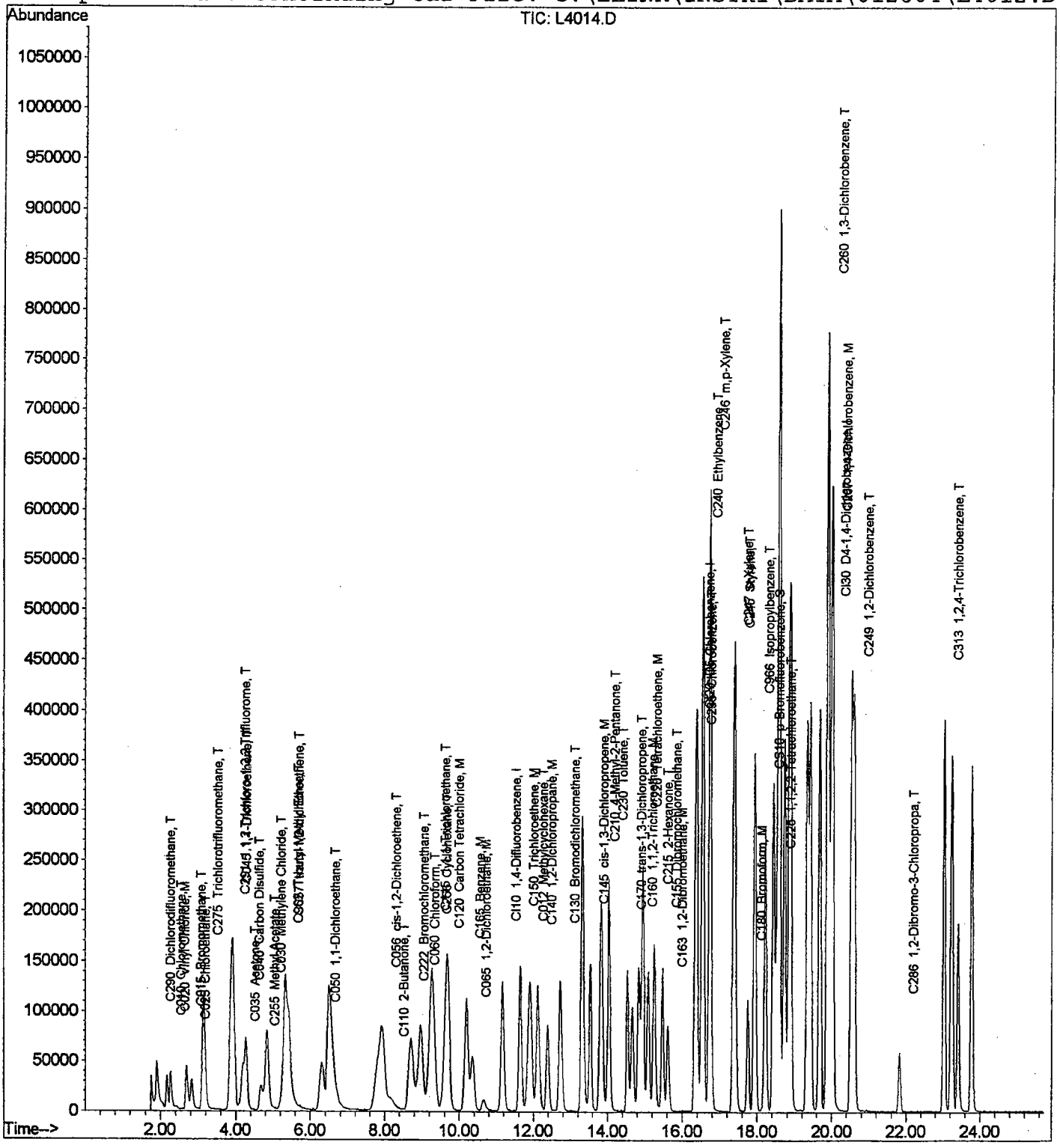
il Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
75-34-3	1,1-Dichloroethane	5	
540-59-0	1,2-Dichloroethene (Total)	10	
79-01-6	Trichloroethene	5	
108-90-7	Chlorobenzene	5	
75-00-3	Chloroethane	4	
75-01-4	Vinyl chloride	5	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4014.D Vial: 4
Acq On : 28 Jan 2004 23:00 Operator: CDC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:24 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012804\L4012.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4014.D Vial: 4
Acq On : 28 Jan 2004 23:00 Operator: CDC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:24 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012804\L4012.D (28 Jan 2004 21:35)

			R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
Internal Standards									
1)	CI10	1,4-Difluorobenzene	11.16	114	358461	125.00	ng		-0.01 99.15%
24)	CI20	D5-Chlorobenzene	16.35	117	359931	125.00	ng		-0.02 100.28%
48)	CI30	D4-1,4-Dichlorobenze	19.98	152	249056	125.00	ng		-0.05 100.60%
System Monitoring Compounds									
45)	CS10	p-Bromofluorobenzene	18.21	174	179709	129.23	ng		-0.04
Spiked Amount 125.000 Range 80 - 120 Recovery = 103.38%									
Target Compounds									Qvalue
2)	C290	Dichlorodifluorometh	1.90	85	111801	116.53	ng		98
3)	C010	Chloromethane	2.18	50	80006	115.27	ng		100
4)	C015	Bromomethane	2.70	94	72128	116.87	ng		98
5)	C020	Vinyl Chloride	2.27	62	96452	119.16	ng		98
6)	C025	Chloroethane	2.83	64	73073	113.46	ng		96
7)	C275	Trichlorotrifluorome	3.15	101	290009	118.00	ng		97
8)	C030	Methylene Chloride	4.85	84	101858	121.64	ng		94
9)	C035	Acetone	4.15	43	50312	667.46	ng		91
10)	C040	Carbon Disulfide	4.28	76	241747	114.96	ng		100
11)	C045	1,1-Dichloroethene	3.93	96	95522	116.01	ng		97
12)	C962	T-butyl Methyl Ether	5.31	73	234747	124.15	ng		85
13)	C050	1,1-Dichloroethane	6.30	63	227551	120.42	ng		99
14)	C057	trans-1,2-dichloroet	5.33	96	113089	120.20	ng		97
15)	C056	cis-1,2-Dichloroethe	7.94	96	133217	127.54	ng		96
16)	C060	Chloroform	8.96	83	294755	123.90	ng		96
17)	C222	Bromochloromethane	8.69	128	66860	123.46	ng	#	78
18)	C065	1,2-Dichloroethane	10.35	62	167076	125.07	ng		59
19)	C110	2-Butanone	8.15	43	120422	654.95	ng		83
20)	C255	Methyl Acetate	4.67	43	40718	129.93	ng		97
21)	C291	1,1,2 Trichloro-1,2,	3.89	101	169800	116.69	ng		82
22)	C256	Cyclohexane	9.29	56	189041	119.65	ng		92
23)	C012	Methylcyclohexane	11.90	83	195513	119.37	ng		90
25)	C115	1,1,1-Trichloroethan	9.25	97	249277	119.19	ng		96
26)	C120	Carbon Tetrachloride	9.63	117	222659	119.04	ng		95
27)	C150	Trichloroethene	11.64	95	162479	123.35	ng		91
28)	C130	Bromodichloromethane	12.74	83	256409	122.59	ng		97
29)	C140	1,2-Dichloropropane	12.13	63	150571	121.84	ng		97

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

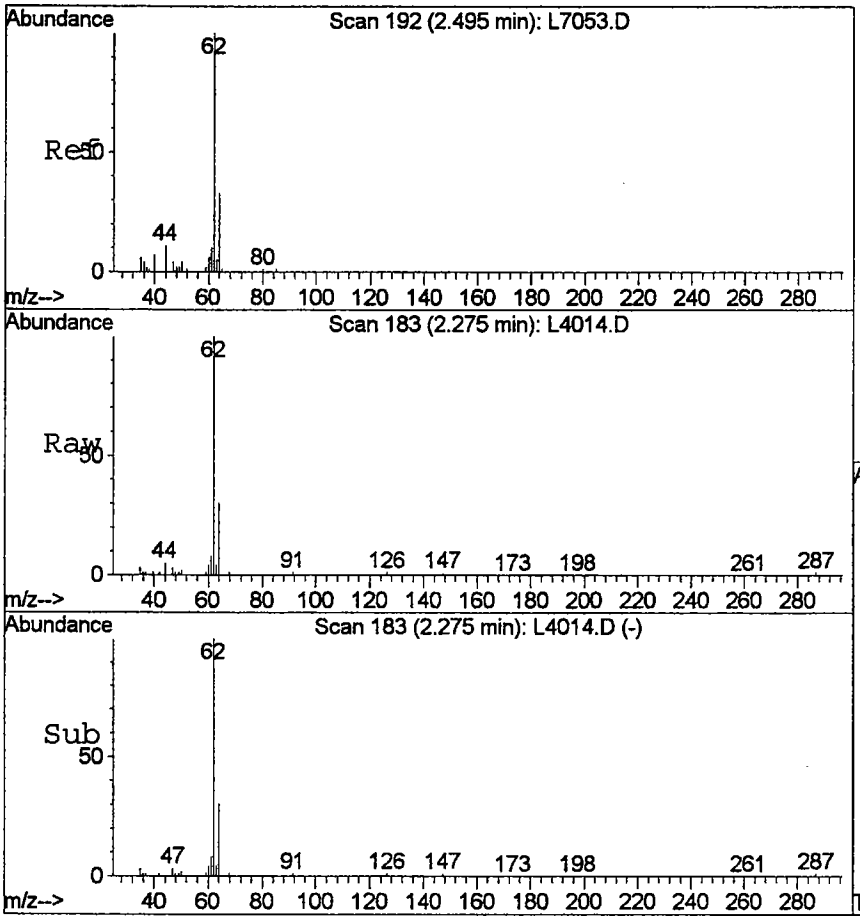
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012804\L4014.D Vial: 4
Acq On : 28 Jan 2004 23:00 Operator: CDC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 8:24 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Tue Nov 04 16:03:07 2003
Response via : Single (C:\ELINK\INSTR1\DATA\012804\L4012.D 28 Jan 2004 21:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.53	75	225504	120.51	ng		100
31)	C165	Benzene	10.19	78	373022	119.37	ng		99
32)	C155	Dibromochloromethane	15.48	129	205082	128.53	ng		96
33)	C170	trans-1,3-Dichloropr	14.54	75	197867	127.35	ng		96
34)	C160	1,1,2-Trichloroethan	14.84	83	111574	126.65	ng		95
35)	C220	Tetrachloroethene	14.95	166	199606	121.12	ng		96
36)	C163	1,2-Dibromoethane	15.63	109	152579	125.79	ng		97
37)	C210	4-Methyl-2-Pentanone	13.83	43	504428	641.29	ng	#	73
38)	C215	2-Hexanone	15.25	43	340685	634.10	ng		95
39)	C230	Toluene	14.04	91	452126	121.04	ng		98
40)	C235	Chlorobenzene	16.40	112	374298	121.99	ng		96
41)	C240	Ethylbenzene	16.55	91	594062	120.42	ng		94
42)	C246	m,p-Xylene	16.74	106	499869	241.70	ng		90
43)	C247	o-Xylene	17.38	106	244421	121.47	ng	#	86
44)	C245	Styrene	17.41	104	394415	121.13	ng		100
46)	C966	Isopropylbenzene	17.94	105	686358	121.25	ng		100
47)	C225	1,1,2,2-Tetrachloroe	18.51	83	189840	125.45	ng		87
49)	C180	Bromoform	17.75	173	129647	129.75	ng		93
50)	C260	1,3-Dichlorobenzene	19.89	146	400285	123.26	ng		97
51)	C267	1,4-Dichlorobenzene	20.03	146	407686	118.90	ng		94
52)	C249	1,2-Dichlorobenzene	20.60	146	374978	126.37	ng		94
53)	C286	1,2-Dibromo-3-Chloro	21.82	75	44348	133.25	ng		93
54)	C313	1,2,4-Trichlorobenze	23.03	180	304108	120.60	ng		99

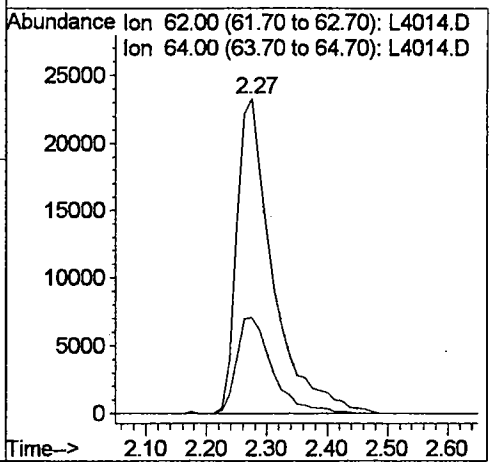
(#) = qualifier out of range (m) = manual integration

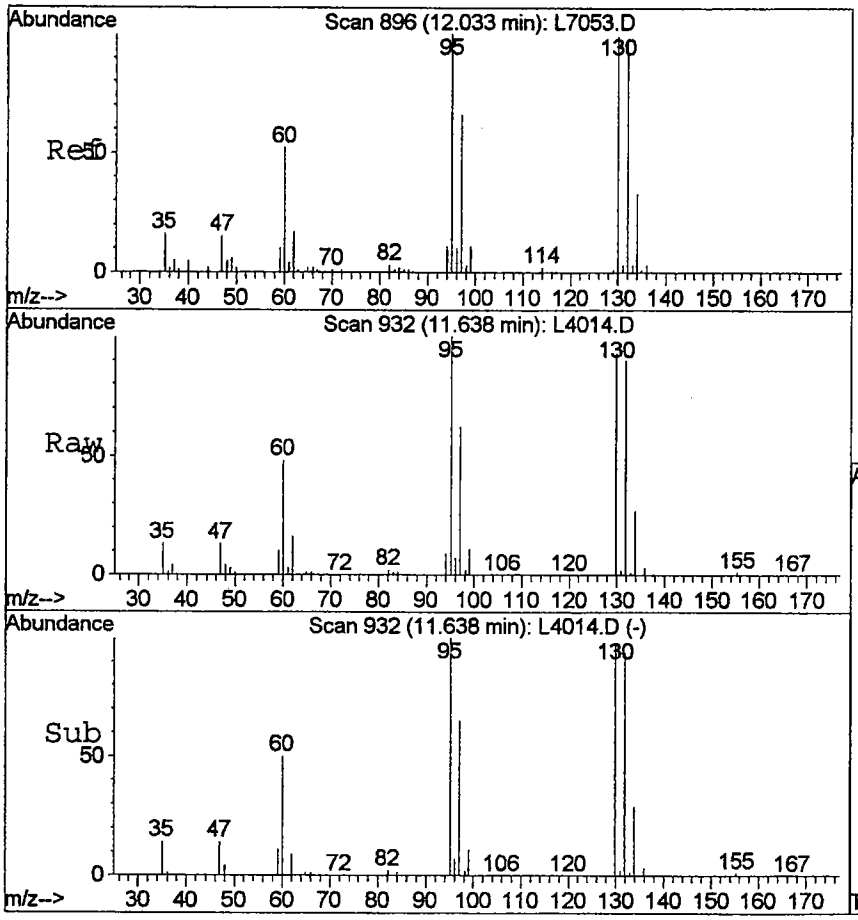


#5
C020 Vinyl Chloride
Concen: 119.16 ng
RT: 2.27 min Scan# 183
Delta R.T. 0.01 min
Lab File: L4014.D
Acq: 28 Jan 2004 23:00

Tgt Ion: 62 Resp: 96452

Ion	Ratio	Lower	Upper
62	100		
64	30.3	11.3	51.3

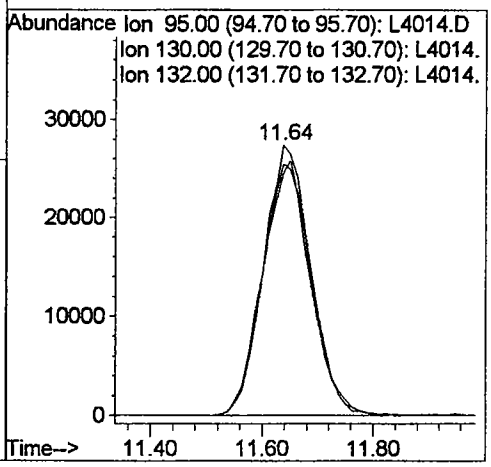


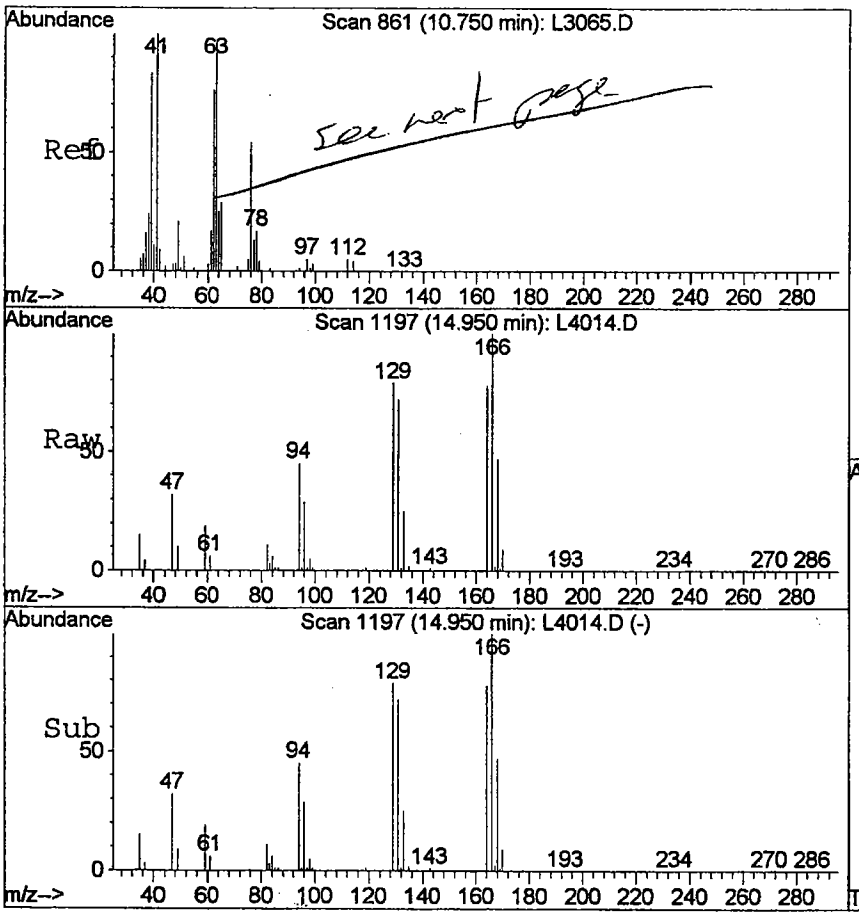


#27
C150 Trichloroethene
Concen: 123.35 ng
RT: 11.64 min Scan# 932
Delta R.T. -0.03 min
Lab File: L4014.D
Acq: 28 Jan 2004 23:00

Tgt Ion: 95 Resp: 162479

Ion	Ratio	Lower	Upper
95	100		
130	92.9	68.6	103.0
132	89.8	64.8	97.2

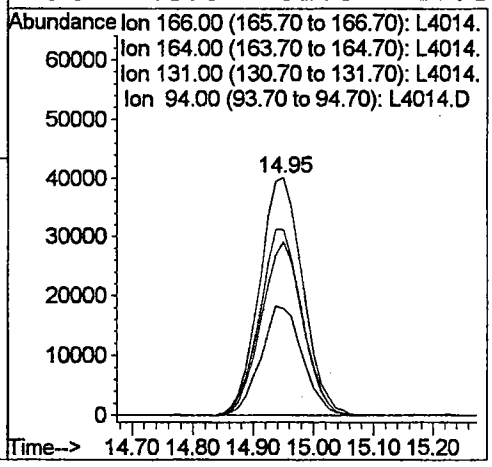




#35
C220 Tetrachloroethene
Concen: 121.12 ng
RT: 14.95 min Scan# 1197
Delta R.T. -0.03 min
Lab File: L4014.D
Acq: 28 Jan 2004 23:00

Tgt Ion:166 Resp: 199606

Ion	Ratio	Lower	Upper
166	100		
164	77.7	60.6	91.0
131	72.5	55.2	82.8
94	44.6	31.6	47.4

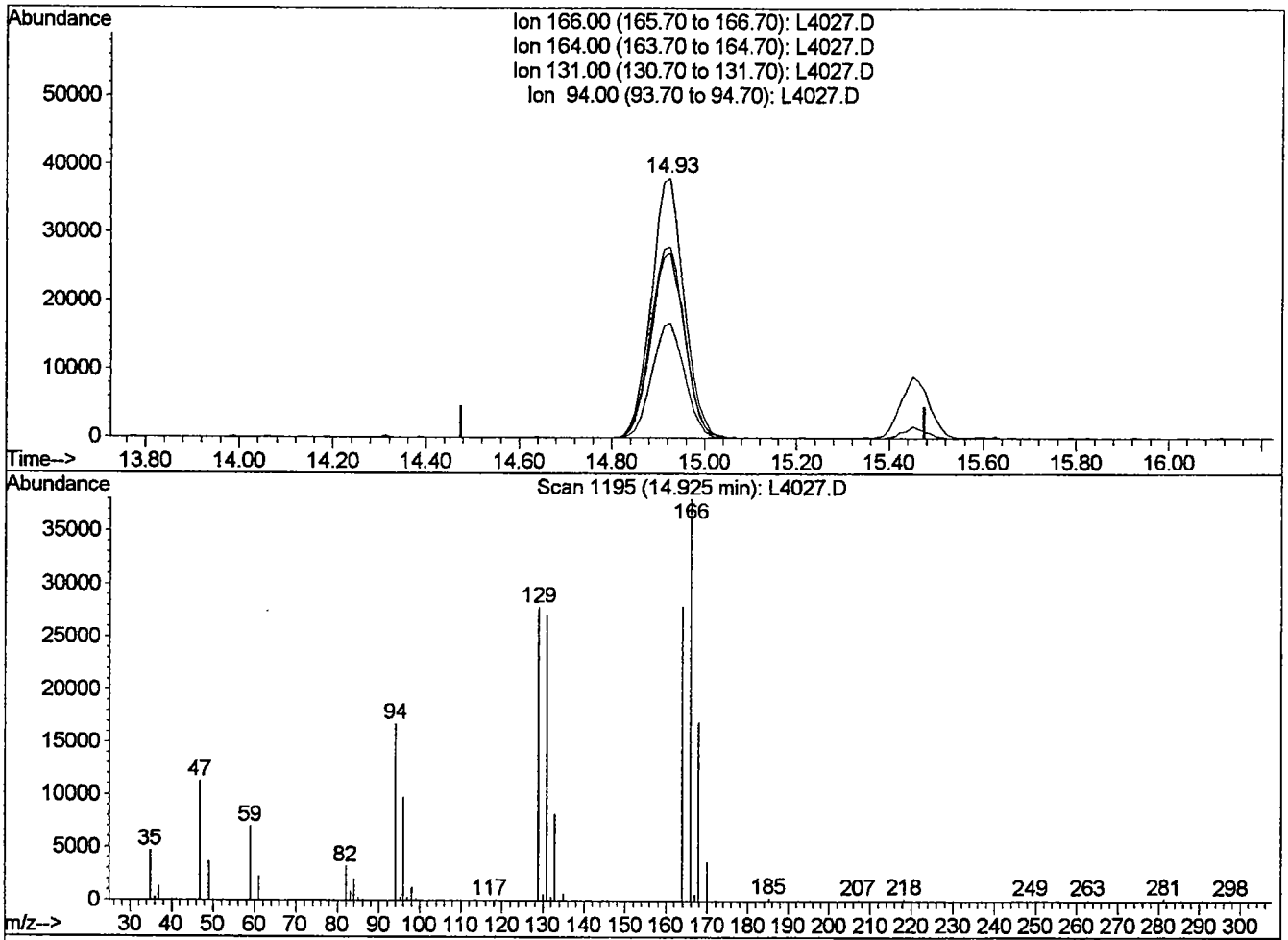


Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4027.D Vial: 1
Acq On : 29 Jan 2004 09:29 Operator: PC
Sample : VSTD005 Inst : I50L
Misc : Multiplr: 1.00
Quant Time: Jan 29 9:58 19104 Quant Results File: temp.res

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single Level Calibration

1/30/04



TIC: L4027.D

(35) C220 Tetrachloroethene (M)

14.93min 116.15ng

response 184907

Ion	Exp%	Act%
166.00	100	100
164.00	75.80	73.27
131.00	69.00	71.09
94.00	39.50	44.04

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

242/401

Client No.

MSB75

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063422

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4029.RR

vel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

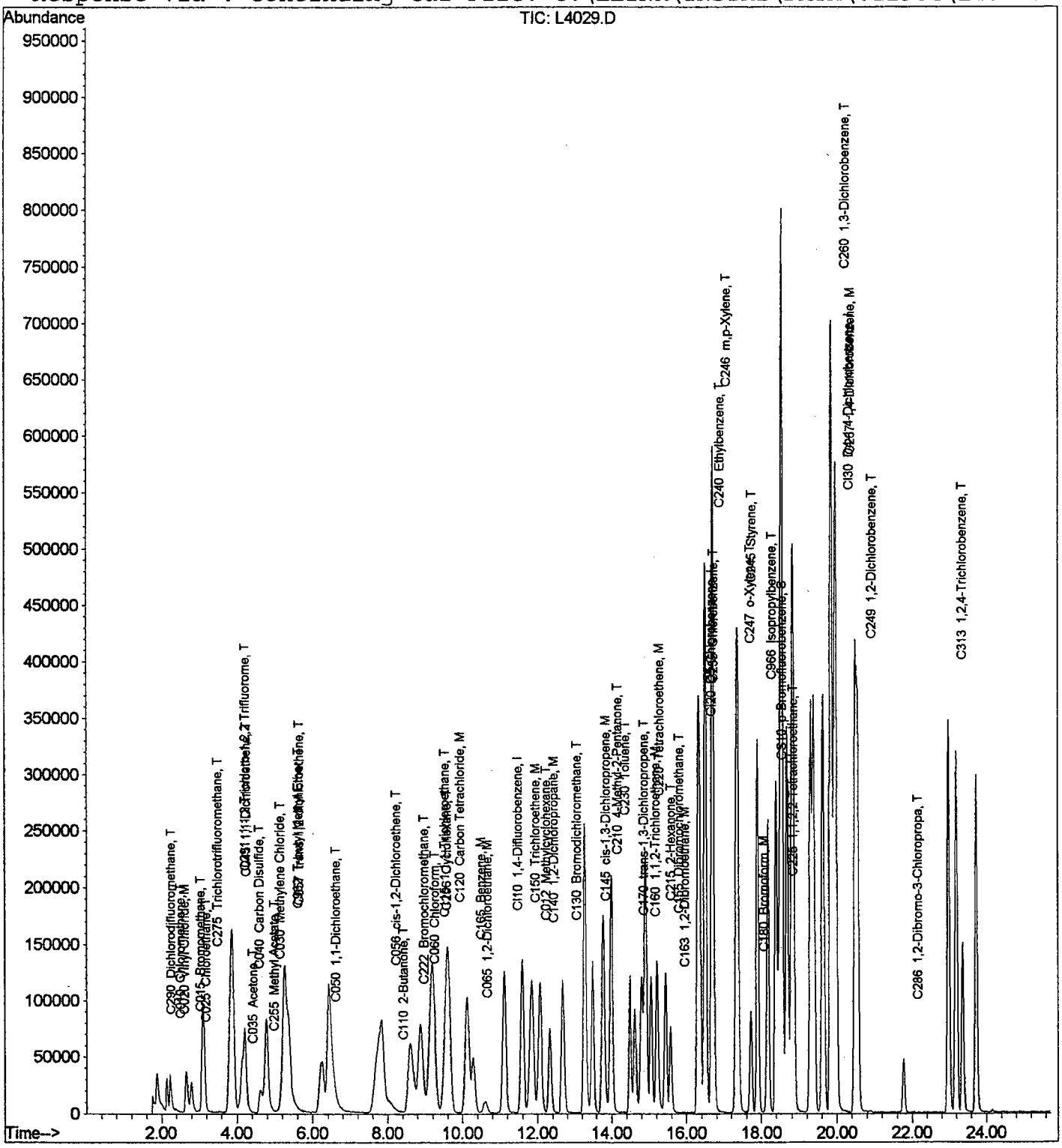
oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	5	
127-18-4	Tetrachloroethene	5	
75-34-3	1,1-Dichloroethane	5	
540-59-0	1,2-Dichloroethene (Total)	10	
79-01-6	Trichloroethene	5	
108-90-7	Chlorobenzene	5	
75-00-3	Chloroethane	4	
75-01-4	Vinyl chloride	4	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4029.D Vial: 2
Acq On : 29 Jan 2004 11:03 Operator: PC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 11:32 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012904\L4027.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4029.D Vial: 2
Acq On : 29 Jan 2004 11:03 Operator: PC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 11:32 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012904\L4027.D (29 Jan 2004 09:29)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.10	114	353363	125.00	ng		-0.01 96.40%
24) CI20	D5-Chlorobenzene	16.30	117	340605	125.00	ng		-0.02 97.97%
48) CI30	D4-1,4-Dichlorobenze	19.94	152	234092	125.00	ng		-0.02 101.89%
System Monitoring Compounds								
45) CS10	p-Bromofluorobenzene	18.18	174	165948	124.18	ng		-0.01
Spiked Amount 125.000	Range 80 - 120			Recovery = 99.34%				
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.88	85	96002	114.47	ng		100
3) C010	Chloromethane	2.14	50	68330	107.42	ng		100
4) C015	Bromomethane	2.66	94	63520	106.34	ng		86
5) C020	Vinyl Chloride	2.24	62	82780	112.15	ng		90
6) C025	Chloroethane	2.80	64	64321	112.85	ng		89
7) C275	Trichlorotrifluorome	3.11	101	231401	108.06	ng		97
8) C030	Methylene Chloride	4.78	84	107405	124.30	ng		89
9) C035	Acetone	4.05	43	41889	648.74	ng		92
10) C040	Carbon Disulfide	4.21	76	245696	129.36	ng		100
11) C045	1,1-Dichloroethene	3.88	96	88866	113.71	ng		92
12) C962	T-butyl Methyl Ether	5.25	73	214144	127.99	ng		88
13) C050	1,1-Dichloroethane	6.25	63	224744	128.52	ng		97
14) C057	trans-1,2-dichloroet	5.28	96	112235	125.89	ng		96
15) C056	cis-1,2-Dichloroethe	7.85	96	122156	124.79	ng		94
16) C060	Chloroform	8.88	83	274163	129.90	ng		96
17) C222	Bromochloromethane	8.60	128	61621	128.89	ng	#	90
18) C065	1,2-Dichloroethane	10.29	62	150003	133.74	ng		60
19) C110	2-Butanone	8.04	43	93544	619.47	ng		78
20) C255	Methyl Acetate	4.61	43	35351	131.97	ng		95
21) C291	1,1,2 Trichloro-1,2,	3.85	101	153467	119.60	ng		81
22) C256	Cyclohexane	9.20	56	175484	130.57	ng		98
23) C012	Methylcyclohexane	11.85	83	174797	128.67	ng		93
25) C115	1,1,1-Trichloroethan	9.15	97	244111	134.36	ng		92
26) C120	Carbon Tetrachloride	9.56	117	215686	131.47	ng		97
27) C150	Trichloroethene	11.58	95	152547	131.93	ng		90
28) C130	Bromodichloromethane	12.68	83	232436	131.02	ng		100
29) C140	1,2-Dichloropropane	12.06	63	142880	128.33	ng		98

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

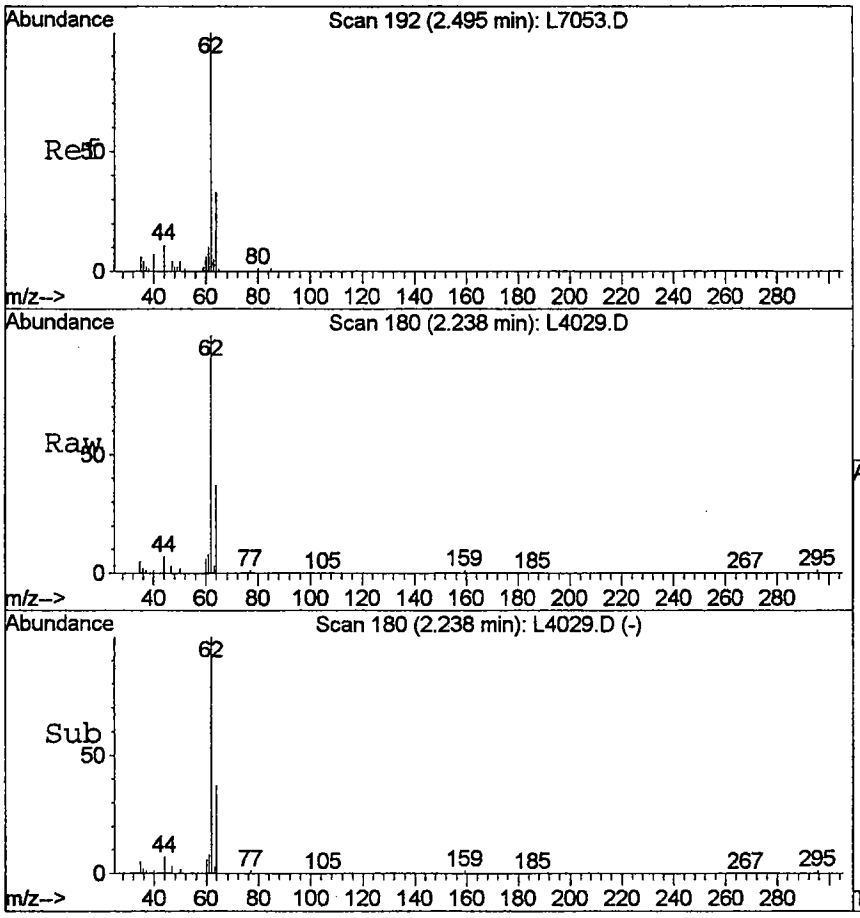
Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4029.D Vial: 2
Acq On : 29 Jan 2004 11:03 Operator: PC
Sample : LCS Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 11:32 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.48	75	205166	128.53	ng		97
31)	C165	Benzene	10.13	78	344738	123.00	ng		100
32)	C155	Dibromochloromethane	15.43	129	177149	135.69	ng		91
33)	C170	trans-1,3-Dichloropr	14.49	75	171029	129.17	ng		98
34)	C160	1,1,2-Trichloroethan	14.80	83	94950	128.91	ng		94
35)	C220	Tetrachloroethene	14.90	166	184186	127.10	ng		97
36)	C163	1,2-Dibromoethane	15.58	109	131171	130.07	ng		99
37)	C210	4-Methyl-2-Pentanone	13.78	43	415138	669.19	ng	#	73
38)	C215	2-Hexanone	15.20	43	276683	662.48	ng		99
39)	C230	Toluene	13.99	91	424148	128.73	ng		99
40)	C235	Chlorobenzene	16.35	112	342908	132.49	ng		98
41)	C240	Ethylbenzene	16.51	91	559021	132.11	ng		98
42)	C246	m,p-Xylene	16.70	106	456803	246.13	ng		95
43)	C247	o-Xylene	17.33	106	225746	127.24	ng	#	82
44)	C245	Styrene	17.36	104	364932	132.17	ng		95
46)	C966	Isopropylbenzene	17.90	105	638456	129.81	ng		98
47)	C225	1,1,2,2-Tetrachloroe	18.46	83	164068	133.84	ng	#	80
49)	C180	Bromoform	17.70	173	102281	126.01	ng		95
50)	C260	1,3-Dichlorobenzene	19.84	146	359432	125.31	ng		96
51)	C267	1,4-Dichlorobenzene	19.98	146	378933	126.63	ng		97
52)	C249	1,2-Dichlorobenzene	20.55	146	336221	124.60	ng		97
53)	C286	1,2-Dibromo-3-Chloro	21.78	75	35804	127.19	ng		96
54)	C313	1,2,4-Trichlorobenze	22.98	180	261119	162.85	ng		95

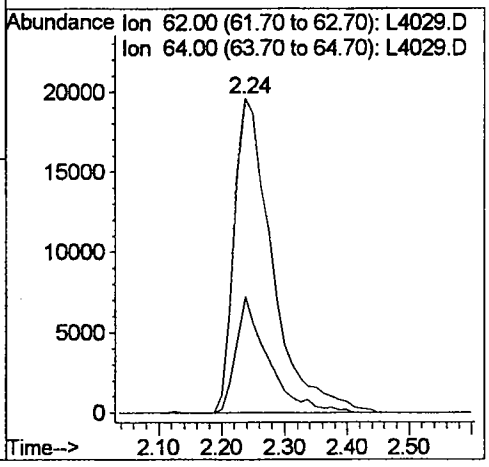
(#) = qualifier out of range (m) = manual integration

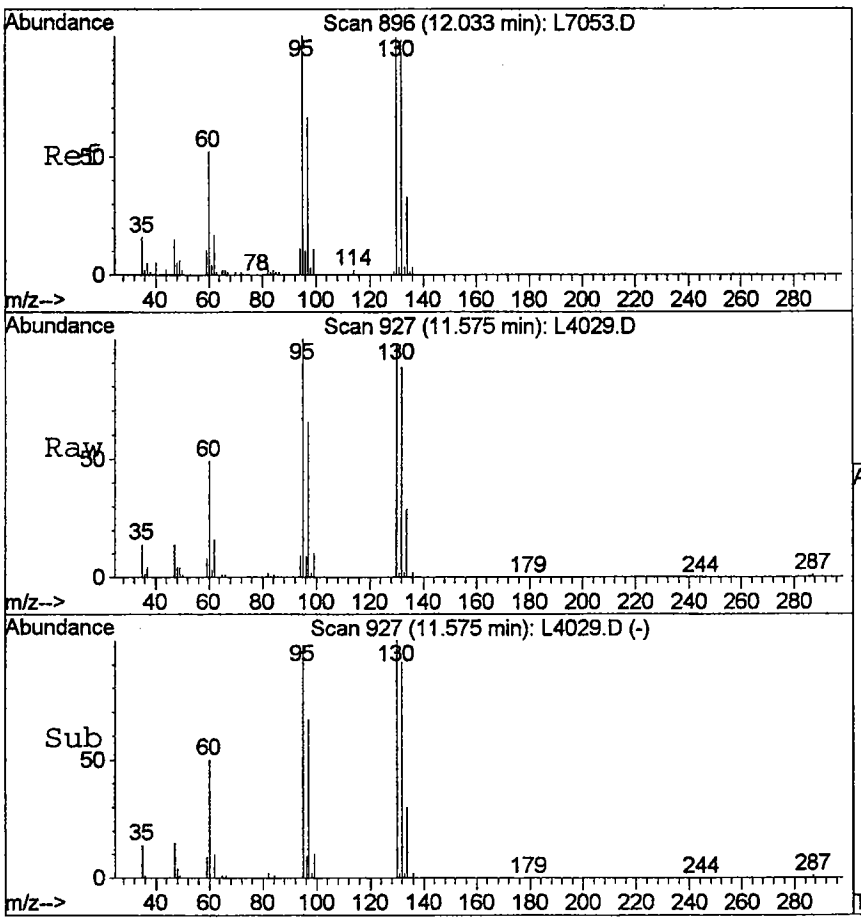


#5
C020 Vinyl Chloride
Concen: 112.15 ng
RT: 2.24 min Scan# 180
Delta R.T. 0.00 min
Lab File: L4029.D
Acq: 29 Jan 2004 11:03

Tgt Ion: 62 Resp: 82780

Ion	Ratio	Lower	Upper
62	100		
64	36.8	11.3	51.3

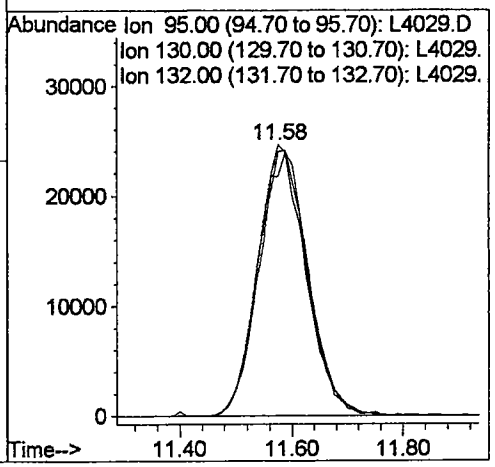


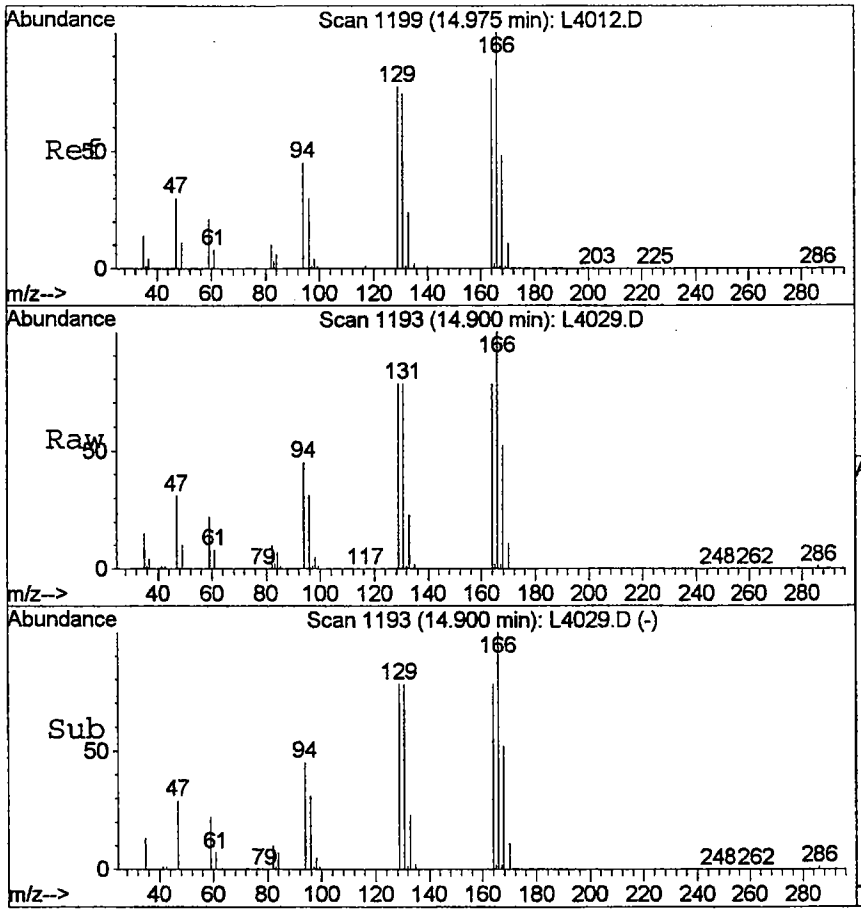


#27
C150 Trichloroethene
Concen: 131.93 ng
RT: 11.58 min Scan# 927
Delta R.T. -0.03 min
Lab File: L4029.D
Acq: 29 Jan 2004 11:03

Tgt Ion: 95 Resp: 152547

Ion	Ratio	Lower	Upper
95	100		
130	97.2	68.6	103.0
132	88.2	64.8	97.2

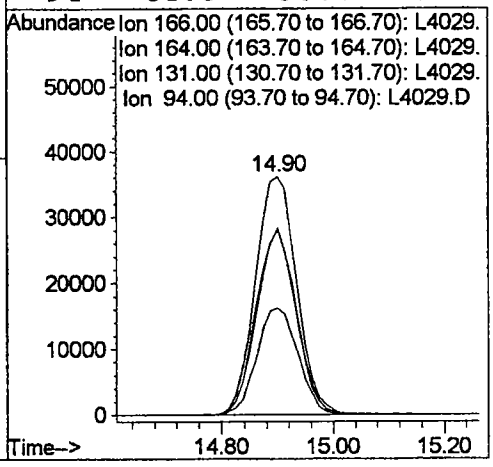




#35
C220 Tetrachloroethene
Concen: 127.10 ng
RT: 14.90 min Scan# 1193
Delta R.T. -0.07 min
Lab File: L4029.D
Acq: 29 Jan 2004 11:03

Tgt Ion:166 Resp: 184186

Ion	Ratio	Lower	Upper
166	100		
164	78.2	63.8	95.8
131	77.7	59.0	88.6
94	44.8	36.0	54.0



ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

248/401

Client No.

MW-6 MS

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063413MS

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4030.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

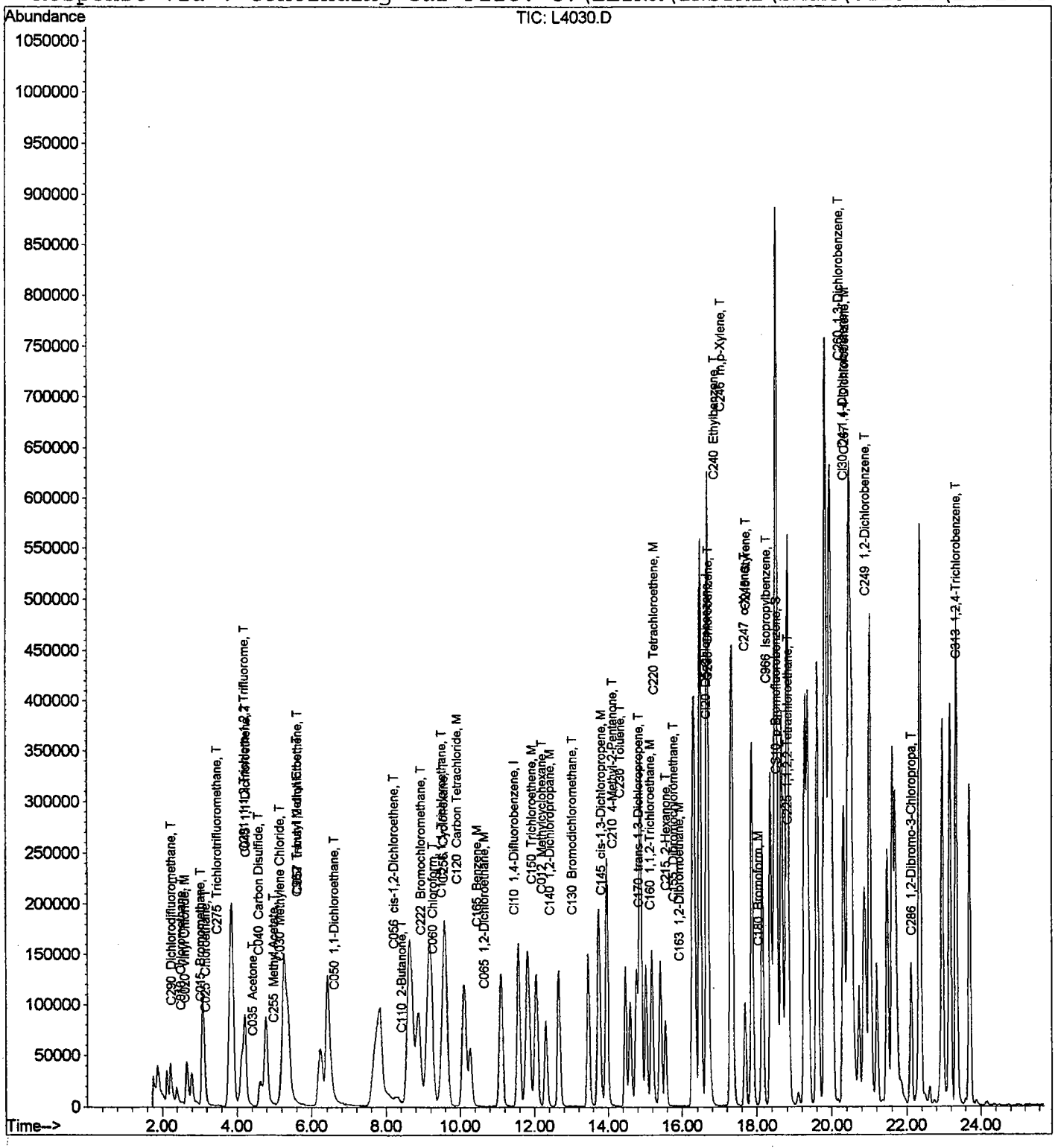
C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	6	
127-18-4	Tetrachloroethene	8	
75-34-3	1,1-Dichloroethane	6	
540-59-0	1,2-Dichloroethene (Total)	11	
79-01-6	Trichloroethene	6	
108-90-7	Chlorobenzene	6	
75-00-3	Chloroethane	5	
75-01-4	Vinyl chloride	5	

Data File : C:\ELINK\INSTR1\DATA\012904\L4030.D Vial: 3
Acq On : 29 Jan 2004 11:41 Operator: PC
Sample : A4063413MS B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 12:09 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012904\L4027.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4030.D Vial: 3
Acq On : 29 Jan 2004 11:41 Operator: PC
Sample : A4063413MS B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 12:09 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012904\L4027.D (29 Jan 2004 09:29)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.09	114	373306	125.00	ng	-0.03 / 101.84%
24) CI20	D5-Chlorobenzene	16.28	117	352574	125.00	ng	-0.05 / 101.41%
48) CI30	D4-1,4-Dichlorobenze	19.93	152	243211	125.00	ng	-0.04 / 105.85%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.15	174	176003	127.24	ng	-0.04
Spiked Amount 125.000	Range 80 - 120			Recovery = 101.79%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.88	85	85433	96.42	ng	100
3) C010	Chloromethane	2.14	50	74835	111.36	ng	99
4) C015	Bromomethane	2.66	94	71331	113.04	ng	94
5) C020	Vinyl Chloride	2.24	62	90709	116.33	ng	94
6) C025	Chloroethane	2.79	64	75202	124.89	ng	96
7) C275	Trichlorotrifluorome	3.10	101	272324	120.38	ng	98
8) C030	Methylene Chloride	4.79	84	111175	121.79	ng	88
9) C035	Acetone	4.05	43	46059	675.22	ng	84
10) C040	Carbon Disulfide	4.21	76	306841	152.93	ng	100
11) C045	1,1-Dichloroethene	3.88	96	102801	124.51	ng	97
12) C962	T-butyl Methyl Ether	5.25	73	253501	143.42	ng	94
13) C050	1,1-Dichloroethane	6.24	63	265841	143.89	ng	99
14) C057	trans-1,2-dichloroet	5.26	96	128449	136.38	ng	97
15) C056	cis-1,2-Dichloroethe	7.84	96	141623	136.94	ng	98
16) C060	Chloroform	8.89	83	306809	137.60	ng	93
17) C222	Bromochloromethane	8.57	128	70071	138.73	ng	# 88
18) C065	1,2-Dichloroethane	10.28	62	171703	144.91	ng	60
19) C110	2-Butanone	8.04	43	116127	727.93	ng	79
20) C255	Methyl Acetate	4.61	43	41141	145.38	ng	82
21) C291	1,1,2 Trichloro-1,2,	3.84	101	200610	147.98	ng	83
22) C256	Cyclohexane	9.19	56	229642	161.74	ng	92
23) C012	Methylcyclohexane	11.83	83	227295	158.38	ng	89
25) C115	1,1,1-Trichloroethan	9.14	97	275433	146.46	ng	96
26) C120	Carbon Tetrachloride	9.55	117	257845	151.83	ng	97
27) C150	Trichloroethene	11.56	95	177494	148.29	ng	88
28) C130	Bromodichloromethane	12.65	83	271450	147.81	ng	97
29) C140	1,2-Dichloropropane	12.05	63	158001	137.09	ng	99

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

Data File : C:\ELINK\INSTR1\DATA\012904\L4030.D Vial: 3
Acq On : 29 Jan 2004 11:41 Operator: PC
Sample : A4063413MS B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 12:09 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.45	75	231947	140.37	ng		99
31)	C165	Benzene	10.09	78	418640	144.30	ng		97
32)	C155	Dibromochloromethane	15.40	129	202161	149.59	ng		98
33)	C170	trans-1,3-Dichloropr	14.46	75	195377	142.55	ng		96
34)	C160	1,1,2-Trichloroethan	14.78	83	108347	142.11	ng		96
35)	C220	Tetrachloroethene	14.88	166	286681	191.11	ng		96
36)	C163	1,2-Dibromoethane	15.55	109	150342	144.02	ng		94
37)	C210	4-Methyl-2-Pentanone	13.75	43	455629	709.52	ng	#	78
38)	C215	2-Hexanone	15.19	43	317408	734.19	ng		100
39)	C230	Toluene	13.96	91	486048	142.51	ng		97
40)	C235	Chlorobenzene	16.33	112	393688	146.95	ng		98
41)	C240	Ethylbenzene	16.49	91	648344	148.02	ng		99
42)	C246	m,p-Xylene	16.68	106	523093	272.28	ng		90
43)	C247	o-Xylene	17.30	106	257203	140.05	ng		89
44)	C245	Styrene	17.34	104	374243	130.94	ng		95
46)	C966	Isopropylbenzene	17.88	105	715171	140.47	ng		100
47)	C225	1,1,2,2-Tetrachloroe	18.45	83	181795	143.27	ng		85
49)	C180	Bromoform	17.68	173	117347	139.15	ng		96
50)	C260	1,3-Dichlorobenzene	19.81	146	411898	138.22	ng		97
51)	C267	1,4-Dichlorobenzene	19.96	146	414857	133.44	ng		97
52)	C249	1,2-Dichlorobenzene	20.53	146	378761	135.10	ng		95
53)	C286	1,2-Dibromo-3-Chloro	21.75	75	44150	150.96	ng		94
54)	C313	1,2,4-Trichlorobenze	22.96	180	281242	168.83	ng		95

2/2/04

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

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

252/401

Client No.

MW-6 SD

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063413SD

mple wt/vol: 25.00 (g/mL) ML Lab File ID: L4031.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 01/29/2004

C Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

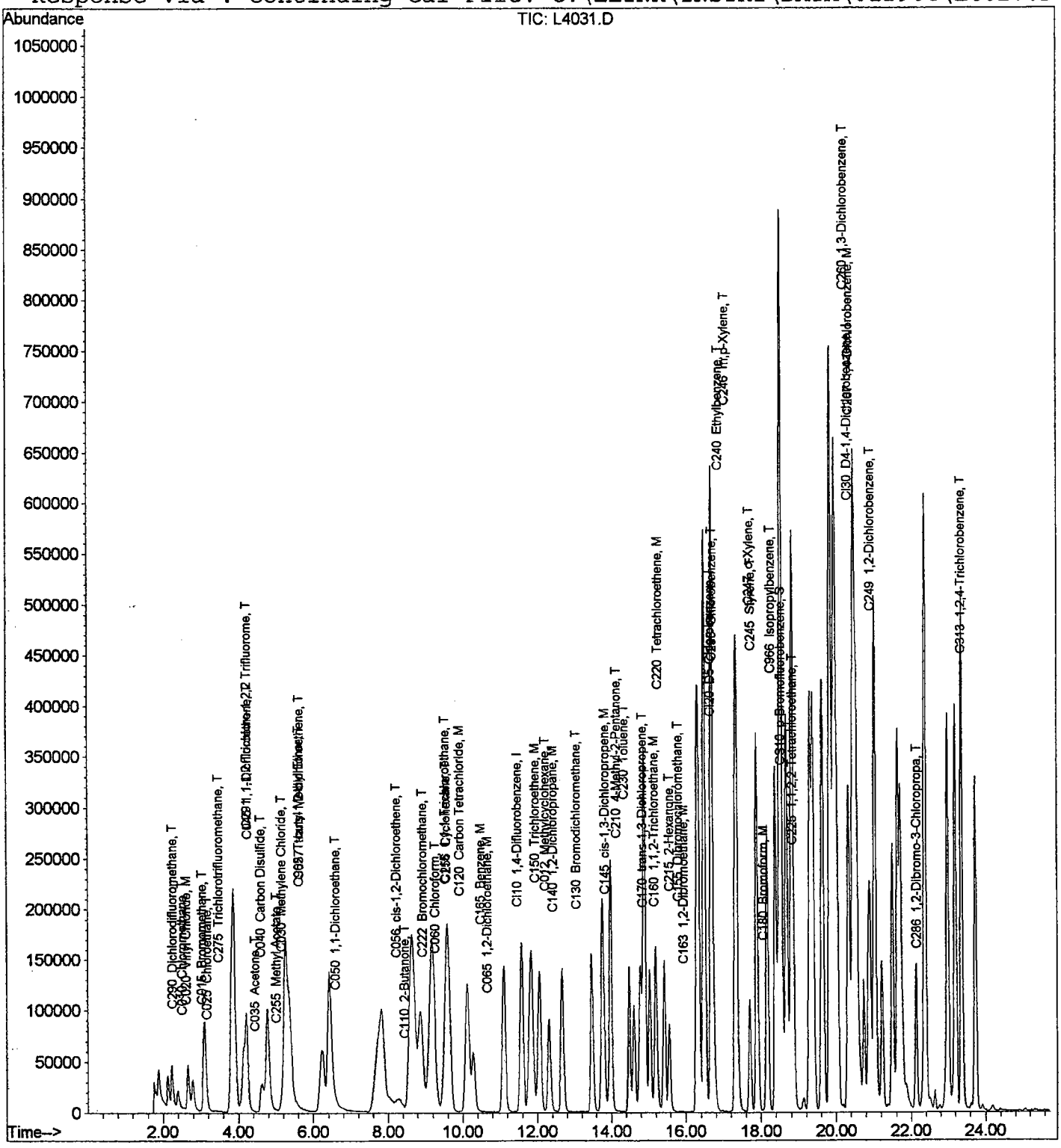
oil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	6	
127-18-4	Tetrachloroethene	7	
75-34-3	1,1-Dichloroethane	6	
540-59-0	1,2-Dichloroethene (Total)	11	
79-01-6	Trichloroethene	6	
108-90-7	Chlorobenzene	5	
75-00-3	Chloroethane	4	
75-01-4	Vinyl chloride	5	

Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4031.D Vial: 4
Acq On : 29 Jan 2004 12:12 Operator: PC
Sample : A4063413SD B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 12:56 19104 Quant Results File: LOWCLP.RES

Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Continuing Cal File: C:\ELINK\INSTR1\DATA\012904\L4027.D



Quantitation Report

Data File : C:\ELINK\INSTR1\DATA\012904\L4031.D Vial: 4
Acq On : 29 Jan 2004 12:12 Operator: PC
Sample : A4063413SD B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 12:56 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M
IS QA File : C:\ELINK\INSTR1\DATA\012904\L4027.D (29 Jan 2004 09:29)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	11.10	114	408364	125.00	ng	-0.01 111.40%
24) CI20	D5-Chlorobenzene	16.29	117	381508	125.00	ng	-0.04 109.73%
48) CI30	D4-1,4-Dichlorobenze	19.94	152	258595	125.00	ng	-0.02 112.55%
System Monitoring Compounds							
45) CS10	p-Bromofluorobenzene	18.16	174	180941	120.88	ng	-0.02
Spiked Amount 125.000	Range 80 - 120			Recovery = 96.70%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.88	85	87173	89.94	ng	95
3) C010	Chloromethane	2.14	50	77972	106.07	ng	100
4) C015	Bromomethane	2.66	94	69109	100.11	ng	89
5) C020	Vinyl Chloride	2.24	62	99247	116.35	ng	97
6) C025	Chloroethane	2.79	64	72606	110.23	ng	94
7) C275	Trichlorotrifluorome	3.10	101	217646	87.95	ng	99
8) C030	Methylene Chloride	4.79	84	130916	131.10	ng	95
9) C035	Acetone	4.08	43	55897	749.09	ng	83
10) C040	Carbon Disulfide	4.23	76	328674	149.74	ng	100
11) C045	1,1-Dichloroethene	3.88	96	120459	133.37	ng	89
12) C962	T-butyl Methyl Ether	5.25	73	275783	142.63	ng	92
13) C050	1,1-Dichloroethane	6.23	63	289905	143.45	ng	97
14) C057	trans-1,2-dichloroet	5.26	96	151201	146.76	ng	92
15) C056	cis-1,2-Dichloroethe	7.85	96	154701	136.75	ng	95
16) C060	Chloroform	8.89	83	319121	130.84	ng	98
17) C222	Bromochloromethane	8.56	128	79928	144.66	ng	91
18) C065	1,2-Dichloroethane	10.29	62	175085	135.08	ng	56
19) C110	2-Butanone	8.06	43	129319	741.03	ng	82
20) C255	Methyl Acetate	4.64	43	45412	146.69	ng	84
21) C291	1,1,2 Trichloro-1,2,	3.86	101	216041	145.69	ng	79
22) C256	Cyclohexane	9.19	56	240963	155.14	ng	92
23) C012	Methylcyclohexane	11.84	83	234857	149.60	ng	89
25) C115	1,1,1-Trichloroethan	9.16	97	282963	139.05	ng	96
26) C120	Carbon Tetrachloride	9.55	117	255849	139.23	ng	97
27) C150	Trichloroethene	11.58	95	192953	148.98	ng	90
28) C130	Bromodichloromethane	12.68	83	284796	143.32	ng	95
29) C140	1,2-Dichloropropane	12.05	63	173840	139.40	ng	98

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

Data File : C:\ELINK\INSTR1\DATA\012904\L4031.D Vial: 4
Acq On : 29 Jan 2004 12:12 Operator: PC
Sample : A4063413SD B Inst : I50L
Misc : Multiplr: 1.00
MS Integration Params: RTEINT2.P
Quant Time: Jan 29 12:56 19104 Quant Results File: LOWCLP.RES

Quant Method : C:\ELINK\INSTR1\QUANT\LOWCLP.M (RTE Integrator)
Title : I50L CLP LOW LEVEL WATER
Last Update : Thu Jan 29 10:30:08 2004
Response via : Single (C:\ELINK\INSTR1\DATA\012904\L4027.D 29 Jan 2004 09:
DataAcq Meth : METHOD.M

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
30)	C145	cis-1,3-Dichloroprop	13.46	75	248841	139.17	ng		93
31)	C165	Benzene	10.11	78	443359	141.23	ng		96
32)	C155	Dibromochloromethane	15.43	129	205978	140.85	ng		97
33)	C170	trans-1,3-Dichloropr	14.48	75	200309	135.06	ng		100
34)	C160	1,1,2-Trichloroethan	14.79	83	115556	140.07	ng		96
35)	C220	Tetrachloroethene	14.89	166	301028	185.45	ng		96
36)	C163	1,2-Dibromoethane	15.56	109	156020	138.13	ng		94
37)	C210	4-Methyl-2-Pentanone	13.76	43	490774	706.29	ng	#	79
38)	C215	2-Hexanone	15.19	43	335768	717.76	ng		97
39)	C230	Toluene	13.98	91	504822	136.79	ng		96
40)	C235	Chlorobenzene	16.34	112	396178	136.66	ng		98
41)	C240	Ethylbenzene	16.50	91	649592	137.06	ng		94
42)	C246	m,p-Xylene	16.69	106	556598	267.75	ng		89
43)	C247	o-Xylene	17.32	106	272362	137.06	ng	#	85
44)	C245	Styrene	17.36	104	383222	123.91	ng		98
46)	C966	Isopropylbenzene	17.89	105	742460	134.77	ng		98
47)	C225	1,1,2,2-Tetrachloroe	18.46	83	196057	142.79	ng	#	79
49)	C180	Bromoform	17.70	173	123962	138.25	ng		97
50)	C260	1,3-Dichlorobenzene	19.84	146	417974	131.91	ng		97
51)	C267	1,4-Dichlorobenzene	19.98	146	434109	131.32	ng		99
52)	C249	1,2-Dichlorobenzene	20.55	146	396776	133.11	ng		96
53)	C286	1,2-Dibromo-3-Chloro	21.78	75	45449	146.16	ng		94
54)	C313	1,2,4-Trichlorobenze	22.99	180	297782	168.12	ng		98

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

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID	JOB #	INJ. VOL.	EXT. WHT.	D.F.	STANDARD MIX #	I.S. /
1/26/04	2004	MR	L3960	A41060106 A	0601	25_1	—	1		IS
	2036		L3961	02 A						
	2108		L3962	08 A						
1/27/04	0844	MR	L3963	0127BFBL1		25_1			WS1H-1	IS
	0934		L3964	VSTD010					WS6S-1, WS12R-1, WS13AV-1	
	1021		L3965	MSB					WS30-4	
	1054		L3966	VBLK72						
	1127		L3967	A40453 01 A	0453			1		
	1159		L3968	A40601 09 A	0601					
	1231		L3969	10 A						
	1304		L3970	A40642 01 A	0642					
	1336		L3971	02 A						
	1411		L3972	03 A						
	1444		L3973	04 A						
	1517		L3974	05 A						
	1550		L3975	06 A						
	1622		L3976	01MS B				1	WS30-4	
	1656		L3977	0150 C						
	1728		L3978	BLK						
	1801		L3979	LCS					WS6S-1, WS19P-2	
	1834		L3980	LCSD						
		CDC/RJG	L3981	0127BFBL2						
1/28/04	0849	MR	L3982	0128BFBL1		25_1			WS1H-1	IS
	0947		L3983	VSTD025					WS6S-2, WS12R-2, WS13AV-2	
	1019		L3984	VSTD010						
	1051		L3985	VSTD005						
	1123		L3986	VSTD002						
	1156		L3987	VSTD001						
	1249		L3988	VBLK73						

000012

STL BUFFALO

Reviewed By MR

NO. 256/401

GCMS VOLATILE INJECTION LOG

MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH<2	COMMENTS
42		90	89	78	95	92	97	84		✓	
		97	84	84	95	96	91	87		✓	
42		94	96	84	96	95	94	85		✓	
											Pass
											8260 25ml (A4I 0044)
		108	103	89	97	94	93	86		—	
		103	97	85	97	95	95	85		—	
		103	97	85	95	93	95	86		✓	
		101	96	77	96	95	94	81		✓	
		103	96	84	94	94	96	87		✓	
		103	98	81	95	92	94	82		✓	
		100	97	82	98	99	91	81		✓	
		102	97	83	96	94	94	84		✓	
		103	100	86	95	94	92	83		✓	
		100	97	81	99	97	95	84		✓	
		103	99	77	97	94	92	85		✓	
		105	102	90	94	97	94	86		✓	
		113	108	94	94	94	92	84		✓	
		108	104	84	96	96	93	83		—	
		128	118	111	93	93	94	84		—	
		138	131	117	94	92	97	86		—	
											Pass
											10/92 25ml
											(A4I 0065)
		98	89	86	97	—	—	—		—	

Date 12/20/04

NO. 000013

Page 2

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID	JOB #	INJ. VOL.	EXT. WHT.	D.F.	STANDARD MIX #	I.S. / SS MIX #	AUTO #	I.S. #1 % REC.	I.S.
1/28/04	1337	RL	L3989	LCS	—	25 l	—	—	WS65-2, WS19P-2	IS56G		95	0
	1413		L3990	A4063401	0634			1				93	93
	1445		L3991	02				1				93	93
	1518		L3992	03				5				101	96
	1551		L3993	04				1				94	9
	1624		L3994	05				1				88	8
	1656		L3995	06				10				88	8
	1729		L3996	15				10				85	8
	1802		L3997	07				1				84	8
	1834		L3998	08				1				85	8
	1907		L3999	09				1				87	8
	1940		L4000	15MS				10	WS65-2, WS19P-2			90	9
	2012		L4001	15SD				10				89	
		RL	L4002	10				1					
			L4003	11				1					
			L4004	12				1					
			L4005	13				1					
			L4006	13MS				1	WS65-2, WS19P-2				
			L4007	13SD				1					
			L4008	14				1					
			L4009	16				1					
			L4010	03				1					
			L400 [illegible]										
1/28/04	2104	CDL	L4011	0128BFBL2	QC	25 l			WS11A-1				
	2135		L4012	VSTD005					WS65-2, WS19R-2, WS17AV-2	IS56G			
	2210		L4013	VBLK74								105	
	2300		L4014	LCS					WS65-2, WS19P-2			99	
	2333		L4015	A4063407 II	0634			1				101	
	0004		L4016	06 II				1				97	

STL BUFFALO 000014

Reviewed By RL NO. ______ Page 1

Date 1/29/04

258/4

GCMS VOLATILE INJECTION LOG

MIX #	AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH<2	COMMENTS
G		95	98	103	101						
		93	93	93	98					✓	
		93	93	93	98					✓	
		101	96	92	97				Y	✓	DF1
		94	97	77	95					✓	
		88	84	77	98					✓	
		88	86	76	99				Y	✓	DF1
		84	84	81	99				Y	✓	DF1
		84	81	81	99					✓	
		85	82	78	100					✓	
		87	87	79	100					✓	
		90	91	96	106					—	
		89	91	94	101					—	
											Not used OK 1/28/04
		105	101	97	99					—	PASS 10/92 25 ℓ (A4I.0065)
		99	100	101	103					—	
		101	94	89	99					✓	
		97	93	80	98					✓	

Date 1/29/04

LOG NO: 000015

GCMS VOLATILE INJECTION LOG

DATE	TIME	ANALYST	FILE #	SAMPLE ID	JOB #	INJ. VOL.	EXT. WHT.	D.F.	STANDARD MIX #	I.S. / SS MIX #	AUTO #	I.S. #1 % REC.
12/28/04	0039	CK	L4017	A406345 B	0634	25.0	—	1	—	TSS6G		94
	0111		L4018	10				1				90
	0144		L4019	11				1				92
	0217		L4020	12				1				89
	0250		L4021	14				1				89
	0322		L4022	16				1				86
	0355		L4023	17				1				88
	0429		L4024	17MS				1	WS6S-2 WS19P-2			107
	0500		L4025	17SD				1				118
12/29/04	0858	MK	L4026	0129 BFBL1	—	25.1	—	—	WS1H-1	IS56G		
	0929		L4027	VSTD005					WS6S-2, WS12R-2, WS19V-2			
	1027		L4028	VBLK75								92
	1103		L4029	LCS					WS6S-2, WS19P-2			96
	1141		L4030	A406341 13MS	0634			1				102
	1212		L4031	1350	"	"	"	1	"			111
12/30/04		MK	L4032	A000410	—	25.1	—	—	WS5M-2, WS20X-1	IS52GZ		
			L4033	A000320								
			L4034	A000316								
			L4035	A000301								
			L4036	A000304								

STL BUFFALO 000016

Reviewed By _____ NO. _____ Page 1

Date _____

2601

GCMS VOLATILE INJECTION LOG

AUTO #	I.S. #1 % REC.	I.S. #2 % REC.	I.S. #3 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	REANALYSIS?	pH<2	COMMENTS
	94	89	82	95					/	
	90	88	73	98					/	
	92	86	70	97					/	
	89	83	77	96					/	
	89	82	78	97					/	
	86	80	73	100					/	
	88	83	80	98					/	
	107	105	101	104				Y	/	spiked wrong @250
	118	109	101	98				1	/	" " @250×125
										Pass
										CLP 10/92 141 0065
	92	90	80	96					—	
	96	98	102	99					—	
	102	101	106	102					✓	
	111	110	113	97					✓	

Date _____

NO: 000017 Page 2

SEMIVOLATILES DATA

QC SUMMARY

ASP 2000 - METHOD 8270 SELECT LIST
WATER SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	2CP %REC	#	2FP %REC	#	DCB %REC	#	FBP %REC	#	NBZ %REC	#	PHL %REC	#	TBP %REC	#	TPH %REC	#	TOT OUT
1	A-26S	81		48		78		92		90		33		96		100		0
2	A-27S	80		49		77		91		89		33		93		91		0
3	A-42S	80		50		79		96		95		34		92		84		0
4	A-43S	64		33		73		91		88		21		79		90		0
5	DG-1	81		48		79		99		92		32		96		99		0
6	DUP-1	78		48		74		93		90		32		92		95		0
7	Field Blank	72		43		67		85		82		28		88		91		0
8	Matrix Spike Blank	87		55		76		100		98		37		108		110		0
9	ME-14	78		49		76		94		90		33		95		99		0
10	ME-18	62		28		80		99		95		18		86		102		0
11	ME-19	62		41		53		69		63		27		73		88		0
12	MW-10	82		53		77		100		89		36		99		111		0
13	MW-2	71		43		67		88		81		28		87		94		0
14	MW-20	77		48		75		93		87		33		92		93		0
15	MW-6	72		44		70		88		82		30		84		94		0
16	MW-6 MS	79		50		76		95		89		34		96		101		0
17	MW-6 SD	77		47		75		94		88		32		98		104		0
18	MW-8	83		52		80		100		93		34		99		110		0
19	S Blank	74		50		62		79		75		36		85		96		0

			QC LIMITS
2CP	=	2-Chlorophenol-d4	(33-110)
2FP	=	2-Fluorophenol	(21-110)
DCB	=	1,2-Dichlorobenzene-d4	(16-110)
FBP	=	2-Fluorobiphenyl	(43-116)
NBZ	=	Nitrobenzene-D5	(35-114)
PHL	=	Phenol-D5	(10-110)
TBP	=	2,4,6-Tribromophenol	(10-123)
TPH	=	p-Terphenyl-d14	(33-141)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

ASP 2000 - METHOD 8270 SELECT LIST
WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4063413

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix Spike - Client Sample No.: MW-6

COMPOUND	SPIKE ADDED UG/L	SAMPLE CONCENTRATION UG/L	MS CONCENTRATION UG/L	MS % REC #	QC LIMITS REC.
Phenol	75.0	0	26.9	36	12 - 110

COMPOUND	SPIKE ADDED UG/L	MSD CONCENTRATION UG/L	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75.0	24.9	33	9	42	12 - 110

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

Values outside of QC limits

PD: 0 out of 1 outside limits
pike recovery: 0 out of 2 outside limits

omments: _____

ASP 2000 - METHOD 8270 SELECT LIST
WATER MATRIX SPIKE BLANK RECOVERY

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4B0515902

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix Spike - Client Sample No.: S Blank

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
Phenol	75.0	29.3	39	12 - 110

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

Values outside of QC limits

pike recovery: 0 out of 1 outside limits

omments: _____

ASP 2000 - METHOD 8270 SELECT LIST
METHOD BLANK SUMMARY

267/401
Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

ab File ID: Z59874.RR Lab Sample ID: A4B0515902

nstrument ID: I50Z-A Date Extracted: 01/28/2004

atrix: (soil/water) WATER Date Analyzed: 02/02/2004

evel: (low/med) LOW Time Analyzed: 12:17

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	A-26S	A4063401	Z59875.RR	02/02/2004
2	A-27S	A4063402	Z59876.RR	02/02/2004
3	A-42S	A4063403	Z59877.RR	02/02/2004
4	A-43S	A4063404	Z59878.RR	02/02/2004
5	DG-1	A4063405	Z59879.RR	02/02/2004
6	DUP-1	A4063406	Z59880.RR	02/02/2004
7	Field Blank	A4063407	Z59881.RR	02/02/2004
8	Matrix Spike Blank	A4B0515901	Z59873.RR	02/02/2004
9	ME-14	A4063408	Z59882.RR	02/02/2004
10	ME-18	A4063409	Z59883.RR	02/02/2004
11	ME-19	A4063410	Z59884.RR	02/02/2004
12	MW-10	A4063415	Z59891.RR	02/02/2004
13	MW-2	A4063411	Z59885.RR	02/02/2004
14	MW-20	A4063412	Z59886.RR	02/02/2004
15	MW-6	A4063413	Z59887.RR	02/02/2004
16	MW-6 MS	A4063413MS	Z59888.RR	02/02/2004
17	MW-6 SD	A4063413SD	Z59889.RR	02/02/2004
18	MW-8	A4063414	Z59890.RR	02/02/2004

omments: _____

SHAW E & I
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL Buffalo Contract: _____ Tune ID: A3T0003162

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: Z59732 DFTPP Injection Date: 12/13/2003

Instrument ID: I50Z-A DFTPP Injection Time: 09:57

m/e	ION Abundance Criteria	% Relative Abundance		
51	30.0 - 60.0% of mass 198	45.4		
68	Less than 2.0% of mass 69	0.5	(1.0)	1
69	Present	46.4		
70	Less than 2.0% of mass 69	0.0	(0.1)	1
127	40.0 - 60.0% of mass 198	45.8		
197	Less than 1.0% of mass 198	0.0		
198	Base peak, 100% relative abundance	100.0		
199	5.0 - 9.0% of mass 198	6.3		
275	10.0 - 30.0% of mass 198	23.9		
365	Greater than 1.00% of mass 198	1.9		
441	Present, but less than mass 443	9.3		
442	40.0 - 110.0% of mass 198	76.4		
443	17.0 - 23.0% of mass 442	13.6	(17.8)	2

1-Value is % mass 69 2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD020	A3I0001545-1	Z59734.RR	12/13/2003	10:52
2	SSTD050	A3I0001545-1	Z59735.RR	12/13/2003	11:26
3	SSTD080	A3I0001545-1	Z59736.RR	12/13/2003	12:01
4	SSTD120	A3I0001545-1	Z59737.RR	12/13/2003	12:35
5	SSTD160	A3I0001545-1	Z59738.RR	12/13/2003	13:09

SHAW E & I
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL Buffalo Contract: _____ Tune ID: A4T0000212

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: Z59871 DFTPP Injection Date: 02/02/2004

Instrument ID: I50Z-A DFTPP Injection Time: 10:41

m/e	ION Abundance Criteria	% Relative Abundance		
51	30.0 - 60.0% of mass 198	42.1		
68	Less than 2.0% of mass 69	0.0	(0.0)	1
69	Present	42.5		
70	Less than 2.0% of mass 69	0.0	(0.0)	1
127	40.0 - 60.0% of mass 198	43.1		
197	Less than 1.0% of mass 198	0.0		
198	Base peak, 100% relative abundance	100.0		
199	5.0 - 9.0% of mass 198	6.0		
275	10.0 - 30.0% of mass 198	23.9		
365	Greater than 1.00% of mass 198	2.0		
441	Present, but less than mass 443	11.1		
442	40.0 - 110.0% of mass 198	94.1		
443	17.0 - 23.0% of mass 442	17.4	(18.5)	2

1-Value is % mass 69 2-Value is % mass 442

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD050	A4C0000337-1	Z59872.RR	02/02/2004	11:03
2	Matrix Spike Blank	A4B0515901	Z59873.RR	02/02/2004	11:42
3	S Blank	A4B0515902	Z59874.RR	02/02/2004	12:17
4	A-26S	A4063401	Z59875.RR	02/02/2004	12:52
5	A-27S	A4063402	Z59876.RR	02/02/2004	13:27
6	A-42S	A4063403	Z59877.RR	02/02/2004	14:01
7	A-43S	A4063404	Z59878.RR	02/02/2004	14:36
8	DG-1	A4063405	Z59879.RR	02/02/2004	15:10
9	DUP-1	A4063406	Z59880.RR	02/02/2004	15:45
10	Field Blank	A4063407	Z59881.RR	02/02/2004	16:20
11	ME-14	A4063408	Z59882.RR	02/02/2004	16:54
12	ME-18	A4063409	Z59883.RR	02/02/2004	17:29
13	ME-19	A4063410	Z59884.RR	02/02/2004	18:03
14	MW-2	A4063411	Z59885.RR	02/02/2004	18:38
15	MW-20	A4063412	Z59886.RR	02/02/2004	19:13
16	MW-6	A4063413	Z59887.RR	02/02/2004	19:47
17	MW-6 MS	A4063413MS	Z59888.RR	02/02/2004	20:22
18	MW-6 SD	A4063413SD	Z59889.RR	02/02/2004	20:56
19	MW-8	A4063414	Z59890.RR	02/02/2004	21:31
20	MW-10	A4063415	Z59891.RR	02/02/2004	22:06

ASP 2000 - METHOD 8270 SELECT LIST
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000337

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): Z59872.RR Date Analyzed: 02/02/2004

Instrument ID: I50Z-A Time Analyzed: 11:03

		IS1 (ANT) AREA	#	RT	#	IS2 (CRY) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	544301		15.20		955637		21.87		262047		8.20	
	UPPER LIMIT	1088602		15.70		1911274		22.37		524094		8.70	
	LOWER LIMIT	272151		14.70		477819		21.37		131024		7.70	
	CLIENT SAMPLE												
1	A-26S	424136		15.22		782377		21.87		208903		8.22	
2	A-27S	457313		15.22		863545		21.87		214401		8.22	
3	A-42S	430276		15.22		819060		21.87		223804		8.22	
4	A-43S	447441		15.22		810853		21.87		234189		8.22	
5	DG-1	443831		15.22		814703		21.87		230174		8.22	
6	DUP-1	449291		15.22		799481		21.87		241857		8.22	
7	Field Blank	452219		15.22		782234		21.87		241229		8.22	
8	Matrix Spike Blank	455507		15.22		772733		21.87		221826		8.20	
9	ME-14	427393		15.22		757827		21.87		223182		8.22	
0	ME-18	424330		15.22		749135		21.87		219711		8.22	
1	ME-19	412806		15.22		739294		21.87		210566		8.22	
2	MW-10	418554		15.23		727480		21.87		215371		8.22	
3	MW-2	392912		15.22		717645		21.87		205842		8.22	
4	MW-20	416433		15.22		764355		21.87		213253		8.22	
5	MW-6	486150		15.22		834608		21.87		251488		8.22	
6	MW-6 MS	490344		15.23		861120		21.88		241990		8.22	
7	MW-6 SD	489855		15.23		829758		21.87		242459		8.22	
8	MW-8	430466		15.23		760167		21.88		222985		8.22	
9	S Blank	448648		15.22		750064		21.87		217237		8.20	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (ANT) = Acenaphthene-D10	(50-200)	-0.50 / +0.50 min
IS2 (CRY) = Chrysene-D12	(50-200)	-0.50 / +0.50 min
IS3 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

ASP 2000 - METHOD 8270 SELECT LIST
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Buffalo Contract: _____ Labsampid: A4C0000337

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): Z59872.RR Date Analyzed: 02/02/2004

Instrument ID: I50Z-A Time Analyzed: 11:03

		IS4 (NPT) AREA	#	RT	#	IS5(PHN) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	974541		11.08		951902		17.87		887882		24.47	
	UPPER LIMIT	1949082		11.58		1903804		18.37		1775764		24.97	
	LOWER LIMIT	487271		10.58		475951		17.37		443941		23.97	
	CLIENT SAMPLE												
1	A-26S	785785		11.10		747218		17.88		738600		24.47	
2	A-27S	811588		11.10		873707		17.88		796940		24.47	
3	A-42S	818861		11.10		842668		17.88		837969		24.47	
4	A-43S	878410		11.10		810490		17.88		807899		24.48	
5	DG-1	867910		11.10		824646		17.88		795570		24.47	
6	DUP-1	890292		11.10		800640		17.88		805573		24.48	
7	Field Blank	886513		11.10		807258		17.88		783941		24.48	
8	Matrix Spike Blank	833125		11.10		804014		17.88		738471		24.47	
9	ME-14	827317		11.10		770849		17.88		750534		24.48	
0	ME-18	827942		11.10		768690		17.88		731270		24.48	
1	ME-19	788513		11.10		759033		17.88		715623		24.48	
2	MW-10	804635		11.10		741999		17.88		738128		24.48	
3	MW-2	753171		11.10		707127		17.88		735740		24.48	
4	MW-20	794251		11.10		771075		17.88		783832		24.48	
5	MW-6	941179		11.10		903978		17.88		863311		24.48	
6	MW-6 MS	928962		11.10		856900		17.88		879912		24.48	
7	MW-6 SD	929861		11.10		845784		17.88		828735		24.48	
8	MW-8	825712		11.10		775895		17.88		751624		24.48	
9	S Blank	815508		11.10		762291		17.87		703040		24.47	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS4 (NPT) = Naphthalene-D8	(50-200)	-0.50 / +0.50 min
IS5 (PHN) = Phenanthrene-D10	(50-200)	-0.50 / +0.50 min
IS6 (PRY) = Perylene-D12	(50-200)	-0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

LAB: RECNY
METHOD: 8270
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEPT
ASP00	8270	MB	A	0,0,0-Triethylphosphorothioate	330.00000	10.00000	330.00000	4.40146	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,2,3,4-Tetrachlorobenzene (TIC)	330.00000	10.00000	330.00000	1.96000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,2,3-Trichlorobenzene	330.00000	10.00000	330.00000	3.10000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,2,4,5-Tetrachlorobenzene	330.00000	10.00000	330.00000	3.70277	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,2,4-Trichlorobenzene	330.00000	10.00000	1.31189	2.45343	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,2-Dichlorobenzene	330.00000	10.00000	2.28873	2.50026	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,2-Diphenylhydrazine	330.00000	10.00000	2.76270	2.67061	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,3-Dichlorobenzene	330.00000	10.00000	1.97223	2.43174	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,4-Dichlorobenzene	330.00000	10.00000	3.16940	2.45154	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,4-Dinitrobenzene	1300.00000	40.00000	330.00000	4.11482	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,4-Dioxane	330.00000	10.00000	330.00000	2.29722	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1,4-Naphthoquinone	330.00000	10.00000	330.00000	3.34447	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1-Methylphenanthrene	0.00000	0.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	1-Naphthylamine	330.00000	10.00000	330.00000	2.76584	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,2'-Oxybis(1-Chloropropane)	330.00000	10.00000	2.21267	1.77674	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,3,4,6-Tetrachlorophenol	330.00000	10.00000	330.00000	2.39905	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,3,5-Trimethylnaphthalene	0.00000	0.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,3,6-Trichlorotoluene (TIC)	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,3-Dichlorotoluene (TIC)	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4,5-Trichlorophenol	330.00000	10.00000	2.00869	3.21403	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4,5-Trichlorotoluene (TIC)	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4,6-Trichlorophenol	330.00000	10.00000	2.15798	1.91629	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4-Dichlorobenzotrifluoride (TIC)	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4-Dichlorophenol	330.00000	10.00000	1.87166	2.13095	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4-Dichlorotoluene (TIC)	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4-Dimethylphenol	330.00000	10.00000	2.58512	1.60073	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4-Dinitrophenol	800.00000	25.00000	4.75536	10.50799	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,4-Dinitrotoluene	330.00000	10.00000	1.87323	3.52456	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,5-Dichlorotoluene (TIC)	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,6-Dichlorophenol	330.00000	10.00000	330.00000	4.11482	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,6-Dichlorotoluene (TIC)	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,6-Dimethylnaphthalene	0.00000	0.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2,6-Dinitrotoluene	330.00000	10.00000	3.93535	2.66652	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Acetylaminofluorene	660.00000	20.00000	330.00000	5.39905	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Chloro-1,3-butadiene	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Chloronaphthalene	330.00000	10.00000	2.59392	1.93735	UG/KG	UG/L	CRQL	N

LAB: RECNY
METHOD: 8270
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEPT
ASP00	8270	MB	A	2-Chlorophenol	330.00000	10.00000	2.37391	1.00199	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Mercaptobenzothiazole	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Methyl-1,3-Dioxolane	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Methylnaphthalene	330.00000	10.00000	1.33326	2.19004	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Methylphenol	330.00000	10.00000	4.78459	2.07000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Naphthylamine	330.00000	10.00000	330.00000	3.57400	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Nitroaniline	800.00000	25.00000	2.31325	4.49732	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Nitrophenol	330.00000	10.00000	2.40660	1.99518	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	2-Nitropropane	0.00000	0.00000	330.00000	0.00000	UG/KG	UG/L	CRQL	Y
ASP00	8270	MB	A	2-Picoline	330.00000	10.00000	790.00000	2.67218	UG/KG	UG/L	CRQL	Y
ASP00	8270	MB	A	2-sec-Butyl-4,6-dinitrophenol	330.00000	10.00000	330.00000	2.54457	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3,3'-Dichlorobenzidine	330.00000	10.00000	1.86317	7.43225	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3,3'-Dimethylbenzidine	330.00000	10.00000	330.00000	2.30000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3,4-Dichlorobenzotrifluoride (TIC)	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3,4-Dichlorotoluene (TIC)	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3- & 4-Methylphenol	660.00000	20.00000	330.00000	4.50000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3-Methylcholanthrene	330.00000	10.00000	330.00000	2.03635	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3-Methylphenol	330.00000	10.00000	330.00000	3.40921	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	3-Nitroaniline	800.00000	25.00000	2.00146	3.50287	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4,4'-Methylenebis(2-chloroaniline)	3300.00000	100.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4,6-Dinitro-2-methylphenol	800.00000	25.00000	4.83833	7.62052	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Aminobiphenyl	330.00000	10.00000	330.00000	3.64300	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Bromophenyl phenyl ether	330.00000	10.00000	2.88967	2.50000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Chloro-3-methylphenol	330.00000	10.00000	2.40848	2.72844	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Chloroaniline	330.00000	10.00000	1.57496	1.05196	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Chlorophenyl phenyl ether	330.00000	10.00000	2.16396	2.41602	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Methylphenol	330.00000	10.00000	2.33053	1.09345	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Nitroaniline	800.00000	25.00000	2.18470	3.13703	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Nitrophenol	800.00000	25.00000	2.12027	15.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	4-Nitroquinoline-1-oxide	330.00000	10.00000	330.00000	1.89083	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	5-Nitro-o-toluidine	330.00000	10.00000	330.00000	2.11932	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	7,12-Dimethylbenz(a)anthracene	330.00000	10.00000	330.00000	3.41204	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	Acenaphthene	330.00000	10.00000	1.39486	1.61393	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	Acenaphthylene	330.00000	10.00000	2.58009	2.81267	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	Acetophenone	330.00000	10.00000	330.00000	4.15096	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Acrylamide	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N

LAB: RECNY
METHOD: 8270
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEPT
ASP00	8270	MB	A	Aniline	330.00000	10.00000	1.90874	0.81000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Anthracene	330.00000	10.00000	3.88098	3.29921	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Aramite	660.00000	20.00000	330.00000	5.60365	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Atrazine	330.00000	10.00000	330.00000	2.54000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzaldehyde	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzidine	330.00000	10.00000	6.95797	3.55128	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzo(a)anthracene	330.00000	10.00000	3.39884	3.14017	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzo(a)pyrene	330.00000	10.00000	1.64505	3.35170	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzo(b)fluoranthene	330.00000	10.00000	2.36039	3.22032	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzo(ghi)perylene	330.00000	10.00000	2.44840	1.73054	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzo(k)fluoranthene	330.00000	10.00000	2.80638	3.27123	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzoic acid	1700.00000	50.00000	6.00439	7.30842	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzothiazole (TIC)	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Benzyl alcohol	330.00000	10.00000	3.22503	1.79000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Biphenyl	330.00000	10.00000	0.75330	2.43500	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Bis(2-chloroethoxy) methane	330.00000	10.00000	1.64127	2.09858	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Bis(2-chloroethyl) ether	330.00000	10.00000	1.90874	2.43771	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Bis(2-ethylhexyl) phthalate	330.00000	10.00000	1.77014	7.17641	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Butyl benzyl phthalate	330.00000	10.00000	2.98962	7.47154	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Butyl carbitol acetate	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Butylated hydroxytoluene	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Caprolactam	330.00000	10.00000	1.30800	4.59000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Carbazole	330.00000	10.00000	2.28025	2.53074	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Chlorobenzilate	330.00000	10.00000	330.00000	3.42587	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Chrysene	330.00000	10.00000	2.79821	1.79120	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Di-n-butyl phthalate	330.00000	10.00000	3.13671	6.64053	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Di-n-octyl phthalate	330.00000	10.00000	1.46904	6.95326	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Diallate	330.00000	10.00000	330.00000	3.19203	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Dibenzo(a,e)pyrene	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Dibenzo(a,h)anthracene	330.00000	10.00000	1.64316	3.23195	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Dibenzofuran	330.00000	10.00000	1.92352	2.50969	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Diethyl phthalate	330.00000	10.00000	3.02042	2.98931	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Dimethoate	330.00000	10.00000	330.00000	4.73700	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Dimethoxy ethyl phthalate	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Dimethyl phthalate	330.00000	10.00000	1.99298	2.52540	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Dimethyl terephthalate	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N

LAB: RECNY
METHOD: 8270
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEP
ASP00	8270	MB	A	Dimethylnaphthalene	0.00000	0.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Diphenylamine	330.00000	10.00000	330.00000	2.89439	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Disulfoton	330.00000	10.00000	330.00000	3.31838	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Ethyl methane sulfonate	660.00000	20.00000	330.00000	5.14383	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Famphur	660.00000	20.00000	330.00000	14.60000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Fluoranthene	330.00000	10.00000	3.99350	2.20010	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Fluorene	330.00000	10.00000	2.18784	2.71524	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Hexachlorobenzene	330.00000	10.00000	2.86139	1.14311	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Hexachlorobutadiene	330.00000	10.00000	2.37925	3.49564	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Hexachlorocyclopentadiene	330.00000	10.00000	1.64630	23.66648	UG/KG	UG/L	CRQL	Y
ASP00	8270	MB	A	Hexachloroethane	330.00000	10.00000	3.66317	3.47270	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Hexachlorophene	1700.00000	50.00000	330.00000	183.48331	UG/KG	UG/L	CRQL	Y
ASP00	8270	MB	A	Hexachloropropene	330.00000	10.00000	330.00000	2.81581	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Indeno(1,2,3-cd)pyrene	330.00000	10.00000	2.17653	6.26180	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Isodrin	660.00000	20.00000	330.00000	2.89125	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Isophorone	330.00000	10.00000	2.68506	2.50874	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Isosafrole	330.00000	10.00000	330.00000	3.82315	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Kepone	660.00000	25.00000	330.00000	22.60000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Methapyrilene	3300.00000	100.00000	330.00000	5.88181	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Methyl methanesulfonate	330.00000	10.00000	330.00000	2.96919	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Methyl parathion	330.00000	10.00000	330.00000	4.01361	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Methylnaphthalene	0.00000	0.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N,N-Dimethyl formamide	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N-Nitroso-Di-n-propylamine	330.00000	10.00000	2.60052	1.65950	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N-Nitrosodi-n-butylamine	330.00000	10.00000	330.00000	4.08119	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N-Nitrosodiethylamine	660.00000	20.00000	330.00000	3.38061	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N-Nitrosodimethylamine	330.00000	10.00000	3.58239	2.13693	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N-Nitrosomethylethylamine	330.00000	10.00000	330.00000	3.38061	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N-Nitrosomorpholine	330.00000	10.00000	330.00000	3.63677	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	N-Nitrosopiperidine	660.00000	20.00000	330.00000	3.03174	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	N-Nitrosopyrrolidine	1300.00000	40.00000	330.00000	4.04284	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	N-nitrosodiphenylamine	330.00000	10.00000	2.62661	2.28842	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	Naphthalene	330.00000	10.00000	2.19916	2.09984	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	Nitrobenzene	330.00000	10.00000	2.88842	2.27459	UG/KG	UG/L	CRQL	
ASP00	8270	MB	A	Octachlorocyclopentene	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Parathion	330.00000	10.00000	330.00000	4.73933	UG/KG	UG/L	CRQL	N

LAB: RECNY
METHOD: 8270
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEP
ASP00	8270	MB	A	Pentachlorobenzene	330.00000	10.00000	330.00000	2.81299	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Pentachloronitrobenzene	660.00000	20.00000	330.00000	2.79664	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Pentachlorophenol	800.00000	25.00000	4.27322	9.53649	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Phenacetin	660.00000	20.00000	330.00000	2.57380	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Phenanthrene	330.00000	10.00000	2.68695	2.44997	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Phenol	330.00000	10.00000	2.35851	1.10000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Phenothiazine	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Phentermine	330.00000	10.00000	330.00000	7.46808	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Phorate	330.00000	10.00000	330.00000	2.47040	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Phthalic anhydride	330.00000	10.00000	330.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Pronamide	330.00000	10.00000	330.00000	3.53179	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Pyrene	330.00000	10.00000	2.08601	1.14185	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Pyridine	3300.00000	100.00000	453.00000	2.24756	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Safrole	330.00000	10.00000	330.00000	4.25656	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Sulfotepp	330.00000	10.00000	330.00000	2.98051	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Thionazin	660.00000	20.00000	330.00000	3.10434	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Total C2-Naphthalenes	0.00000	0.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Total C3-Naphthalenes	0.00000	0.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Tricresylphosphate	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	Triphenylphosphate	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	a,a-Dichlorotoluene (TIC)	330.00000	10.00000	330.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	alpha-BHC	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	beta-BHC	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	delta-BHC	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	gamma-BHC (Lindane)	330.00000	10.00000	0.00000	0.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	m-Dinitrobenzene	330.00000	10.00000	330.00000	2.14541	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	o-Toluidine	330.00000	10.00000	330.00000	3.97495	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	p-Cymene	330.00000	10.00000	330.00000	10.00000	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	p-Dimethylaminoazobenzene	330.00000	10.00000	330.00000	3.65374	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	p-Phenylenediamine	330.00000	10.00000	330.00000	2.27490	UG/KG	UG/L	CRQL	N
ASP00	8270	MB	A	sym-Trinitrobenzene	330.00000	10.00000	330.00000	2.44840	UG/KG	UG/L	CRQL	N

SAMPLE DATA

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

278/401

Client No.

A-26S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063401

ample wt/vol: 1035.0 (g/mL) ML Lab File ID: Z59875.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

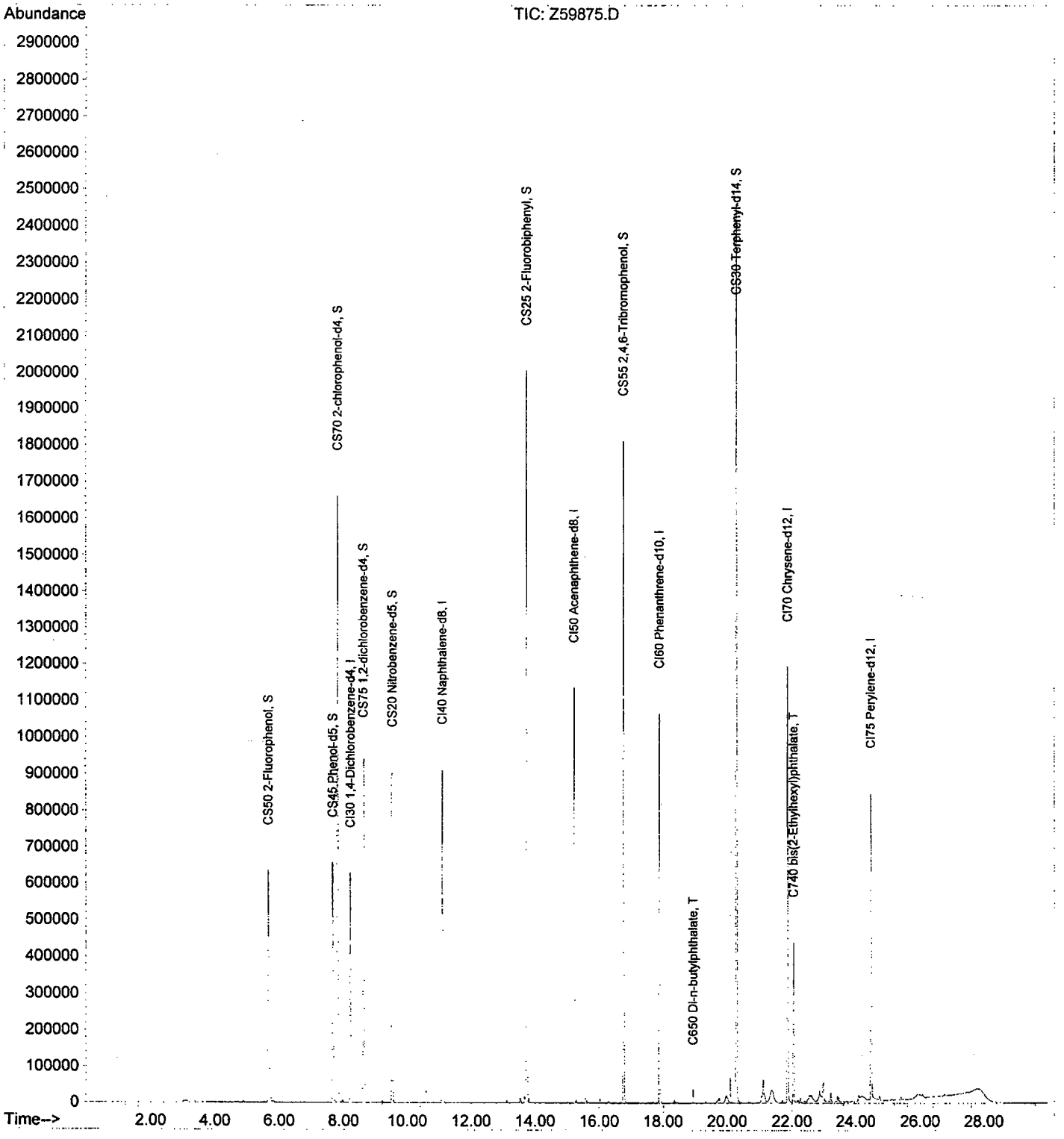
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59875.D Vial: 4
Acq On : 2 Feb 2004 12:52 Operator: PM
Sample : A4063401 AW40007178 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59875.D Vial: 4
Acq On : 2 Feb 2004 12:52 Operator: PM
Sample : A4063401 AW40007178 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	208903	40.00	ng	0.02 / 79.72%
22) CI40 Naphthalene-d8	11.10	136	785785	40.00	ng	0.02 / 80.63%
38) CI50 Acenaphthene-d8	15.22	164	424136	40.00	ng	0.02 / 77.92%
60) CI60 Phenanthrene-d10	17.88	188	747218	40.00	ng	0.02 / 78.50%
73) CI70 Chrysene-d12	21.87	240	782377	40.00	ng	0.00 / 81.87%
82) CI75 Perylene-d12	24.47	264	738600	40.00	ng	0.00 / 83.19%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	455705	71.97	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 47.98%			
6) CS45 Phenol-d5	7.67	99	397614	49.63	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 33.09%			
7) CS70 2-chlorophenol-d4	7.82	132	829653	122.15	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 81.43%			
13) CS75 1,2-dichlorobenzene-d	8.62	152	329808	77.95	ng	0.02
Spiked Amount 100.000	Range 16 - 110		Recovery = 77.95%			
23) CS20 Nitrobenzene-d5	9.53	82	674219	90.59	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 90.59%			
42) CS25 2-Fluorobiphenyl	13.73	172	1112376	92.07	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 92.07%			
63) CS55 2,4,6-Tribromophenol	16.77	330	345094	143.77	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 95.85%			
76) CS30 Terphenyl-d14	20.28	244	1386733	100.50	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 100.50%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.	
4) E600 Benzaldehyde	0.00	77	N.D.	
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.	
8) C315 Phenol	0.00	94	N.D.	
9) C330 2-Chlorophenol	0.00	128	N.D.	
10) C320 aniline	0.00	93	N.D.	

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59875.D Vial: 4
Acq On : 2 Feb 2004 12:52 Operator: PM
Sample : A4063401 AW40007178 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

282/401

Client No.

A-27S

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A4063402

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59876.RR

Level: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

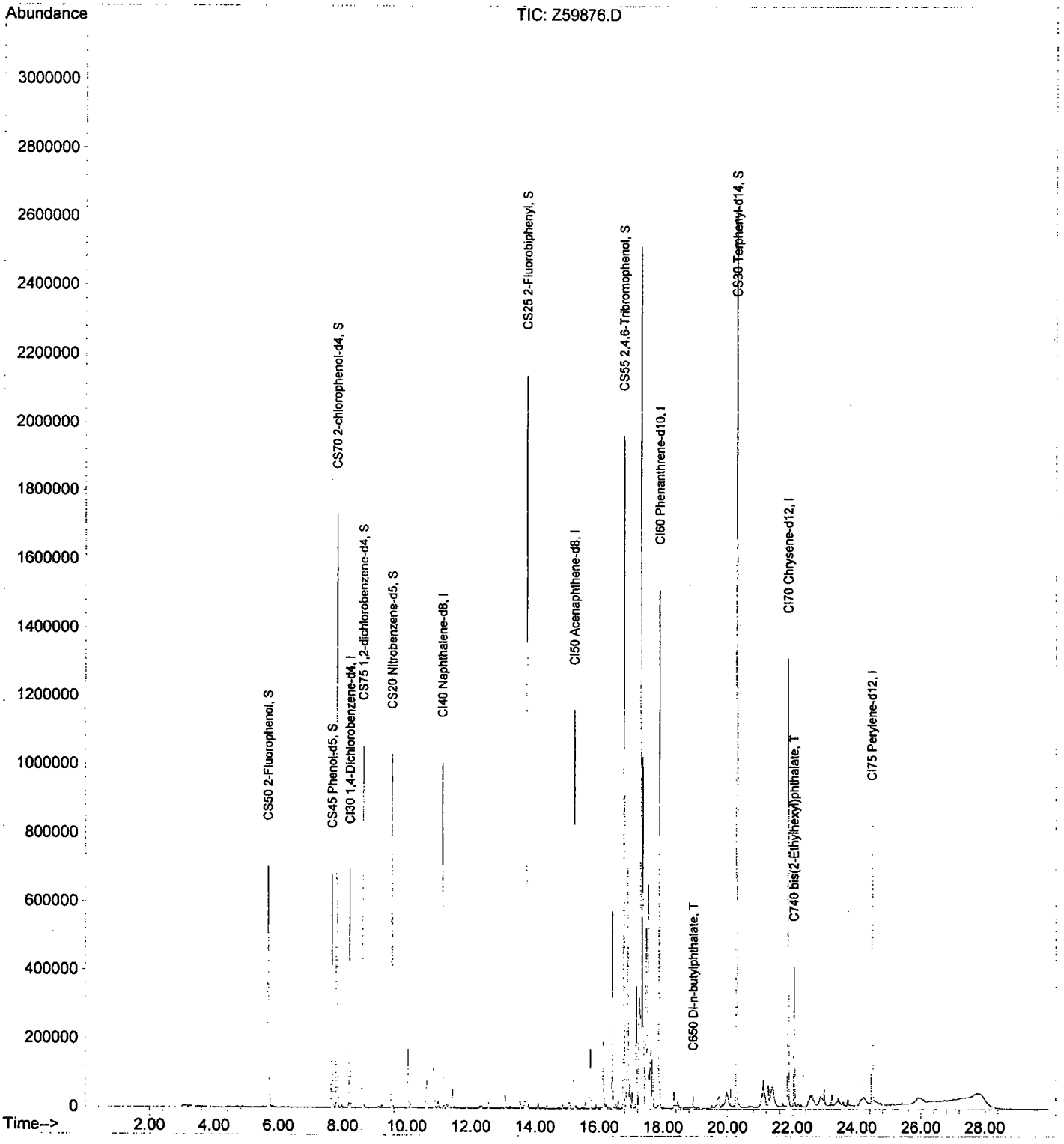
GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59876.D Vial: 5
Acq On : 2 Feb 2004 13:27 Operator: PM
Sample : A4063402 AW40007179 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59876.D Vial: 5
Acq On : 2 Feb 2004 13:27 Operator: PM
Sample : A4063402 AW40007179 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	214401	40.00	ng	0.02 81.82%
22) CI40 Naphthalene-d8	11.10	136	811588	40.00	ng	0.02 83.28%
38) CI50 Acenaphthene-d8	15.22	164	457313	40.00	ng	0.02 84.02%
60) CI60 Phenanthrene-d10	17.88	188	873707	40.00	ng	0.02 91.79%
73) CI70 Chrysene-d12	21.87	240	863545	40.00	ng	0.00 90.36%
82) CI75 Perylene-d12	24.47	264	796940	40.00	ng	0.00 89.76%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	478602	73.65	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 49.10%			
6) CS45 Phenol-d5	7.67	99	410285	49.90	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 33.27%			
7) CS70 2-chlorophenol-d4	7.82	132	842008	120.79	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 80.53%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	333093	76.71	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 76.71%			
23) CS20 Nitrobenzene-d5	9.53	82	686849	89.36	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 89.36%			
42) CS25 2-Fluorobiphenyl	13.73	172	1191563	91.47	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 91.47%			
63) CS55 2,4,6-Tribromophenol	16.77	330	393292	140.13	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 93.42%			
76) CS30 Terphenyl-d14	20.28	244	1382485	90.78	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 90.78%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59876.D Vial: 5
Acq On : 2 Feb 2004 13:27 Operator: PM
Sample : A4063402 AW40007179 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

286/401

Client No.

A-42S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063403

ample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z59877.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

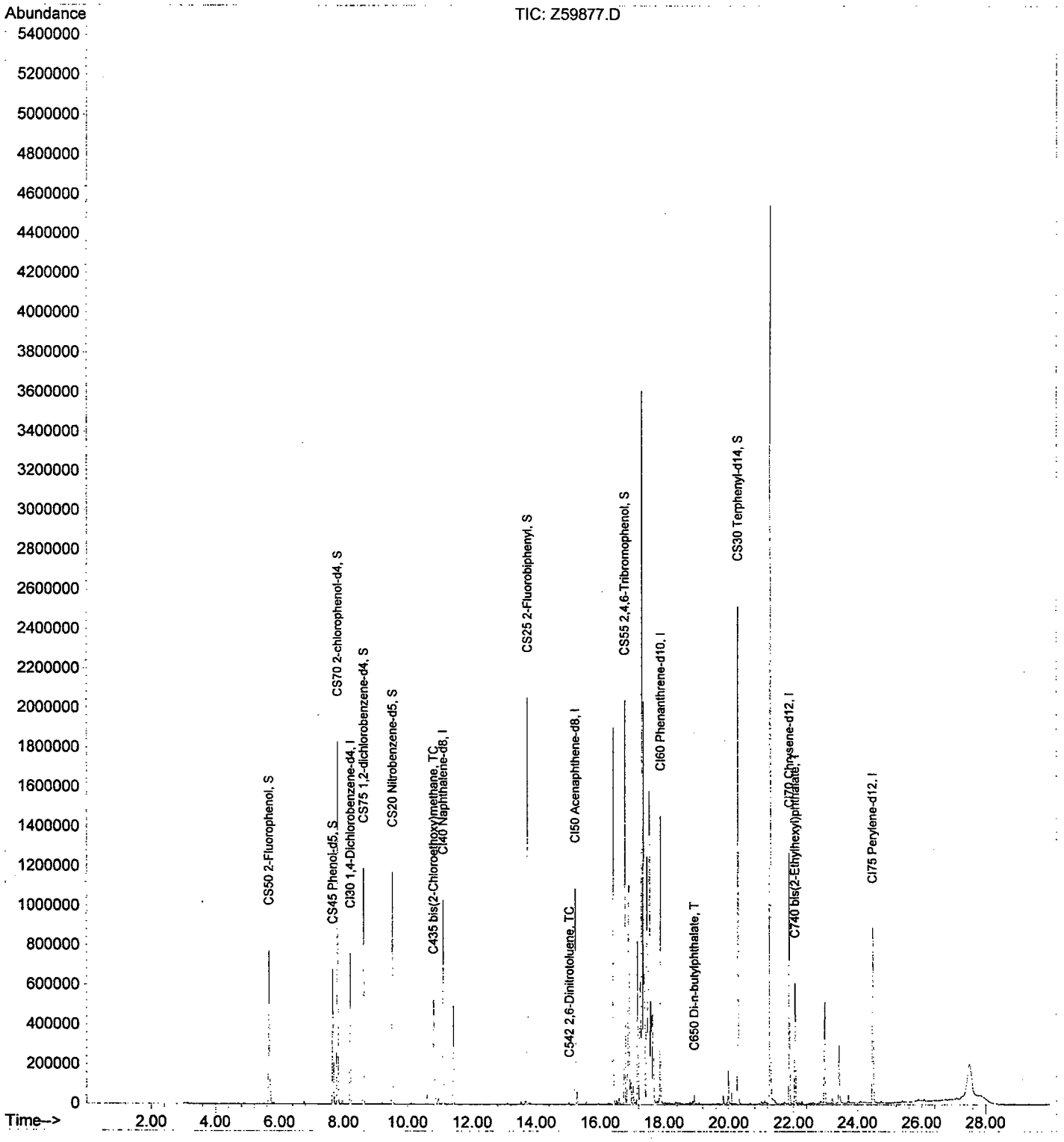
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59877.D Vial: 6
Acq On : 2 Feb 2004 14:01 Operator: PM
Sample : A4063403 AW40007180 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59877.D Vial: 6
Acq On : 2 Feb 2004 14:01 Operator: PM
Sample : A4063403 AW40007180 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	223804	40.00	ng	0.02 / 85.41%
22) CI40 Naphthalene-d8	11.10	136	818861	40.00	ng	0.02 / 84.03%
38) CI50 Acenaphthene-d8	15.22	164	430276	40.00	ng	0.02 / 79.05%
60) CI60 Phenanthrene-d10	17.88	188	842668	40.00	ng	0.02 / 88.52%
73) CI70 Chrysene-d12	21.87	240	819060	40.00	ng	0.00 / 85.71%
82) CI75 Perylene-d12	24.47	264	837969	40.00	ng	0.00 / 94.38%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	505321	74.49	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 49.66%			
6) CS45 Phenol-d5	7.67	99	433751	50.54	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 33.69%			
7) CS70 2-chlorophenol-d4	7.82	132	879590	120.88	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 80.59%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	357463	78.86	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 78.86%			
23) CS20 Nitrobenzene-d5	9.53	82	734551	94.71	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 94.71%			
42) CS25 2-Fluorobiphenyl	13.73	172	1177362	96.06	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 96.06%			
63) CS55 2,4,6-Tribromophenol	16.77	330	373338	137.92	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 91.95%			
76) CS30 Terphenyl-d14	20.28	244	1214072	84.05	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 84.05%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59877.D Vial: 6
Acq On : 2 Feb 2004 14:01 Operator: PM
Sample : A4063403 AW40007180 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:06 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	10.80	93	6361	0.67 ng	# 50
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	15.03	165	2130	0.70 ng	# 28
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

2 [illegible]/04

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

290/401

Client No.

A-43S

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063404

ample wt/vol: 1030.0 (g/mL) ML Lab File ID: Z59878.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

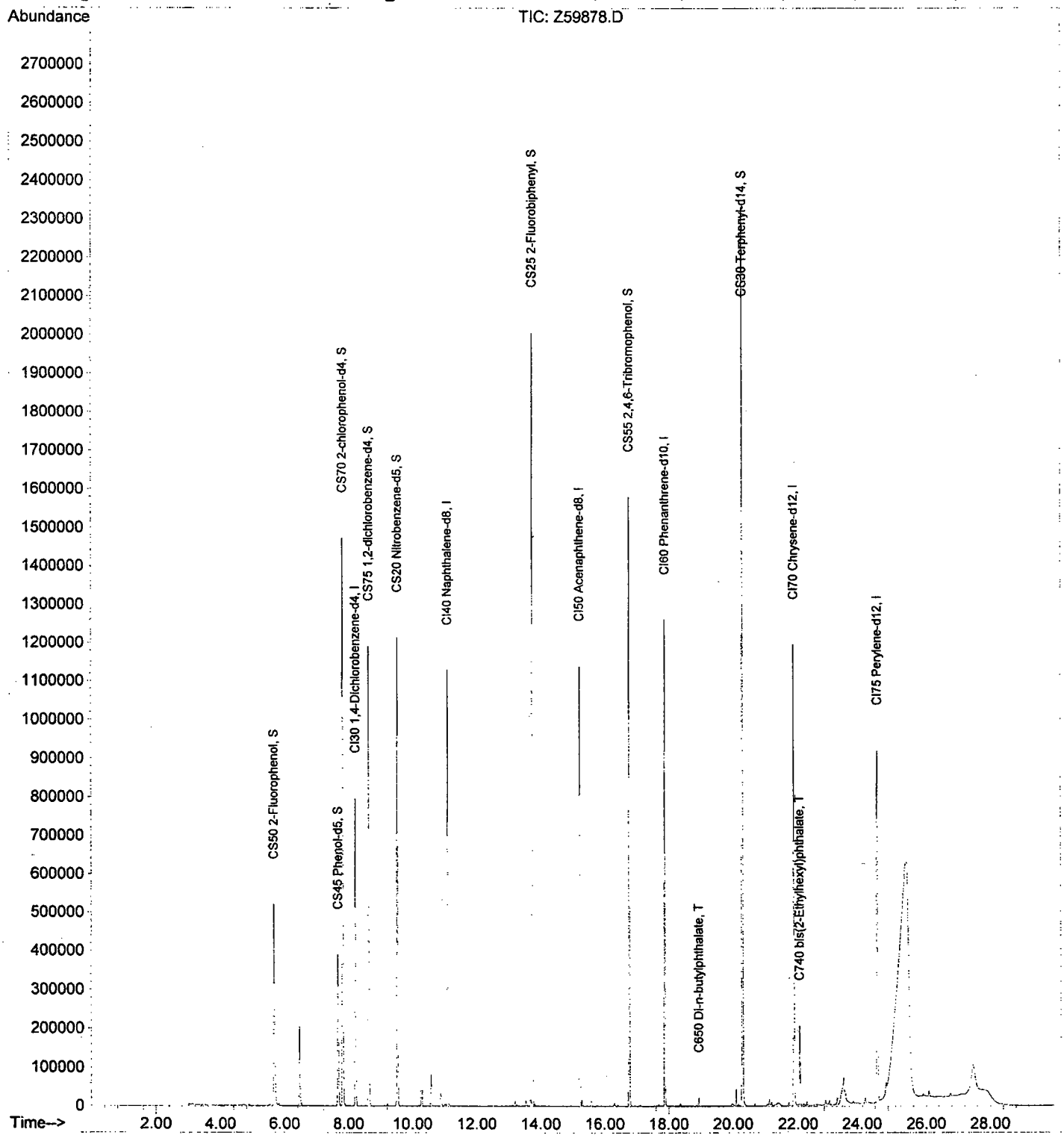
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59878.D Vial: 7
Acq On : 2 Feb 2004 14:36 Operator: PM
Sample : A4063404 AW40007181 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:07 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59878.D Vial: 7
Acq On : 2 Feb 2004 14:36 Operator: PM
Sample : A4063404 AW40007181 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:07 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	234189	40.00	ng	0.02 89.37%
22) CI40 Naphthalene-d8	11.10	136	878410	40.00	ng	0.02 90.14%
38) CI50 Acenaphthene-d8	15.22	164	447441	40.00	ng	0.02 82.20%
60) CI60 Phenanthrene-d10	17.88	188	810490	40.00	ng	0.02 85.14%
73) CI70 Chrysene-d12	21.87	240	810853	40.00	ng	0.00 84.85%
82) CI75 Perylene-d12	24.48	264	807899	40.00	ng	0.02 90.99%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	355249	50.05	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 33.37%			
6) CS45 Phenol-d5	7.67	99	281818	31.38	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 20.92%			
7) CS70 2-chlorophenol-d4	7.82	132	736134	96.68	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 64.45%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	345360	72.82	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 72.82%			
23) CS20 Nitrobenzene-d5	9.53	82	728045	87.51	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 87.51%			
42) CS25 2-Fluorobiphenyl	13.73	172	1162988	91.24	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 91.24%			
63) CS55 2,4,6-Tribromophenol	16.77	330	307422	118.07	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 78.71%			
76) CS30 Terphenyl-d14	20.28	244	1293977	90.49	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 90.49%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.	
4) E600 Benzaldehyde	0.00	77	N.D.	
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.	
8) C315 Phenol	0.00	94	N.D.	
9) C330 2-Chlorophenol	0.00	128	N.D.	
10) C320 aniline	0.00	93	N.D.	

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59878.D Vial: 7
Acq On : 2 Feb 2004 14:36 Operator: PM
Sample : A4063404 AW40007181 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:07 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

294/401

Client No.

DG-1

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

latrix: (soil/water) WATER Lab Sample ID: A4063405

ample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59879.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

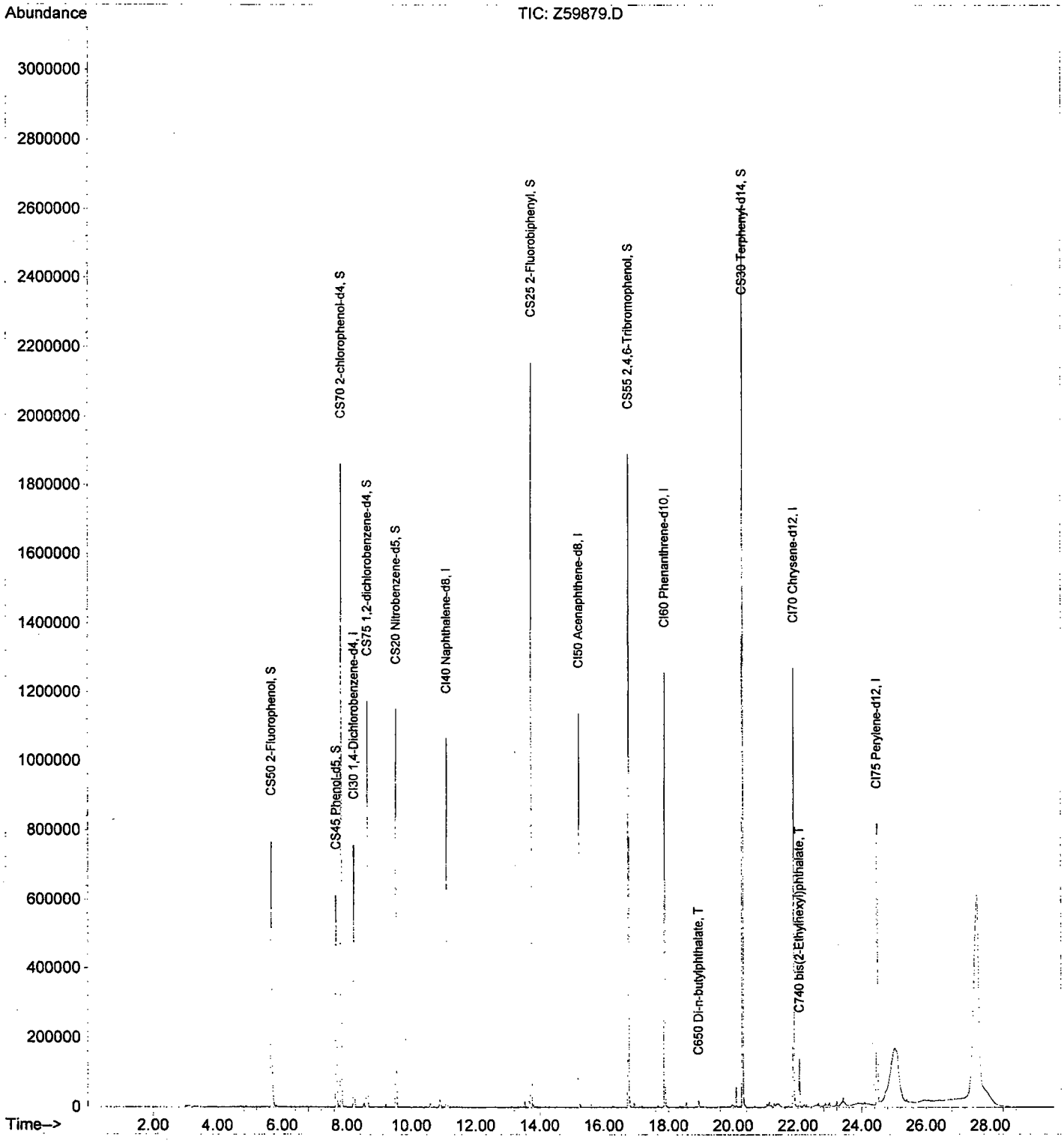
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59879.D Vial: 8
Acq On : 2 Feb 2004 15:10 Operator: PM
Sample : A4063405 AW40007182 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:07 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59879.D Vial: 8
Acq On : 2 Feb 2004 15:10 Operator: PM
Sample : A4063405 AW40007182 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:07 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	230174	40.00	ng	0.02 / 87.84%
22) CI40 Naphthalene-d8	11.10	136	867910	40.00	ng	0.02 / 89.06%
38) CI50 Acenaphthene-d8	15.22	164	443831	40.00	ng	0.02 / 81.54%
60) CI60 Phenanthrene-d10	17.88	188	824646	40.00	ng	0.02 / 86.63%
73) CI70 Chrysene-d12	21.87	240	814703	40.00	ng	0.00 / 85.25%
82) CI75 Perylene-d12	24.47	264	795570	40.00	ng	0.00 / 89.60%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	503962	72.24	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 48.16%			
6) CS45 Phenol-d5	7.67	99	427534	48.43	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 32.29%			
7) CS70 2-chlorophenol-d4	7.82	132	912791	121.97	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 81.31%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	369130	79.18	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 79.18%			
23) CS20 Nitrobenzene-d5	9.53	82	757266	92.12	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 92.12%			
42) CS25 2-Fluorobiphenyl	13.73	172	1247576	98.68	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 98.68%			
63) CS55 2,4,6-Tribromophenol	16.77	330	381041	143.84	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 95.89%			
76) CS30 Terphenyl-d14	20.28	244	1420935	98.90	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 98.90%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.	
4) E600 Benzaldehyde	0.00	77	N.D.	
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.	
8) C315 Phenol	0.00	94	N.D.	
9) C330 2-Chlorophenol	0.00	128	N.D.	
10) C320 aniline	0.00	93	N.D.	

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59879.D Vial: 8
Acq On : 2 Feb 2004 15:10 Operator: PM
Sample : A4063405 AW40007182 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:07 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

298/401

Client No.

DUP-1

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063406

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59880.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

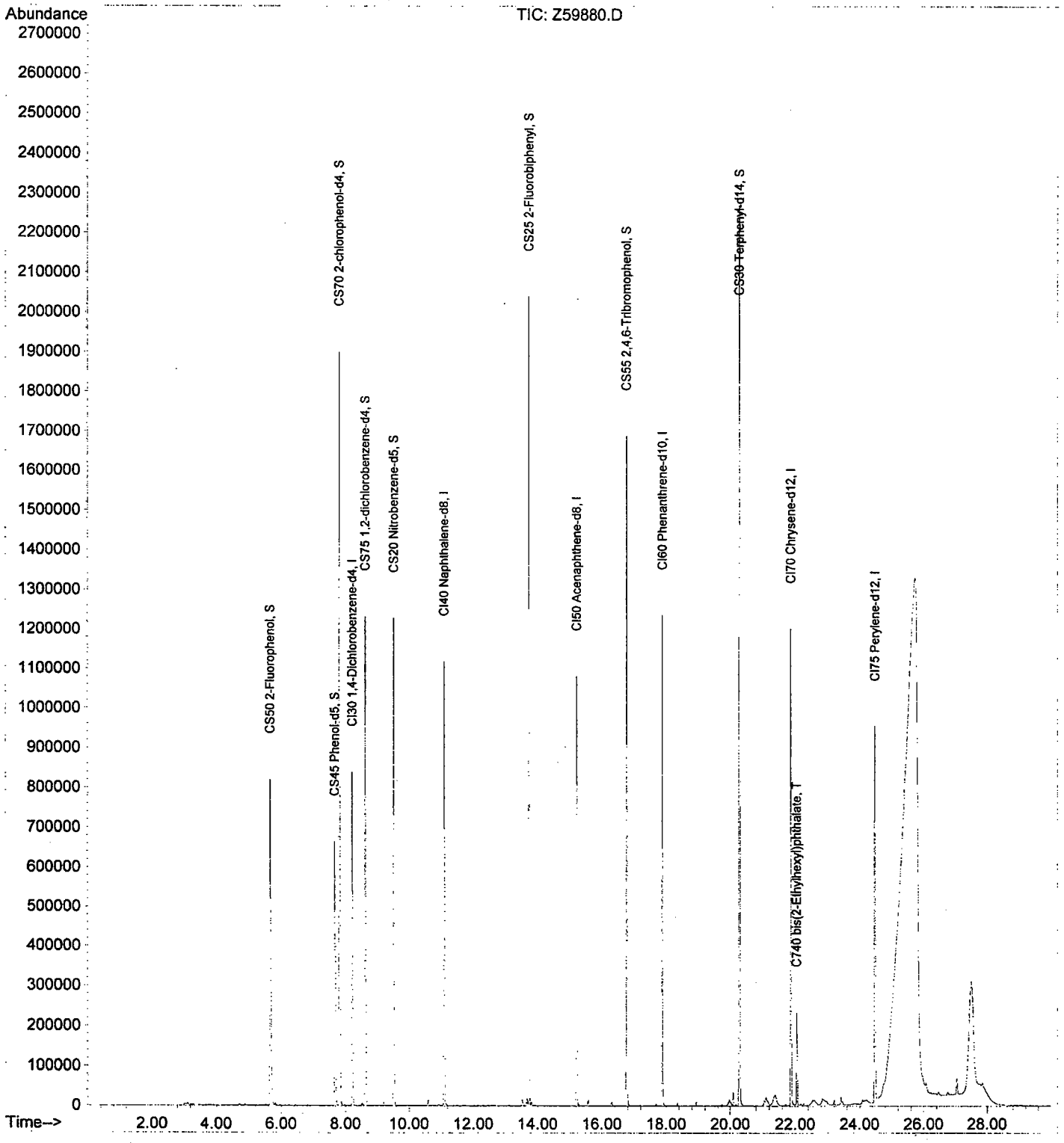
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59880.D Vial: 9
Acq On : 2 Feb 2004 15:45 Operator: PM
Sample : A4063406 AW40007183 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59880.D
Acq On : 2 Feb 2004 15:45
Sample : A4063406 AW40007183
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004

Vial: 9
Operator: PM
Inst : I50Z-A
Multiplr: 1.00

Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	241857	40.00	ng	0.02 92.30%
22) CI40 Naphthalene-d8	11.10	136	890292	40.00	ng	0.02 91.36%
38) CI50 Acenaphthene-d8	15.22	164	449291	40.00	ng	0.02 82.54%
60) CI60 Phenanthrene-d10	17.88	188	800640	40.00	ng	0.02 84.11%
73) CI70 Chrysene-d12	21.87	240	799481	40.00	ng	0.00 83.66%
82) CI75 Perylene-d12	24.48	264	805573	40.00	ng	0.02 90.73%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	529741	72.26	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 48.17%			
6) CS45 Phenol-d5	7.67	99	440856	47.53	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 31.69%			
7) CS70 2-chlorophenol-d4	7.82	132	926397	117.81	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 78.54%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	364309	74.37	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 74.37%			
23) CS20 Nitrobenzene-d5	9.53	82	762005	90.37	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 90.37%			
42) CS25 2-Fluorobiphenyl	13.73	172	1195178	93.38	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 93.38%			
63) CS55 2,4,6-Tribromophenol	16.77	330	353886	137.59	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 91.73%			
76) CS30 Terphenyl-d14	20.28	244	1343387	95.28	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 95.28%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.	
4) E600 Benzaldehyde	0.00	77	N.D.	
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.	
8) C315 Phenol	0.00	94	N.D.	
9) C330 2-Chlorophenol	0.00	128	N.D.	
10) C320 aniline	0.00	93	N.D.	

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59880.D Vial: 9
Acq On : 2 Feb 2004 15:45 Operator: PM
Sample : A4063406 AW40007183 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

302/401

Client No.

Field Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063407

ample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z59881.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

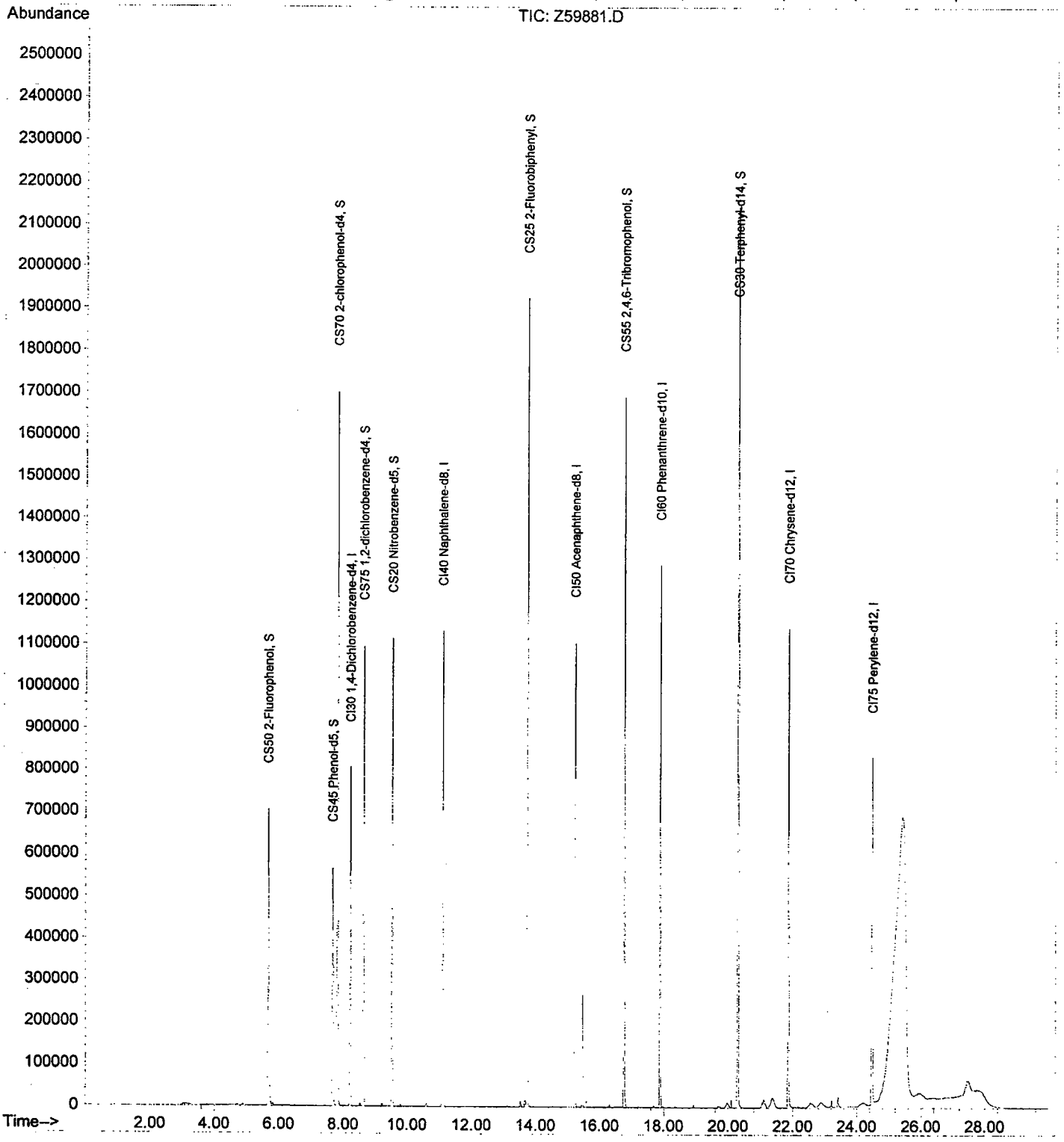
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59881.D Vial: 10
Acq On : 2 Feb 2004 16:20 Operator: PM
Sample : A4063407 AW40007184 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59881.D Vial: 10
Acq On : 2 Feb 2004 16:20 Operator: PM
Sample : A4063407 AW40007184 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	241229	40.00	ng	0.02 92.06%
22) CI40 Naphthalene-d8	11.10	136	886513	40.00	ng	0.02 90.97%
38) CI50 Acenaphthene-d8	15.22	164	452219	40.00	ng	0.02 83.08%
60) CI60 Phenanthrene-d10	17.88	188	807258	40.00	ng	0.02 84.80%
73) CI70 Chrysene-d12	21.87	240	782234	40.00	ng	0.00 81.85%
82) CI75 Perylene-d12	24.48	264	783941	40.00	ng	0.02 88.29%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	475395	65.02	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 43.35%			
6) CS45 Phenol-d5	7.67	99	386804	41.81	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 27.87%			
7) CS70 2-chlorophenol-d4	7.82	132	843698	107.57	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 71.71%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	326599	66.85	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 66.85%			
23) CS20 Nitrobenzene-d5	9.53	82	687615	81.90	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 81.90%			
42) CS25 2-Fluorobiphenyl	13.73	172	1100168	85.40	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 85.40%			
63) CS55 2,4,6-Tribromophenol	16.77	330	344506	132.85	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 88.57%			
76) CS30 Terphenyl-d14	20.28	244	1255503	91.01	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 91.01%			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.			
4) E600 Benzaldehyde	0.00	77	N.D.			
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.			
8) C315 Phenol	0.00	94	N.D.			
9) C330 2-Chlorophenol	0.00	128	N.D.			
10) C320 aniline	0.00	93	N.D.			

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59881.D Vial: 10
Acq On : 2 Feb 2004 16:20 Operator: PM
Sample : A4063407 AW40007184 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

306/401

Client No.

ME-14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A4063408

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59882.RR

Level: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

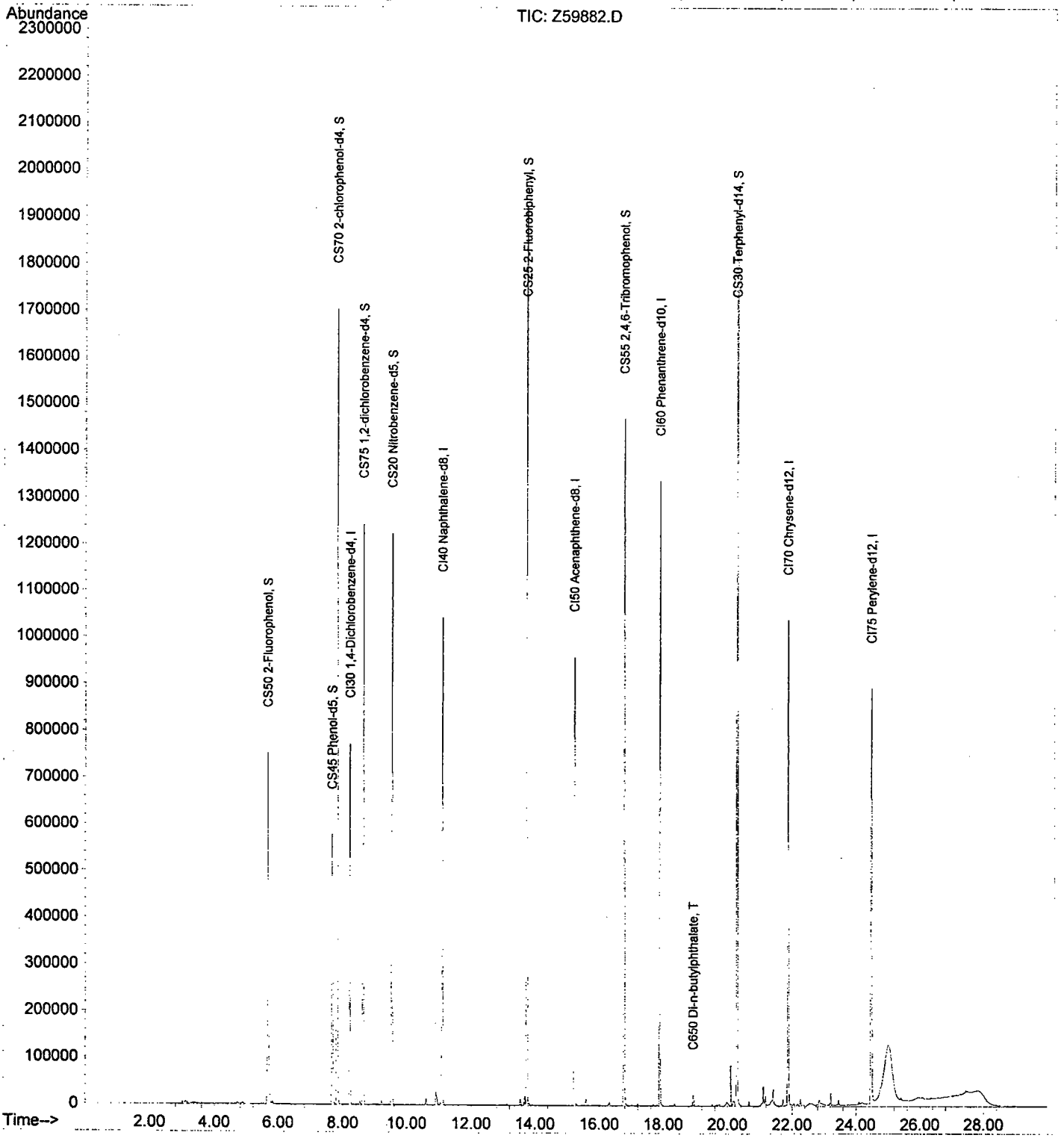
Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59882.D Vial: 11
Acq On : 2 Feb 2004 16:54 Operator: PM
Sample : A4063408 AW40007185 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59882.D Vial: 11
Acq On : 2 Feb 2004 16:54 Operator: PM
Sample : A4063408 AW40007185 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	223182	40.00	ng	0.02 85.17%
22) CI40 Naphthalene-d8	11.10	136	827317	40.00	ng	0.02 84.89%
38) CI50 Acenaphthene-d8	15.22	164	427393	40.00	ng	0.02 78.52%
60) CI60 Phenanthrene-d10	17.88	188	770849	40.00	ng	0.02 80.98%
73) CI70 Chrysene-d12	21.87	240	757827	40.00	ng	0.00 79.30%
82) CI75 Perylene-d12	24.48	264	750534	40.00	ng	0.02 84.53%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	502082	74.22	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 49.48%			
6) CS45 Phenol-d5	7.67	99	419836	49.05	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 32.70%			
7) CS70 2-chlorophenol-d4	7.82	132	854405	117.74	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 78.49%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	343388	75.97	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 75.97%			
23) CS20 Nitrobenzene-d5	9.53	82	709055	90.49	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 90.49%			
42) CS25 2-Fluorobiphenyl	13.73	172	1150185	94.47	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 94.47%			
63) CS55 2,4,6-Tribromophenol	16.77	330	352451	142.33	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 94.89%			
76) CS30 Terphenyl-d14	20.28	244	1324161	99.08	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 99.08%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59882.D Vial: 11
Acq On : 2 Feb 2004 16:54 Operator: PM
Sample : A4063408 AW40007185 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:08 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

310/401

Client No.

ME-18

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063409

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59883.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

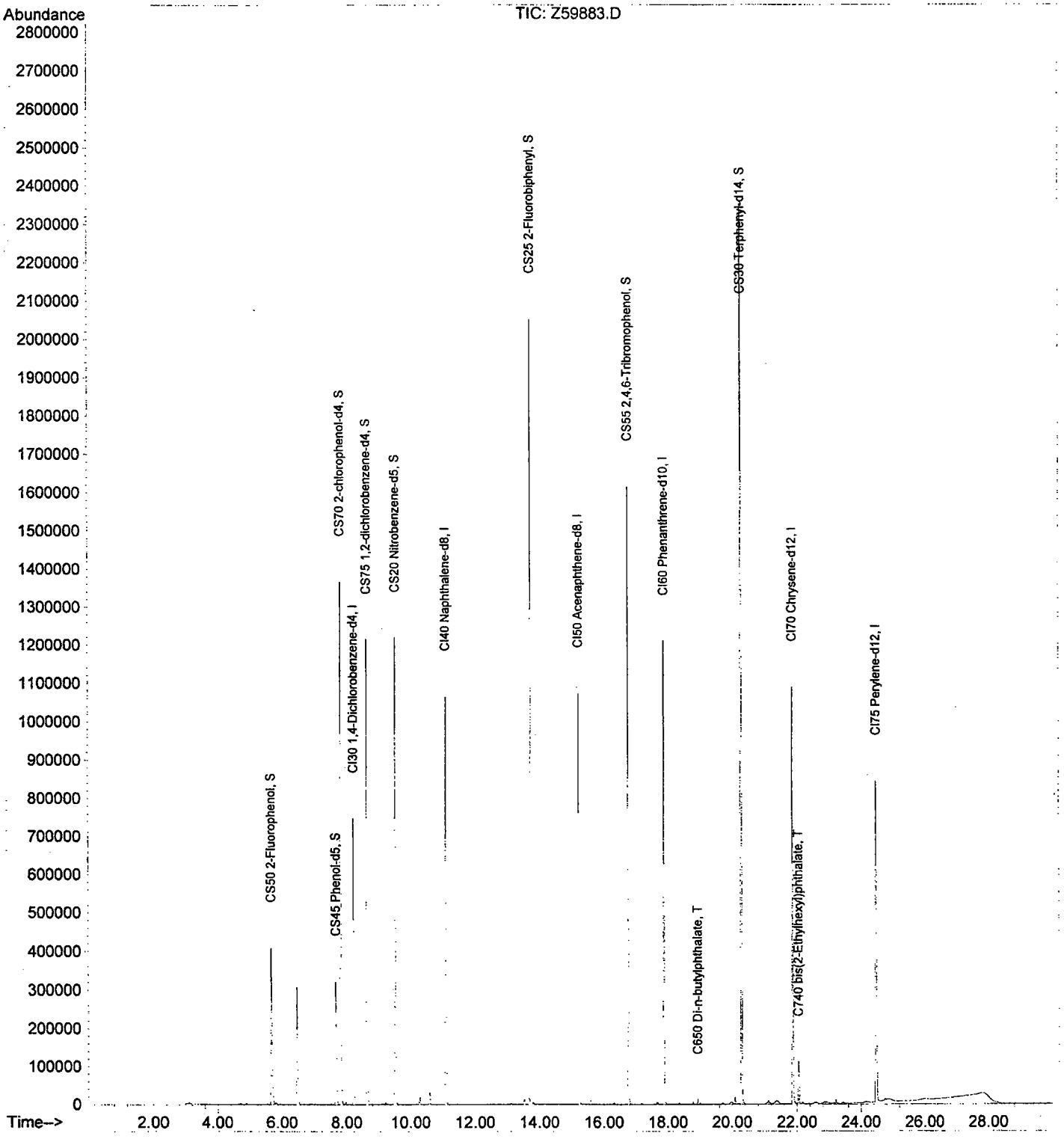
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59883.D Vial: 12
Acq On : 2 Feb 2004 17:29 Operator: PM
Sample : A4063409 AW40007186 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:09 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59883.D Vial: 12
Acq On : 2 Feb 2004 17:29 Operator: PM
Sample : A4063409 AW40007186 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:09 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	219711	40.00	ng	0.02 / 83.84%
22) CI40 Naphthalene-d8	11.10	136	827942	40.00	ng	0.02 / 84.96%
38) CI50 Acenaphthene-d8	15.22	164	424330	40.00	ng	0.02 / 77.96%
60) CI60 Phenanthrene-d10	17.88	188	768690	40.00	ng	0.02 / 80.75%
73) CI70 Chrysene-d12	21.87	240	749135	40.00	ng	0.00 / 78.39%
82) CI75 Perylene-d12	24.48	264	731270	40.00	ng	0.02 / 82.36%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	279362	41.95	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 27.97%			
6) CS45 Phenol-d5	7.67	99	227062	26.95	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 17.97%			
7) CS70 2-chlorophenol-d4	7.82	132	670639	93.88	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 62.59%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	354354	79.63	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 79.63%			
23) CS20 Nitrobenzene-d5	9.53	82	748806	95.49	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 95.49%			
42) CS25 2-Fluorobiphenyl	13.73	172	1192154	98.63	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 98.63%			
63) CS55 2,4,6-Tribromophenol	16.77	330	316839	128.31	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 85.54%			
76) CS30 Terphenyl-d14	20.28	244	1344956	101.80	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 101.80%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.	
4) E600 Benzaldehyde	0.00	77	N.D.	
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.	
8) C315 Phenol	0.00	94	N.D.	
9) C330 2-Chlorophenol	0.00	128	N.D.	
10) C320 aniline	0.00	93	N.D.	

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59883.D Vial: 12
Acq On : 2 Feb 2004 17:29 Operator: PM
Sample : A4063409 AW40007186 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:09 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

314/401

Client No.

ME-19

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063410

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59884.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

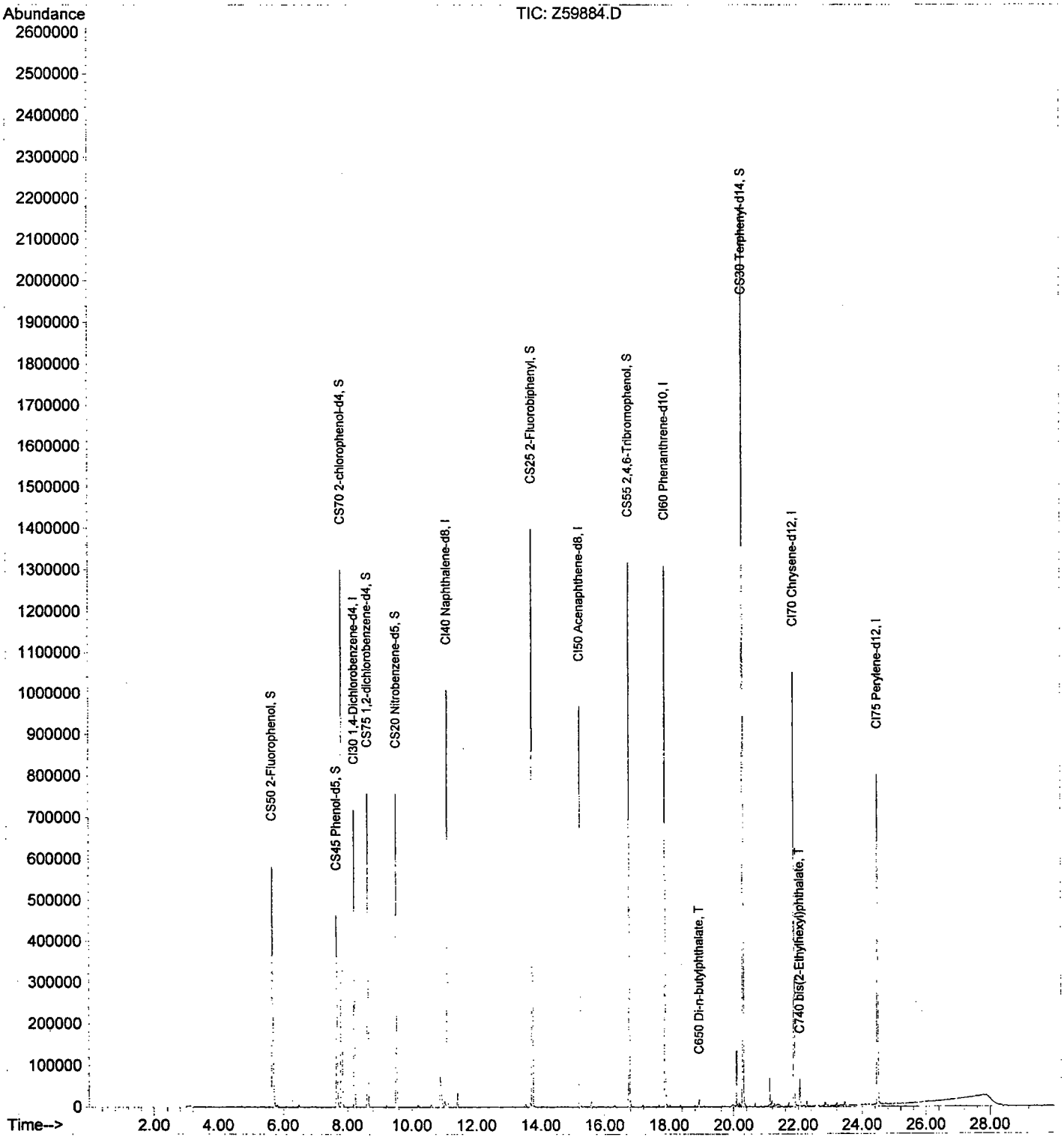
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59884.D Vial: 13
Acq On : 2 Feb 2004 18:03 Operator: PM
Sample : A4063410 AW40007187 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:09 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59884.D Vial: 13
Acq On : 2 Feb 2004 18:03 Operator: PM
Sample : A4063410 AW40007187 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:09 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	210566	40.00	ng	0.02 80.35%
22) CI40 Naphthalene-d8	11.10	136	788513	40.00	ng	0.02 80.91%
38) CI50 Acenaphthene-d8	15.22	164	412806	40.00	ng	0.02 75.84%
60) CI60 Phenanthrene-d10	17.88	188	759033	40.00	ng	0.02 79.74%
73) CI70 Chrysene-d12	21.87	240	739294	40.00	ng	0.00 77.36%
82) CI75 Perylene-d12	24.48	264	715623	40.00	ng	0.02 80.60%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	389048	60.96	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 40.64%			
6) CS45 Phenol-d5	7.67	99	323569	40.07	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 26.71%			
7) CS70 2-chlorophenol-d4	7.82	132	639910	93.47	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 62.31%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	226549	53.12	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 53.12%			
23) CS20 Nitrobenzene-d5	9.53	82	472273	63.24	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 63.24%			
42) CS25 2-Fluorobiphenyl	13.73	172	811145	68.98	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 68.98%			
63) CS55 2,4,6-Tribromophenol	16.77	330	265629	108.94	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 72.63%			
76) CS30 Terphenyl-d14	20.28	244	1151279	88.30	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 88.30%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59884.D Vial: 13
Acq On : 2 Feb 2004 18:03 Operator: PM
Sample : A4063410 AW40007187 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:09 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.		
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.		
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.		
15)	C345 Benzyl alcohol	0.00	108		N.D.		
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.		
17)	C355 2-Methylphenol	0.00	108		N.D.		
18)	E145 Acetophenone	0.00	105		N.D.		
19)	C375 Hexachloroethane	0.00	117		N.D.		
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.		
21)	C365 4-Methylphenol	0.00	108		N.D.		
24)	C410 Nitrobenzene	0.00	77		N.D.		
25)	C415 Isophorone	0.00	82		N.D.		
26)	C430 benzoic acid	0.00	122		N.D.		
27)	C420 2-Nitrophenol	0.00	139		N.D.		
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.		
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.		
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.		
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.		
32)	C450 Naphthalene	0.00	128		N.D.		
33)	C455 4-Chloroaniline	0.00	127		N.D.		
34)	C460 Hexachlorobutadiene	0.00	225		N.D.		
35)	E655 Caprolactam	0.00	113		N.D.		
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.		
37)	C470 2-Methylnaphthalene	0.00	142		N.D.		
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.		
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.		
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.		
43)	C525 2-Chloronaphthalene	0.00	162		N.D.		
44)	C811 1,1'-Biphenyl	0.00	154		N.D.		
45)	C530 2-Nitroaniline	0.00	65		N.D.		
46)	C540 Acenaphthylene	0.00	152		N.D.		
47)	C535 Dimethylphthalate	0.00	163		N.D.		
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.		
49)	C550 Acenaphthene	0.00	153		N.D.		
50)	C545 3-Nitroaniline	0.00	138		N.D.		
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.		
52)	C565 Dibenzofuran	0.00	168		N.D.		
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.		
54)	C560 4-Nitrophenol	0.00	109		N.D.		
55)	C590 Fluorene	0.00	166		N.D.		

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

318/401

Client No.

MW-10

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063415

ample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z59891.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

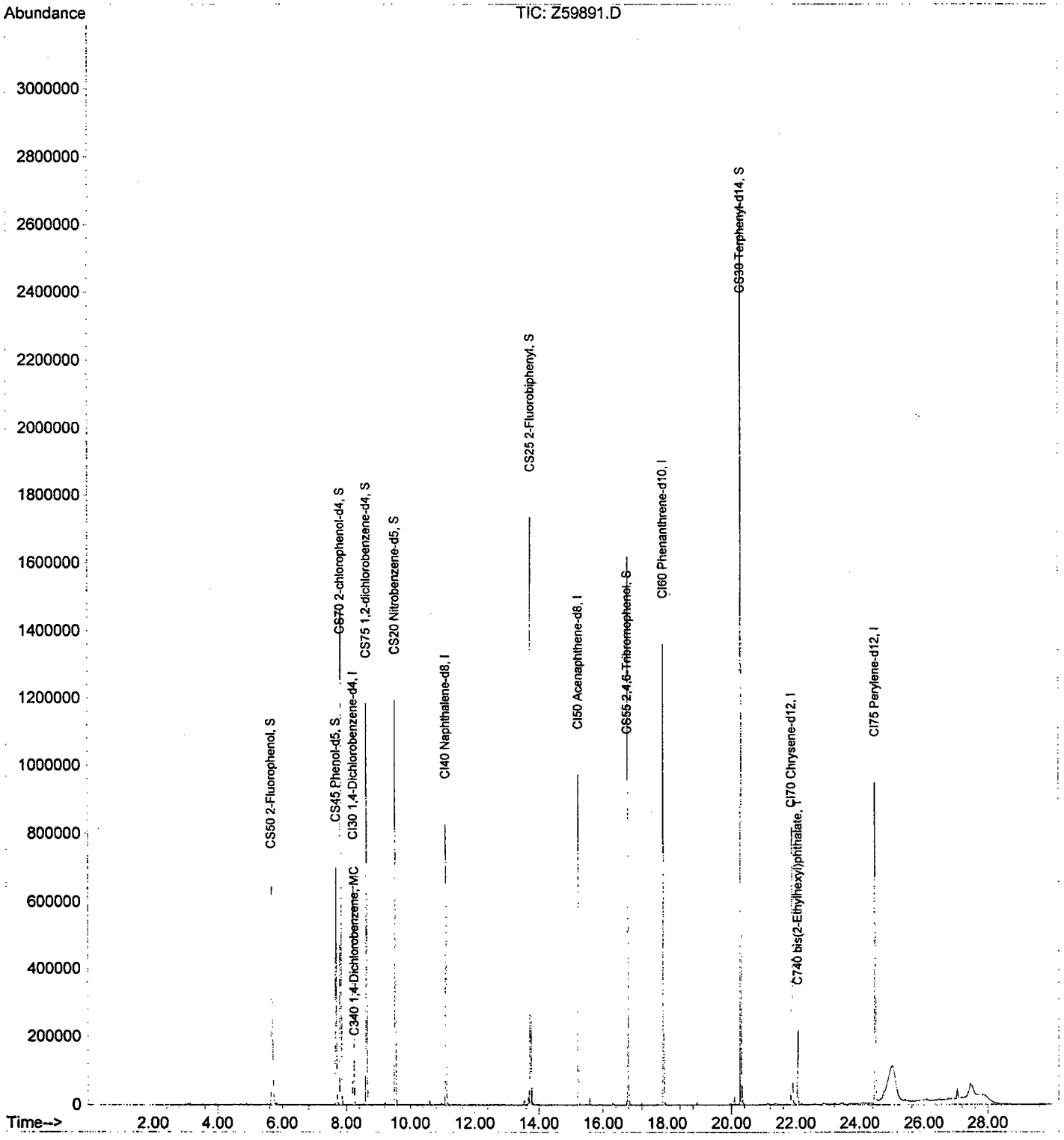
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59891.D Vial: 20
Acq On : 2 Feb 2004 22:06 Operator: PM
Sample : A4063415 AW40007194 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:12 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59891.D Vial: 20
Acq On : 2 Feb 2004 22:06 Operator: PM
Sample : A4063415 AW40007194 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:12 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	215371	40.00	ng	0.02 / 82.19%
22) CI40 Naphthalene-d8	11.10	136	804635	40.00	ng	0.02 / 82.57%
38) CI50 Acenaphthene-d8	15.23	164	418554	40.00	ng	0.03 / 76.90%
60) CI60 Phenanthrene-d10	17.88	188	741999	40.00	ng	0.02 / 77.95%
73) CI70 Chrysene-d12	21.87	240	727480	40.00	ng	0.00 / 76.13%
82) CI75 Perylene-d12	24.48	264	738128	40.00	ng	0.02 / 83.13%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	522577	80.05	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 53.37%			
6) CS45 Phenol-d5	7.68	99	448821	54.34	ng	0.03
Spiked Amount 150.000	Range 10 - 110		Recovery = 36.23%			
7) CS70 2-chlorophenol-d4	7.82	132	859431	122.73	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 81.82%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	335368	76.89	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 76.89%			
23) CS20 Nitrobenzene-d5	9.53	82	679893	89.22	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 89.22%			
42) CS25 2-Fluorobiphenyl	13.75	172	1188445	99.68	ng	0.03
Spiked Amount 100.000	Range 43 - 116		Recovery = 99.68%			
63) CS55 2,4,6-Tribromophenol	16.77	330	354590	148.76	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 99.17%			
76) CS30 Terphenyl-d14	20.30	244	1422394	110.87	ng	0.03
Spiked Amount 100.000	Range 33 - 141		Recovery = 110.87%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59891.D Vial: 20
Acq On : 2 Feb 2004 22:06 Operator: PM
Sample : A4063415 AW40007194 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:12 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	8.25	146	5196	0.64 ng	86
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

322/401

Client No.

MW-2

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063411

ample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59885.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

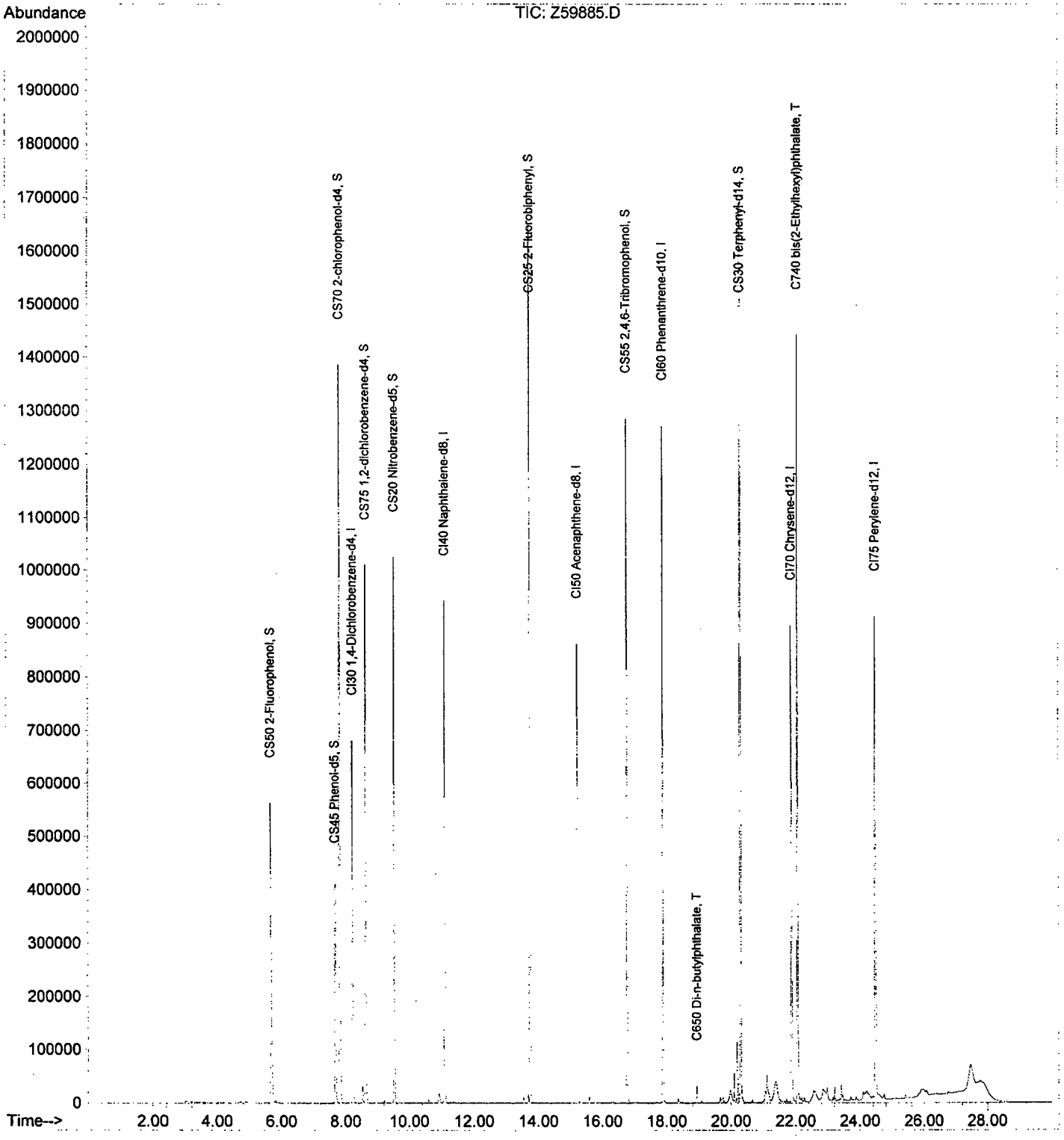
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59885.D Vial: 14
Acq On : 2 Feb 2004 18:38 Operator: PM
Sample : A4063411 AW40007188 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59885.D Vial: 14
Acq On : 2 Feb 2004 18:38 Operator: PM
Sample : A4063411 AW40007188 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	205842	40.00	ng	0.02 / 78.55%
22) CI40 Naphthalene-d8	11.10	136	753171	40.00	ng	0.02 / 77.28%
38) CI50 Acenaphthene-d8	15.22	164	392912	40.00	ng	0.02 / 72.19%
60) CI60 Phenanthrene-d10	17.88	188	707127	40.00	ng	0.02 / 74.29%
73) CI70 Chrysene-d12	21.87	240	717645	40.00	ng	0.00 / 75.10%
82) CI75 Perylene-d12	24.48	264	735740	40.00	ng	0.02 / 82.86%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	399944	64.10	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 42.73%			
6) CS45 Phenol-d5	7.67	99	336962	42.69	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 28.46%			
7) CS70 2-chlorophenol-d4	7.82	132	717409	107.19	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 71.46%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	279763	67.11	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 67.11%			
23) CS20 Nitrobenzene-d5	9.53	82	580308	81.35	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 81.35%			
42) CS25 2-Fluorobiphenyl	13.73	172	988838	88.35	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 88.35%			
63) CS55 2,4,6-Tribromophenol	16.77	330	296748	130.63	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 87.09%			
76) CS30 Terphenyl-d14	20.28	244	1193625	94.31	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 94.31%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.	
4) E600 Benzaldehyde	0.00	77	N.D.	
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.	
8) C315 Phenol	0.00	94	N.D.	
9) C330 2-Chlorophenol	0.00	128	N.D.	
10) C320 aniline	0.00	93	N.D.	

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59885.D Vial: 14
Acq On : 2 Feb 2004 18:38 Operator: PM
Sample : A4063411 AW40007188 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

326/401

Client No.

MW-20

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063412

ample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z59886.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

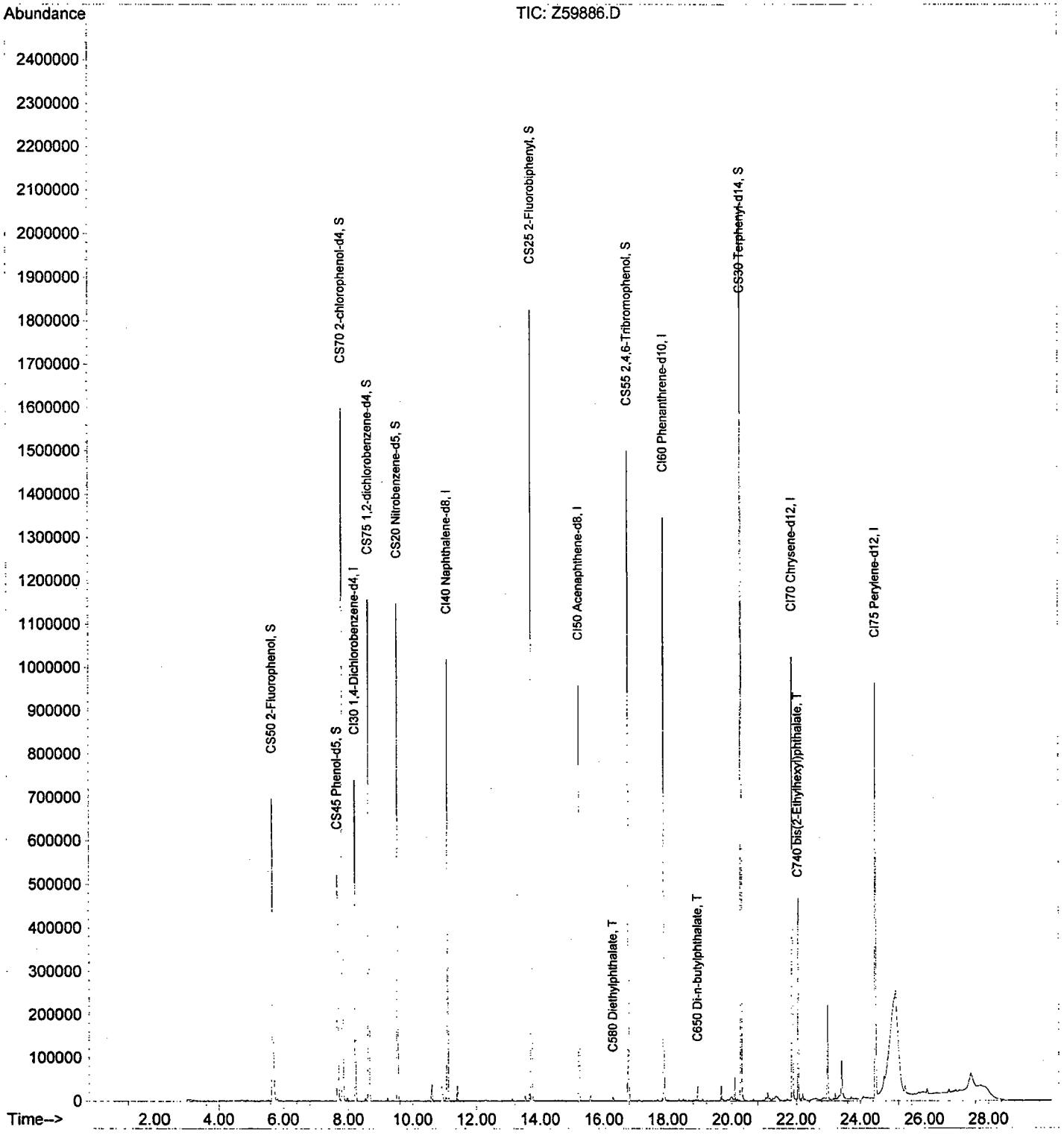
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59886.D Vial: 15
Acq On : 2 Feb 2004 19:13 Operator: PM
Sample : A4063412 AW40007189 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Data File : D:\ELINK\INSTR1\DATA\020204\Z59886.D Vial: 15
Acq On : 2 Feb 2004 19:13 Operator: PM
Sample : A4063412 AW40007189 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	213253	40.00	ng	0.02 81.38%
22) CI40 Naphthalene-d8	11.10	136	794251	40.00	ng	0.02 81.50%
38) CI50 Acenaphthene-d8	15.22	164	416433	40.00	ng	0.02 76.51%
60) CI60 Phenanthrene-d10	17.88	188	771075	40.00	ng	0.02 81.00%
73) CI70 Chrysene-d12	21.87	240	764355	40.00	ng	0.00 79.98%
82) CI75 Perylene-d12	24.48	264	783832	40.00	ng	0.02 88.28%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	469245	72.60	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 48.40%			
6) CS45 Phenol-d5	7.67	99	401913	49.14	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 32.76%			
7) CS70 2-chlorophenol-d4	7.82	132	805396	116.16	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 77.44%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	323530	74.91	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 74.91%			
23) CS20 Nitrobenzene-d5	9.53	82	657813	87.45	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 87.45%			
42) CS25 2-Fluorobiphenyl	13.73	172	1109002	93.49	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 93.49%			
63) CS55 2,4,6-Tribromophenol	16.77	330	341398	137.83	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 91.89%			
76) CS30 Terphenyl-d14	20.28	244	1257262	93.27	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 93.27%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59886.D Vial: 15
Acq On : 2 Feb 2004 19:13 Operator: PM
Sample : A4063412 AW40007189 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

330/401

Client No.

MW-6

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063413

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z59887.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

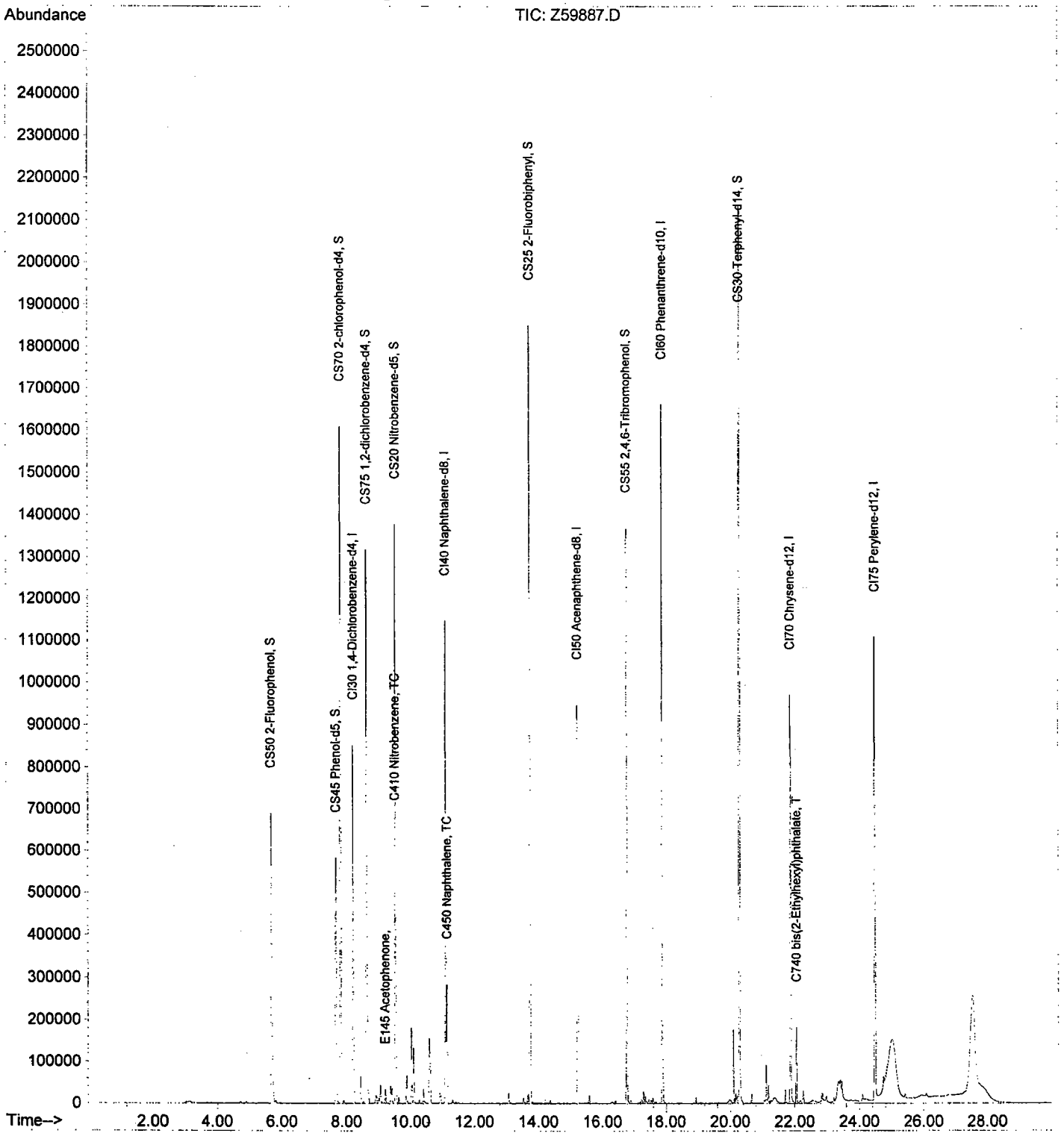
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59887.D Vial: 16
Acq On : 2 Feb 2004 19:47 Operator: PM
Sample : A4063413 AW40007190 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59887.D Vial: 16
Acq On : 2 Feb 2004 19:47 Operator: PM
Sample : A4063413 AW40007190 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	251488	40.00	ng	0.02 / 95.97%
22) CI40 Naphthalene-d8	11.10	136	941179	40.00	ng	0.02 / 96.58%
38) CI50 Acenaphthene-d8	15.22	164	486150	40.00	ng	0.02 / 89.32%
60) CI60 Phenanthrene-d10	17.88	188	903978	40.00	ng	0.02 / 94.97%
73) CI70 Chrysene-d12	21.87	240	834608	40.00	ng	0.00 / 87.34%
82) CI75 Perylene-d12	24.48	264	863311	40.00	ng	0.02 / 97.23%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	504794	66.22	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 44.15%			
6) CS45 Phenol-d5	7.68	99	431435	44.73	ng	0.03
Spiked Amount 150.000	Range 10 - 110		Recovery = 29.82%			
7) CS70 2-chlorophenol-d4	7.82	132	877506	107.31	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 71.54%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	359394	70.56	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 70.56%			
23) CS20 Nitrobenzene-d5	9.53	82	735814	82.55	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 82.55%			
42) CS25 2-Fluorobiphenyl	13.73	172	1216575	87.85	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 87.85%			
63) CS55 2,4,6-Tribromophenol	16.77	330	366602	126.24	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 84.16%			
76) CS30 Terphenyl-d14	20.28	244	1390072	94.44	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 94.44%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

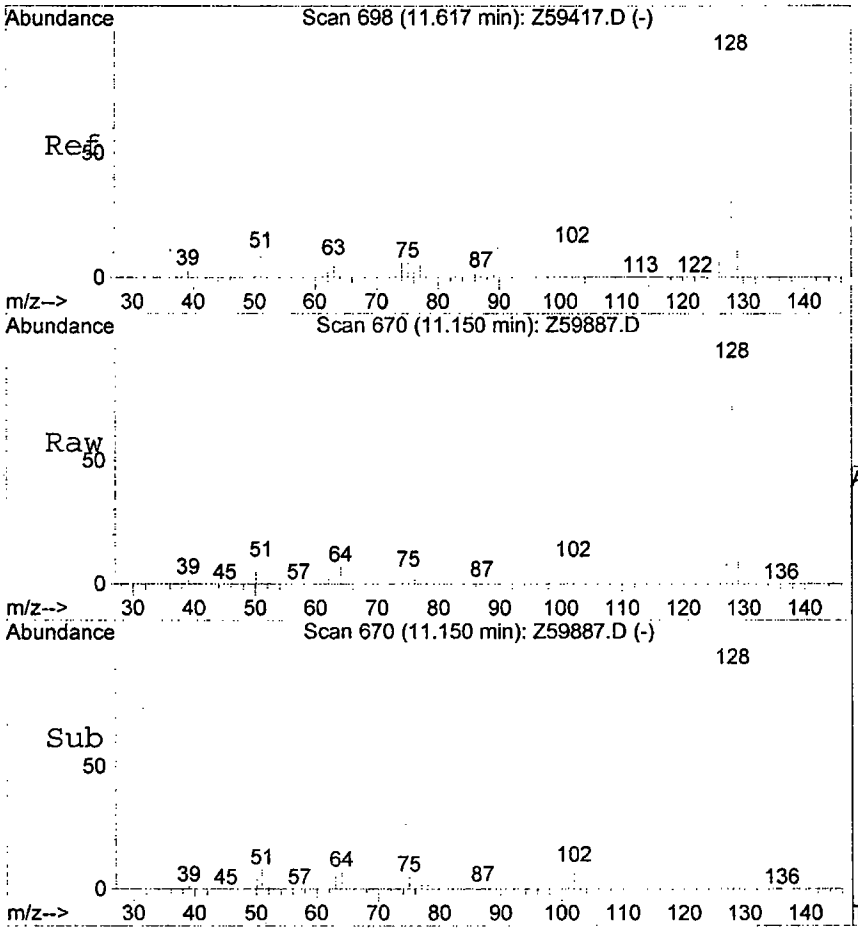
Data File : D:\ELINK\INSTR1\DATA\020204\Z59887.D Vial: 16
Acq On : 2 Feb 2004 19:47 Operator: PM
Sample : A4063413 AW40007190 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:10 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.			
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.			
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.			
15)	C345 Benzyl alcohol	0.00	108		N.D.			
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.			
17)	C355 2-Methylphenol	0.00	108		N.D.			
18)	E145 Acetophenone	9.22	105	29765	2.90	ng	#	15
19)	C375 Hexachloroethane	0.00	117		N.D.			
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.			
21)	C365 4-Methylphenol	0.00	108		N.D.			
24)	C410 Nitrobenzene	9.52	77	8457	0.91	ng	#	34
25)	C415 Isophorone	0.00	82		N.D.			
26)	C430 benzoic acid	0.00	122		N.D.			
27)	C420 2-Nitrophenol	0.00	139		N.D.			
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.			
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.			
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.			
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.			
32)	C450 Naphthalene	11.15	128	247140	10.61	ng		98
33)	C455 4-Chloroaniline	0.00	127		N.D.			
34)	C460 Hexachlorobutadiene	0.00	225		N.D.			
35)	E655 Caprolactam	0.00	113		N.D.			
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.			
37)	C470 2-Methylnaphthalene	0.00	142		N.D.			
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.			
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.			
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.			
43)	C525 2-Chloronaphthalene	0.00	162		N.D.			
44)	C811 1,1'-Biphenyl	0.00	154		N.D.			
45)	C530 2-Nitroaniline	0.00	65		N.D.			
46)	C540 Acenaphthylene	0.00	152		N.D.			
47)	C535 Dimethylphthalate	0.00	163		N.D.			
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.			
49)	C550 Acenaphthene	0.00	153		N.D.			
50)	C545 3-Nitroaniline	0.00	138		N.D.			
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.			
52)	C565 Dibenzofuran	0.00	168		N.D.			
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.			
54)	C560 4-Nitrophenol	0.00	109		N.D.			
55)	C590 Fluorene	0.00	166		N.D.			

2/5/04

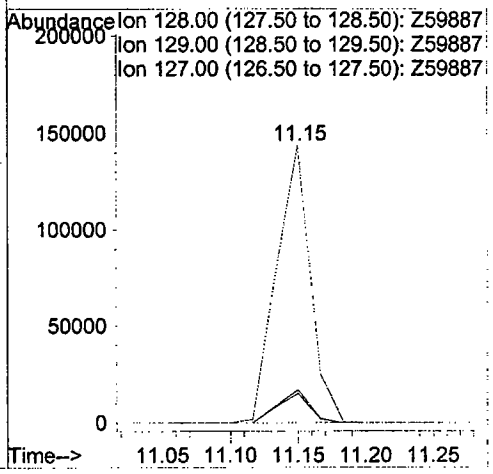
(#) = qualifier out of range (m) = manual integration



#32
C450 Naphthalene
Concen: 10.61 ng
RT: 11.15 min Scan# 670
Delta R.T. 0.02 min
Lab File: Z59887.D
Acq: 2 Feb 2004 19:47

Tgt Ion:128 Resp: 247140

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	31.0
127	11.7	0.0	32.6



ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

335/401

Client No.

MW-8

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063414

ample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z59890.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

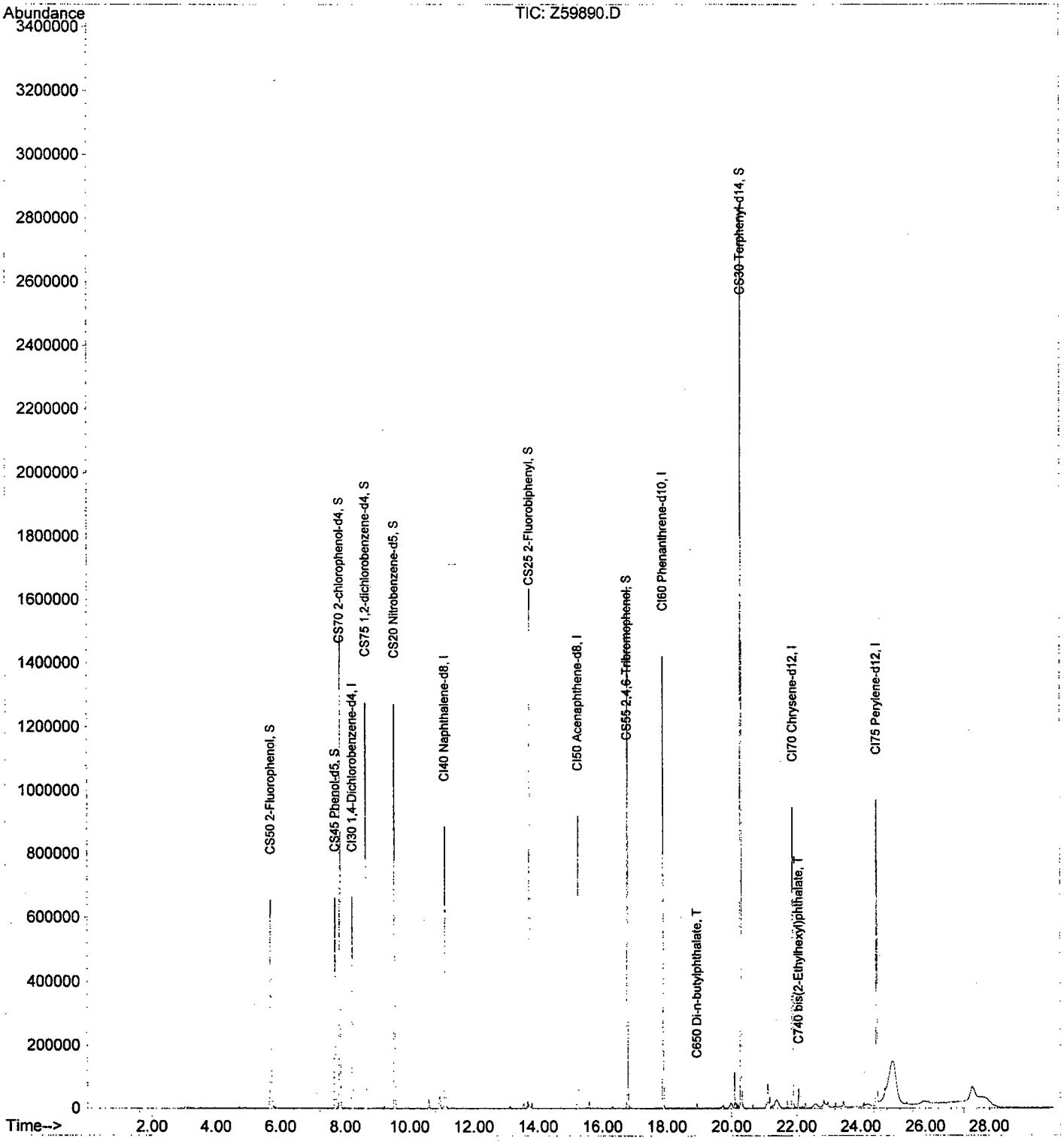
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59890.D Vial: 19
Acq On : 2 Feb 2004 21:31 Operator: PM
Sample : A4063414 AW40007193 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:12 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59890.D Vial: 19
Acq On : 2 Feb 2004 21:31 Operator: PM
Sample : A4063414 AW40007193 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:12 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	222985	40.00	ng	0.02 / 85.09%
22) CI40 Naphthalene-d8	11.10	136	825712	40.00	ng	0.02 / 84.73%
38) CI50 Acenaphthene-d8	15.23	164	430466	40.00	ng	0.03 / 79.09%
60) CI60 Phenanthrene-d10	17.88	188	775895	40.00	ng	0.02 / 81.51%
73) CI70 Chrysene-d12	21.88	240	760167	40.00	ng	0.02 / 79.55%
82) CI75 Perylene-d12	24.48	264	751624	40.00	ng	0.02 / 84.65%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.68	112	528279	78.16	ng	0.03
Spiked Amount 150.000	Range 21 - 110		Recovery = 52.11%			
6) CS45 Phenol-d5	7.68	99	437453	51.15	ng	0.03
Spiked Amount 150.000	Range 10 - 110		Recovery = 34.10%			
7) CS70 2-chlorophenol-d4	7.82	132	905409	124.88	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 83.25%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	360591	79.85	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 79.85%			
23) CS20 Nitrobenzene-d5	9.53	82	724839	92.69	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 92.69%			
42) CS25 2-Fluorobiphenyl	13.73	172	1226278	100.00	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 100.00%			
63) CS55 2,4,6-Tribromophenol	16.77	330	369512	148.25	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 98.83%			
76) CS30 Terphenyl-d14	20.30	244	1470241	109.67	ng	0.03
Spiked Amount 100.000	Range 33 - 141		Recovery = 109.67%			

Target Compounds			Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.
4) E600 Benzaldehyde	0.00	77	N.D.
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.
8) C315 Phenol	0.00	94	N.D.
9) C330 2-Chlorophenol	0.00	128	N.D.
10) C320 aniline	0.00	93	N.D.

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59890.D Vial: 19
Acq On : 2 Feb 2004 21:31 Operator: PM
Sample : A4063414 AW40007193 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:12 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

STANDARDS

SEMIVOLATILE 3/90 AND ASP '91
INITIAL CALIBRATION DATA

ab Name: STL Buffalo Contract: _____ Lab Sample ID: A3I0001545-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

ntrument ID: I50Z-A Calibration Dates(s): 12/13/2003 12/13/2003

Calibration Times: 10:52 13:09

Lab File ID: RRF20 = Z59734.RR RRF50 = Z59735.RR
RRF80 = Z59736.RR RRF120 = Z59737.RR RRF160 = Z59738.RR

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	AVG RRF	% RSD
Phenol	* 1.752	1.739	1.686	1.898	1.845	1.7840	4.800*
4-Methylphenol	* 1.215	1.248	1.175	1.312	1.222	1.2340	4.100*
Naphthalene	* 0.991	0.958	0.933	0.990	0.918	0.9580	3.400*
Nitrobenzene-D5	* 0.349	0.363	0.375	0.418	0.400	0.3810	7.300*
2-Fluorobiphenyl	* 1.185	1.149	1.173	1.222	1.134	1.1730	2.900*
p-Terphenyl-d14	* 0.751	0.733	0.705	0.708	0.630	0.7050	6.500*
Phenol-D5	* 1.597	1.544	1.559	1.735	1.690	1.6250	5.200*
2-Fluorophenol	* 1.156	1.176	1.233	1.407	1.382	1.2710	9.200*
2,4,6-Tribromophenol	0.112	0.124	0.128	0.140	0.140	0.1290	9.200
2-Chlorophenol-d4	* 1.279	1.256	1.261	1.416	1.371	1.3160	5.500*
1,2-Dichlorobenzene-d4	* 0.830	0.798	0.784	0.842	0.794	0.8100	3.100*

Comments:

ab Samp Id: A3I0001545-1 Z59734 CLP ICC
ofile Code: A00012 SEMIVOLATILE 3/90, ASP '91 CALIBRATION DATA Tune Code: A3T0003162 Z59732 DFTPP 50ng
Matrix: W Fraction: MB

Instr: I50Z-A Heated Purge? F Analyst: PM
Column: ZB-5 0.25 mm CCC Conc: 50.00 ng Calib Start: 12/13/2003 10:52
Ref ID: IS Conc: 40.00 ng End: 12/13/2003 13:09
Level: L Inj Volume: 2.00 ul

	Lab file ID
Conc Point 1:	20.0000 ng Z59734.RR
Conc Point 2:	50.0000 ng Z59735.RR
Conc Point 3:	80.0000 ng Z59736.RR
Conc Point 4:	120.0000 ng Z59737.RR
Conc Point 5:	160.0000 ng Z59738.RR
Conc Point 6:	0.0000 ng

I T	Parameter	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	Avg RRF	Min RRF	% RSD	Max % RSD	--IS-- AU	RT	E Tresh
)	Phenol	1.7522	1.7386	1.6857	1.8983	1.8452		1.784	0.8000	4.8	20.50	538310	7.82	160
)	Bis(2-chloroethyl) ether	1.5080	1.4681	1.4717	1.6224	1.6917		1.552	0.7000	6.4	20.50	454561	7.92	160
)	2-Chlorophenol	1.2945	1.2856	1.2733	1.4302	1.3868		1.334	0.8000	5.2	20.50	398059	7.98	160
)	1,3-Dichlorobenzene	1.4766	1.4124	1.3986	1.5497	1.4672		1.461	0.6000	4.1	20.50	437323	8.27	160
)	1,4-Dichlorobenzene	1.4993	1.4455	1.4105	1.5416	1.4996		1.479	0.5000	3.5	20.50	447576	8.38	160
)	1,2-Dichlorobenzene	1.4164	1.3691	1.3453	1.4482	1.3655		1.389	0.4000	3.0	20.50	423924	8.78	160
)	2-Methylphenol	1.0757	1.0992	1.0869	1.2232	1.1832		1.134	0.7000	5.8	20.50	340348	9.10	160
)	2,2'-Oxybis(1-Chloropropa	2.6242	2.5579	2.4725	2.6926	2.5731		2.584	0.0100	3.2	100.00	791990	9.12	160
)	4-Methylphenol	1.2149	1.2484	1.1748	1.3117	1.2224		1.234	0.6000	4.1	20.50	386547	9.43	160
)	1,2-Diphenylhydrazine	1.6986	1.6555	1.6715	1.7267	1.6193		1.674	0.0100	2.4	100.00	******	16.7	160
)	N-Nitroso-Di-n-propylamin	1.0153	1.0248	1.0007	1.0888	1.0294		1.032	0.5000	3.3	20.50	317297	9.43	160
)	Acetophenone	1.6178	1.6381	1.6064	1.7828	1.7392		1.677	0.0100	4.7	100.00	507186	9.33	160
)	Benzaldehyde	0.9144	0.6229	0.6020	0.5843	0.4031		0.625	0.0100	29.4	100.00	192881	7.45	160
)	Caprolactam	0.0604	0.0870	0.0950	0.1154	0.1121		0.094	0.0100	23.6	100.00	102233	12.2	160
)	Biphenyl	1.3222	1.2656	1.2323	1.2849	1.1936		1.260	0.0100	3.9	100.00	809305	14.0	160
)	Atrazine	0.1545	0.1778	0.1449	0.1440	0.0840		0.141	0.0100	24.6	100.00	192754	17.6	160
)	Hexachloroethane	0.6019	0.6019	0.5900	0.6184	0.5538		0.593	0.3000	4.1	20.50	186369	9.47	160
)	Nitrobenzene	0.3757	0.3805	0.3885	0.4245	0.3963		0.393	0.2000	4.9	20.50	447342	9.70	160
)	Isophorone	0.6960	0.7215	0.7266	0.8088	0.7715		0.745	0.4000	6.0	20.50	848192	10.2	160
)	2-Nitrophenol	0.1507	0.1689	0.1816	0.2047	0.1990		0.181	0.1000	12.2	20.50	198573	10.4	160
)	2,4-Dimethylphenol	0.2770	0.2913	0.2889	0.3238	0.3128		0.299	0.2000	6.4	20.50	342408	10.6	160
)	Bis(2-chloroethoxy) metha	0.4475	0.4487	0.4571	0.4946	0.4699		0.464	0.3000	4.2	20.50	527471	10.8	160
)	2,4-Dichlorophenol	0.2545	0.2718	0.2752	0.3023	0.2857		0.278	0.2000	6.4	20.50	319515	10.9	160
)	1,2,4-Trichlorobenzene	0.3087	0.3056	0.3012	0.3247	0.3096		0.310	0.2000	2.9	20.50	359218	11.1	160
)	Naphthalene	0.9909	0.9579	0.9329	0.9898	0.9182		0.958	0.7000	3.4	20.50	******	11.2	160
)	4-Chloroaniline	0.3816	0.3914	0.3860	0.4265	0.4040		0.398	0.0100	4.5	100.00	460136	11.5	160
)	Hexachlorobutadiene	0.1702	0.1681	0.1655	0.1830	0.1729		0.172	0.0100	3.9	100.00	197654	11.7	160
)	4-Chloro-3-methylphenol	0.2591	0.2769	0.2819	0.3224	0.3050		0.289	0.2000	8.6	20.50	325519	12.7	160
)	2-Methylnaphthalene	0.6149	0.6098	0.5830	0.6338	0.5932		0.607	0.4000	3.2	20.50	716863	12.9	160
)	Hexachlorocyclopentadiene	0.2154	0.2789	0.3043	0.3420	0.3301		0.294	0.0100	17.1	100.00	178336	13.4	160
)	2,4,6-Trichlorophenol	0.3057	0.3329	0.3516	0.3980	0.3758		0.353	0.2000	10.2	20.50	212906	13.6	160
)	2,4,5-Trichlorophenol	*	0.3643	0.3806	0.4204	0.4182		0.396	0.2000	7.0	20.50	232975	13.7	160
)	2-Chloronaphthalene	1.0948	1.0420	1.0551	1.0876	1.0088		1.058	0.8000	3.3	20.50	666345	14.0	160
)	2-Nitroaniline	*	0.3462	0.3816	0.4147	0.4230		0.391	0.0100	8.9	100.00	221399	14.4	160
)	Dimethyl phthalate	1.2062	1.1924	1.1763	1.2693	1.1842		1.206	0.0100	3.1	100.00	762513	14.9	160
)	Acenaphthylene	1.6782	1.6647	1.6234	1.7028	1.6106		1.656	1.3000	2.3	20.50	******	15.0	160
)	2,6-Dinitrotoluene	0.2378	0.2693	0.2856	0.3231	0.3110		0.285	0.2000	11.9	20.50	172221	15.0	160
)	3-Nitroaniline	*	0.3462	0.3795	0.4208	0.4382		0.396	0.0100	10.4	100.00	221397	14.4	160
)	Acenaphthene	1.0246	0.9705	0.9368	1.0212	0.9224		0.975	0.8000	4.8	20.50	620614	15.4	160
)	2,4-Dinitrophenol	*	0.1460	0.1713	0.2078	0.2145		0.185	0.0100	17.4	100.00	93368	15.5	160
)	4-Nitrophenol	*	0.1315	0.1317	0.1515	0.1534		0.142	0.0100	8.5	100.00	84062	15.8	160
)	Dibenzofuran	1.5325	1.5138	1.4632	1.5783	1.4729		1.512	0.8000	3.1	20.50	968057	15.7	160
)	2,4-Dinitrotoluene	0.3622	0.3791	0.3885	0.4439	0.4004		0.395	0.2000	7.8	20.50	242442	15.8	160
)	Diethyl phthalate	1.2389	1.1645	1.1405	1.2738	1.1224		1.188	0.0100	5.5	100.00	744639	16.4	160
)	4-Chlorophenyl phenyl eth	0.6583	0.6308	0.6294	0.6766	0.6142		0.642	0.4000	3.9	20.50	403410	16.4	160

Ave RRF or Max % RSD is out of range or RRF is below MINRRF

ab Samp Id: A3I0001545-1

g	I	Parameter	RRF 1	RRF 2	RRF 3	RRF 4	RRF 5	RRF 6	Ave RRF	Min RRF	% RSD	Max % RSD	--IS-- AU	RT	E Tresh
0		Fluorene	1.1893	1.1792	1.1240	1.1389	1.0749		1.141	0.9000	4.0	20.50	754074	16.4	160
0		4-Nitroaniline	*	0.3266	0.3285	0.3755	0.3692		0.350	0.0100	7.4	100.00	208864	16.5	160
0		4,6-Dinitro-2-methylpheno	*	0.1376	0.1427	0.1644	0.1656		0.153	0.0100	9.5	100.00	149174	16.6	160
0		N-nitrosodiphenylamine	0.5317	0.5271	0.5070	0.5696	0.4958		0.526	0.0100	5.4	100.00	571327	16.6	160
0		4-Bromophenyl phenyl ethe	0.2078	0.2190	0.2125	0.2230	0.2206		0.217	0.1000	2.9	20.50	237400	17.2	160
0		Hexachlorobenzene	0.2696	0.2655	0.2568	0.2648	0.2538		0.262	0.1000	2.5	20.50	287781	17.5	160
0		Pentachlorophenol	*	0.1253	0.1377	0.1603	0.1559		0.145	0.0500	11.2	20.50	135810	17.8	160
0		Phenanthrene	1.0256	0.9739	0.9033	0.9245	0.9573		0.957	0.7000	4.9	20.50	******	18.0	160
0		Anthracene	1.0410	0.9936	0.9320	1.0276	0.9172		0.982	0.7000	5.7	20.50	******	18.0	160
0		Carbazole	0.9321	0.8771	0.8680	0.9613	0.8763		0.903	0.0100	4.6	100.00	950656	18.3	160
0		Di-n-butyl phthalate	1.0862	1.0886	1.1325	1.1900	1.0550		1.110	0.0100	4.7	100.00	******	19.0	160
0		Fluoranthene	1.0021	0.9179	0.9185	0.9924	0.9123		0.949	0.6000	4.7	20.50	994896	19.8	160
0		Pyrene	1.0594	0.9687	0.9247	1.0193	0.8796		0.970	0.6000	7.4	20.50	******	20.1	160
0		Butyl benzyl phthalate	0.4664	0.4747	0.4730	0.5441	0.5125		0.494	0.0100	6.7	100.00	501128	21.1	160
0		3,3'-Dichlorobenzidine	0.2669	0.2915	0.2976	0.3217	0.2970		0.295	0.0100	6.6	100.00	307673	21.9	160
0		Benzo(a)anthracene	0.9127	0.8734	0.8589	0.9539	0.8542		0.891	0.8000	4.7	20.50	922015	21.9	160
0		Chrysene	1.0414	0.9902	0.9782	1.0082	0.9981		1.003	0.7000	2.4	20.50	******	22.0	160
0		Bis(2-ethylhexyl) phthala	0.5631	0.6412	0.6637	0.7235	0.6862		0.656	0.0100	9.1	100.00	676843	22.1	160
0		Di-n-octyl phthalate	1.0346	1.1805	1.1476	1.1247	1.0738		1.112	0.0100	5.2	100.00	******	23.3	160
0		Benzo(b)fluoranthene	1.1510	1.0047	1.0929	1.2350	1.2630		1.149	0.7000	9.2	20.50	890568	23.9	160
0		Benzo(k)fluoranthene	1.0420	1.1035	0.9206	0.8491	0.7637		0.936	0.7000	14.8	20.50	978148	23.9	160
0		Benzo(a)pyrene	1.0018	1.0127	1.0345	1.0805	1.0290		1.032	0.7000	2.9	20.50	897711	24.5	160
0		Indeno(1,2,3-cd)pyrene	1.1875	1.3347	1.4173	1.4562	1.3651		1.352	0.5000	7.6	20.50	******	26.6	160
0		Dibenzo(a,h)anthracene	1.1643	1.2558	1.2940	1.2761	1.1082		1.220	0.4000	6.5	20.50	******	26.6	160
0		Benzo(ghi)perylene	1.0176	1.1860	1.2976	1.2617	1.2559		1.204	0.5000	9.3	20.50	******	27.1	160
5		Benzidine	0.3855	0.3109	0.1958	0.2207	0.1427		0.251	0.0100	38.5	100.00	328250	20.0	160
7		N-Nitrosodimethylamine	0.8978	0.8736	0.9187	1.0378	0.9996		0.946	0.0100	7.4	100.00	270493	3.40	160
0		Benzoic acid	0.0492	0.1097	0.1417	0.1784	0.1868		0.133	0.0100	42.1	100.00	128965	10.9	160
0		Benzyl alcohol	0.6504	0.7045	0.7258	0.8155	0.7962		0.738	0.0100	9.2	100.00	218120	8.75	160
0		Aniline	1.7656	1.7111	1.5893	1.7192	1.2144		1.600	0.0100	14.1	100.00	529814	7.77	160
0	I	Phenanthrene-D10	1.0000	1.0000	1.0000	1.0000	1.0000		1.000	0.0100	0.0		867089	17.9	160
0	I	Chrysene-D12	1.0000	1.0000	1.0000	1.0000	1.0000		1.000	0.0100	0.0		844519	22.0	160
0	I	Perylene-D12	1.0000	1.0000	1.0000	1.0000	1.0000		1.000	0.0100	0.0		709131	24.6	160
0	I	1,4-Dichlorobenzene-D4	1.0000	1.0000	1.0000	1.0000	1.0000		1.000	0.0100	0.0		247701	8.35	160
0	I	Naphthalene-D8	1.0000	1.0000	1.0000	1.0000	1.0000		1.000	0.0100	0.0		940510	11.2	160
0	I	Acenaphthene-D10	1.0000	1.0000	1.0000	1.0000	1.0000		1.000	0.0100	0.0		511581	15.3	160
0	S	Nitrobenzene-D5	0.3494	0.3631	0.3753	0.4180	0.4002		0.381	0.2000	7.3	20.50	426877	9.65	160
0	S	2-Fluorobiphenyl	1.1849	1.1489	1.1732	1.2218	1.1337		1.173	0.7000	2.9	20.50	734721	13.8	160
0	S	p-Terphenyl-d14	0.7512	0.7327	0.7054	0.7075	0.6300		0.705	0.5000	6.5	20.50	773491	20.3	160
0	S	Phenol-D5	1.5966	1.5435	1.5590	1.7345	1.6901		1.625	0.8000	5.2	20.50	477902	7.78	160
0	S	2-Fluorophenol	1.1556	1.1762	1.2326	1.4074	1.3818		1.271	0.6000	9.2	20.50	364167	5.82	160
0	S	2,4,6-Tribromophenol	0.1123	0.1239	0.1279	0.1401	0.1403		0.129	0.0100	9.2	100.00	134240	16.8	160
0	S	2-Chlorophenol-d4	1.2785	1.2557	1.2605	1.4163	1.3714		1.316	0.8000	5.5	20.50	388785	7.95	160
0	S	1,2-Dichlorobenzene-d4	0.8296	0.7979	0.7839	0.8421	0.7940		0.810	0.4000	3.1	20.50	247036	8.77	160

Mean % RSD: 7.8

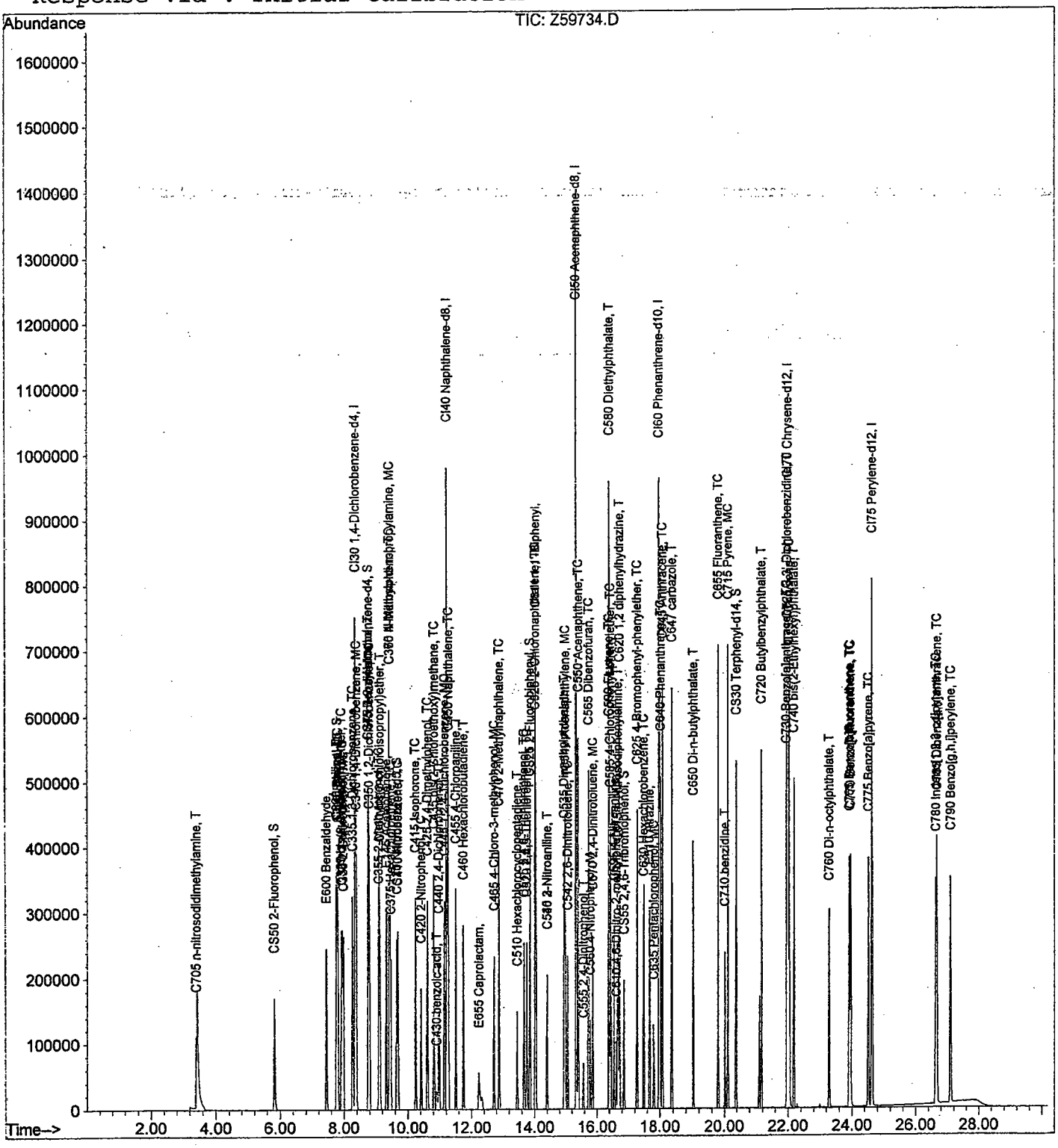
Ave RRF or Max % RSD is out of range or RRF is below MINRRF

Data File : D:\ELINK\INSTR1\DATA\121303\Z59734.D
Acq On : 13 Dec 2003 10:52
Sample : SSTD020
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003

Vial: 96
Operator: PM
Inst : I50Z-A
Multiplr: 1.00

Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:52:38 2003
Response via : Initial Calibration



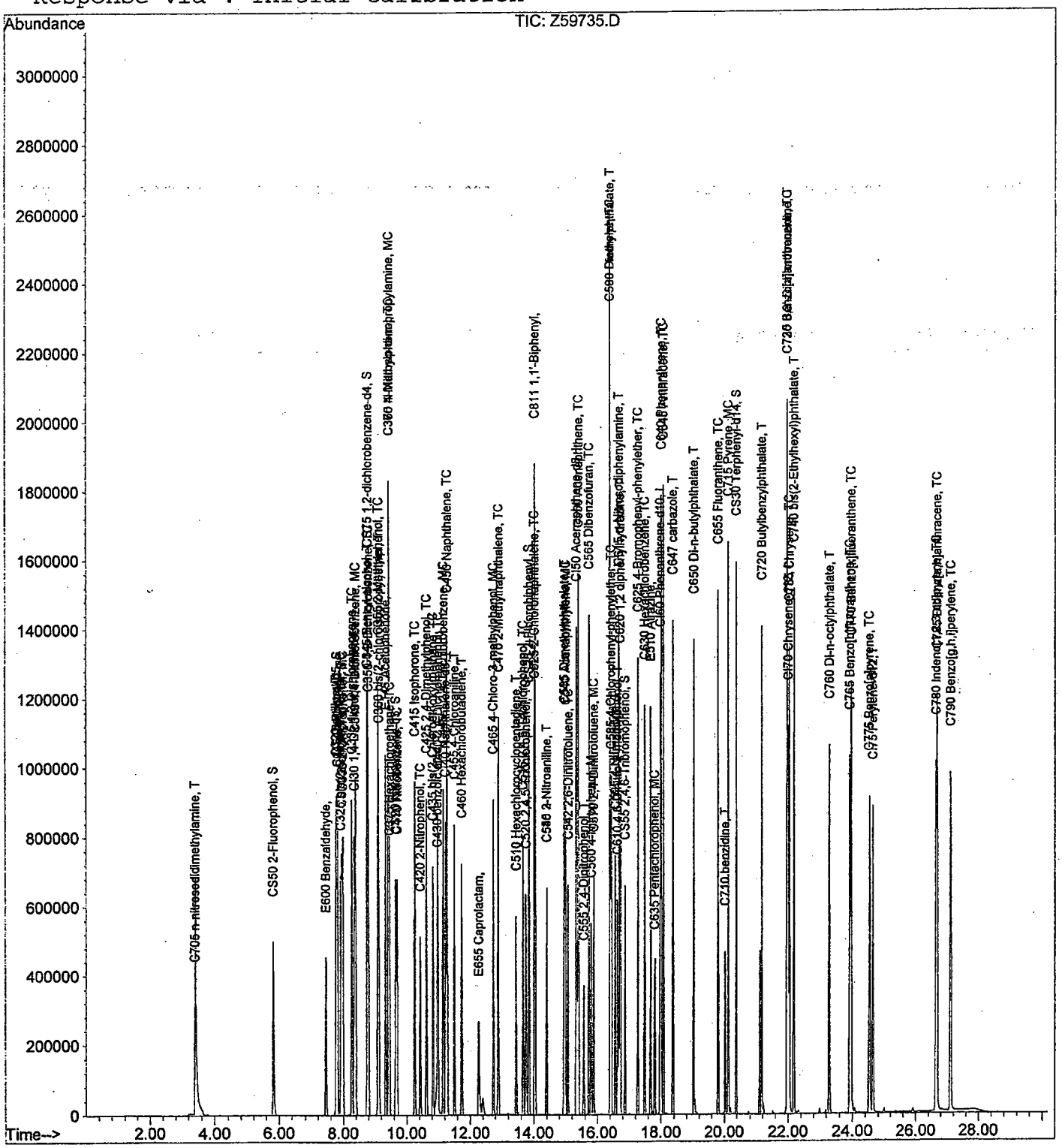
Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\121303\Z59735.D
Acq On : 13 Dec 2003 11:26
Sample : SSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003

Vial: 97
Operator: PM
Inst : I50Z-A
Multiplr: 1.00

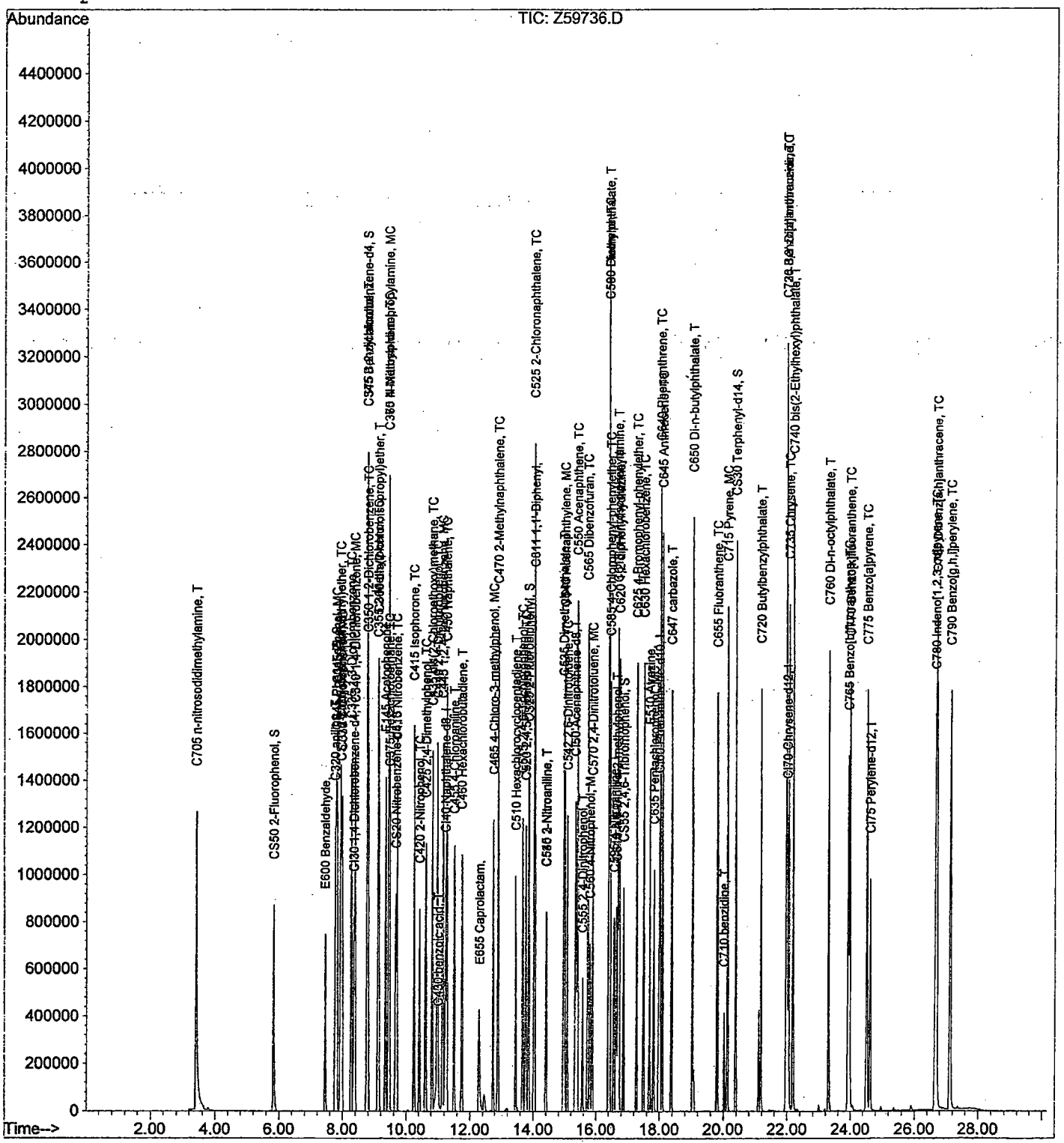
Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:52:38 2003
Response via : Initial Calibration



Data File : D:\ELINK\INSTR1\DATA\121303\Z59736.D Vial: 98
Acq On : 13 Dec 2003 12:01 Operator: PM
Sample : SSTD080 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:52:38 2003
Response via : Initial Calibration



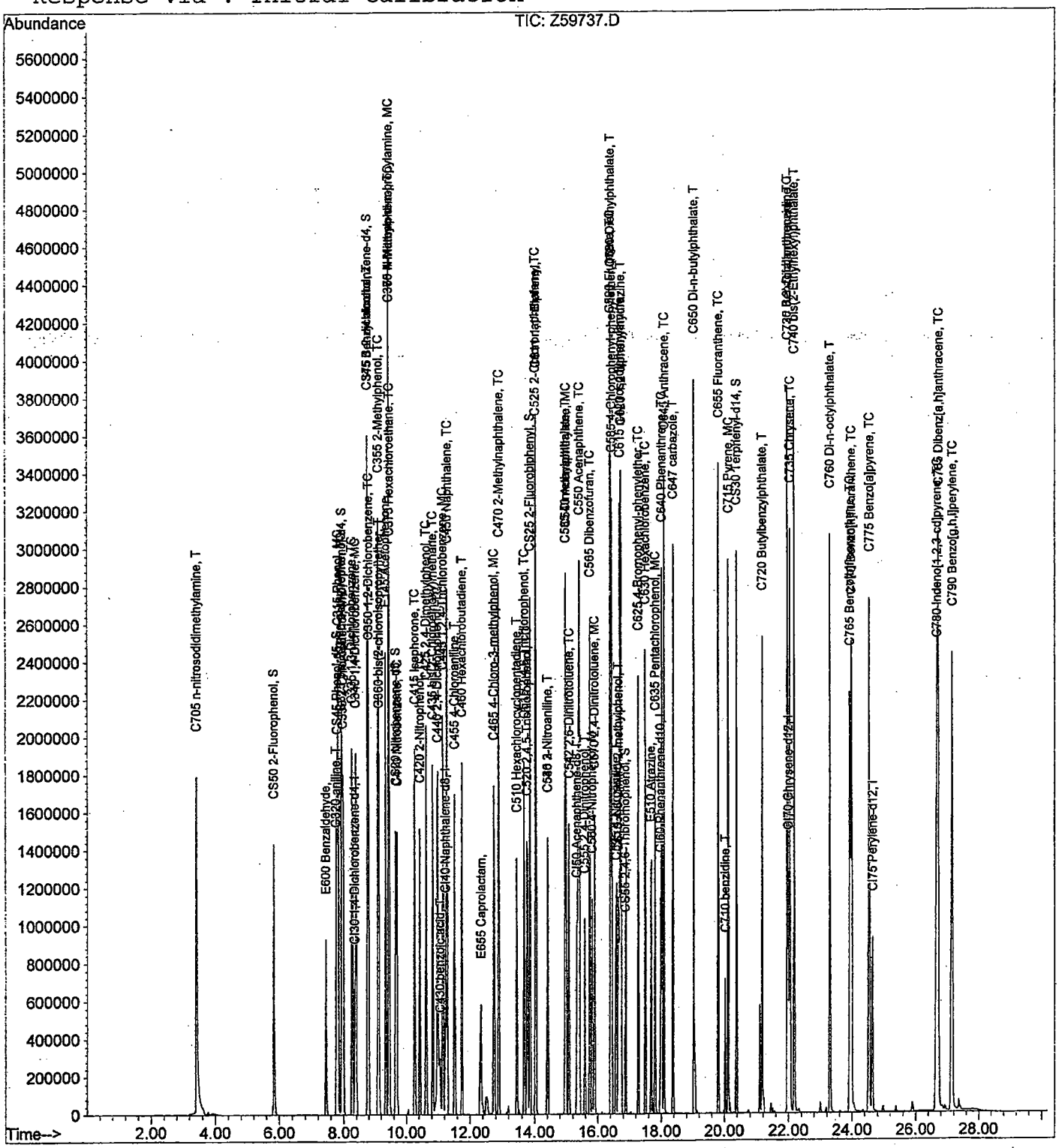
Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\121303\Z59737.D
Acq On : 13 Dec 2003 12:35
Sample : SSTD120
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003

Vial: 99
Operator: PM
Inst : I50Z-A
Multiplr: 1.00

Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:52:38 2003
Response via : Initial Calibration



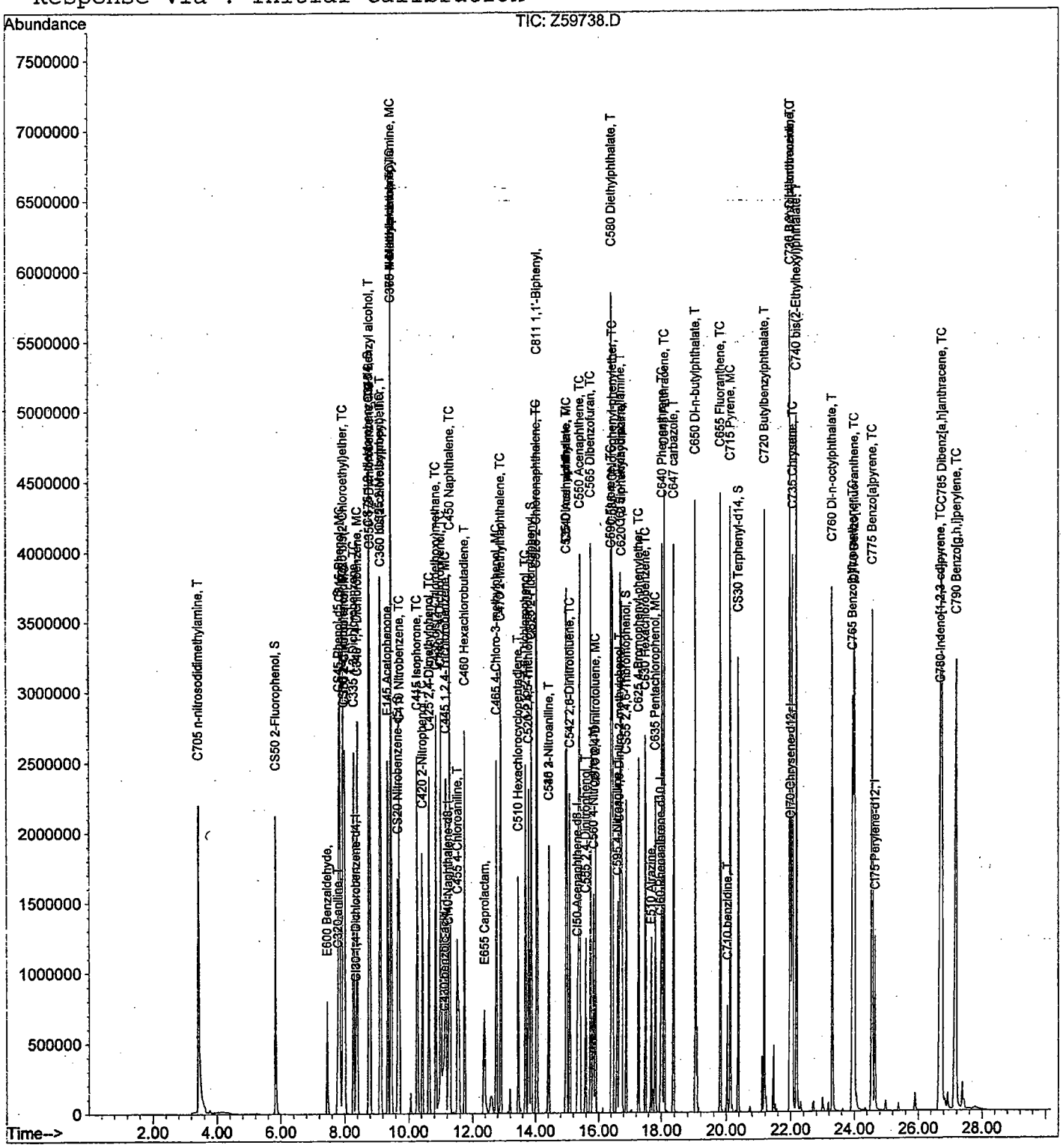
Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\121303\Z59738.D
Acq On : 13 Dec 2003 13:09
Sample : SSTD160
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003

Vial: 100
Operator: PM
Inst : I50Z-A
Multiplr: 1.00

Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:52:38 2003
Response via : Initial Calibration



Data File : D:\ELINK\INSTR1\DATA\121303\Z59734.D Vial: 96
Acq On : 13 Dec 2003 10:52 Operator: PM
Sample : SSTD020 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:42:32 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\121303\Z59735.D (13 Dec 2003 11:26)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.35	152	232995	40.00	ng	0.00 / 94.06%
22) CI40 Naphthalene-d8	11.22	136	894698	40.00	ng	0.00 / 95.13%
38) CI50 Acenaphthene-d8	15.33	164	489388	40.00	ng	0.00 / 95.66%
60) CI60 Phenanthrene-d10	17.97	188	845695	40.00	ng	-0.02 / 97.53%
73) CI70 Chrysene-d12	21.98	240	824522	40.00	ng	-0.02 / 97.63%
82) CI75 Perylene-d12	24.63	264	660225	40.00	ng	0.00 / 93.10%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.82	112	134623	19.64	ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery = 13.09%#			
6) CS45 Phenol-d5	7.78	99	186001	20.10	ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery = 13.40%			
7) CS70 2-chlorophenol-d4	7.95	132	148940	18.50	ng	0.00
Spiked Amount 150.000	Range 33 - 110		Recovery = 12.33%#			
13) CS75 1,2-dichlorobenzene-d	8.75	152	96646	18.89	ng	-0.02
Spiked Amount 100.000	Range 16 - 110		Recovery = 18.89%			
23) CS20 Nitrobenzene-d5	9.65	82	156283	16.53	ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery = 16.53%#			
42) CS25 2-Fluorobiphenyl	13.85	172	289947	20.87	ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery = 20.87%#			
63) CS55 2,4,6-Tribromophenol	16.87	330	47505	13.91	ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery = 9.27%#			
76) CS30 Terphenyl-d14	20.38	244	309677	21.26	ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery = 21.26%#			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.40	74	104592	22.43	ng	90
4) E600 Benzaldehyde	7.45	77	106527	22.14	ng	# 86
5) C325 bis(2-Chloroethyl)eth	7.92	93	175673	20.20	ng	# 77
8) C315 Phenol	7.80	94	204123	19.44	ng	89
9) C330 2-Chlorophenol	7.98	128	150802	19.24	ng	90
10) C320 aniline	7.77	93	205685	20.85	ng	# 47

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

Data File : D:\ELINK\INSTR1\DATA\121303\Z59734.D Vial: 96
Acq On : 13 Dec 2003 10:52 Operator: PM
Sample : SSTD020 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:42:32 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	8.27	146	172019	19.95	ng		98
12)	C340 1,4-Dichlorobenzene	8.38	146	174666	19.93	ng		99
14)	C350 1,2-Dichlorobenzene	8.78	146	165006	19.52	ng		94
15)	C345 Benzyl alcohol	8.75	108	75770	16.38	ng	#	85
16)	C360 bis(2-chloroisopropyl	9.12	45	305707	20.49	ng		94
17)	C355 2-Methylphenol	9.08	108	125312	18.79	ng		90
18)	E145 Acetophenone	9.33	105	188471	17.65	ng		89
19)	C375 Hexachloroethane	9.47	117	70124	17.97	ng		92
20)	C370 N-Nitroso-di-n-propyl	9.42	70	118275	17.06	ng		81
21)	C365 4-Methylphenol	9.42	108	141528	19.18	ng		94
24)	C410 Nitrobenzene	9.68	77	168084	17.18	ng		88
25)	C415 Isophorone	10.23	82	311343	17.49	ng		90
26)	C430 benzoic acid	10.90	122	22022	5.13	ng	#	76
27)	C420 2-Nitrophenol	10.42	139	67426	16.29	ng		88
28)	C425 2,4-Dimethylphenol	10.62	107	123929	15.47	ng		93
29)	C435 bis(2-Chloroethoxy)me	10.82	93	200185	18.65	ng		97
30)	C440 2,4-Dichlorophenol	10.97	162	113856	16.50	ng		95
31)	C445 1,2,4-Trichlorobenzen	11.15	180	138108	17.86	ng		93
32)	C450 Naphthalene	11.27	128	443259	20.19	ng		99
33)	C455 4-Chloroaniline	11.50	127	170716	18.45	ng		100
34)	C460 Hexachlorobutadiene	11.73	225	76138	15.64	ng		95
35)	E655 Caprolactam	12.23	113	27041m	13.39	ng	#	94
36)	C465 4-Chloro-3-methylphen	12.73	107	115920	14.94	ng		95
37)	C470 2-Methylnaphthalene	12.88	142	275097	18.46	ng		96
39)	C510 Hexachlorocyclopentad	13.45	237	52701	11.35	ng		95
40)	C515 2,4,6-Trichlorophenol	13.67	196	74805	16.58	ng		93
41)	C520 2,4,5-Trichlorophenol	13.75	196	83407	17.33	ng		93
43)	C525 2-Chloronaphthalene	14.02	162	267879	20.96	ng		97
44)	C811 1,1'-Biphenyl	14.03	154	323523	21.08	ng	#	96
45)	C530 2-Nitroaniline	14.40	65	74298	15.07	ng		92
46)	C540 Acenaphthylene	14.98	152	410650	20.95	ng		99
47)	C535 Dimethylphthalate	14.95	163	295150	19.48	ng		99
48)	C542 2,6-Dinitrotoluene	15.07	165	58187	17.74	ng		84
49)	C550 Acenaphthene	15.40	153	250715	21.70	ng		95
50)	C545 3-Nitroaniline	14.40	138	75806	17.83	ng	#	51
51)	C555 2,4-Dinitrophenol	15.57	184	22201	10.82	ng	#	58
52)	C565 Dibenzofuran	15.73	168	374991	20.62	ng		97
53)	C570 2,4-Dinitrotoluene	15.87	165	88629	19.16	ng		82
54)	C560 4-Nitrophenol	15.78	109	23801	8.13	ng	#	87
55)	C590 Fluorene	16.38	166	291003	21.22	ng		98

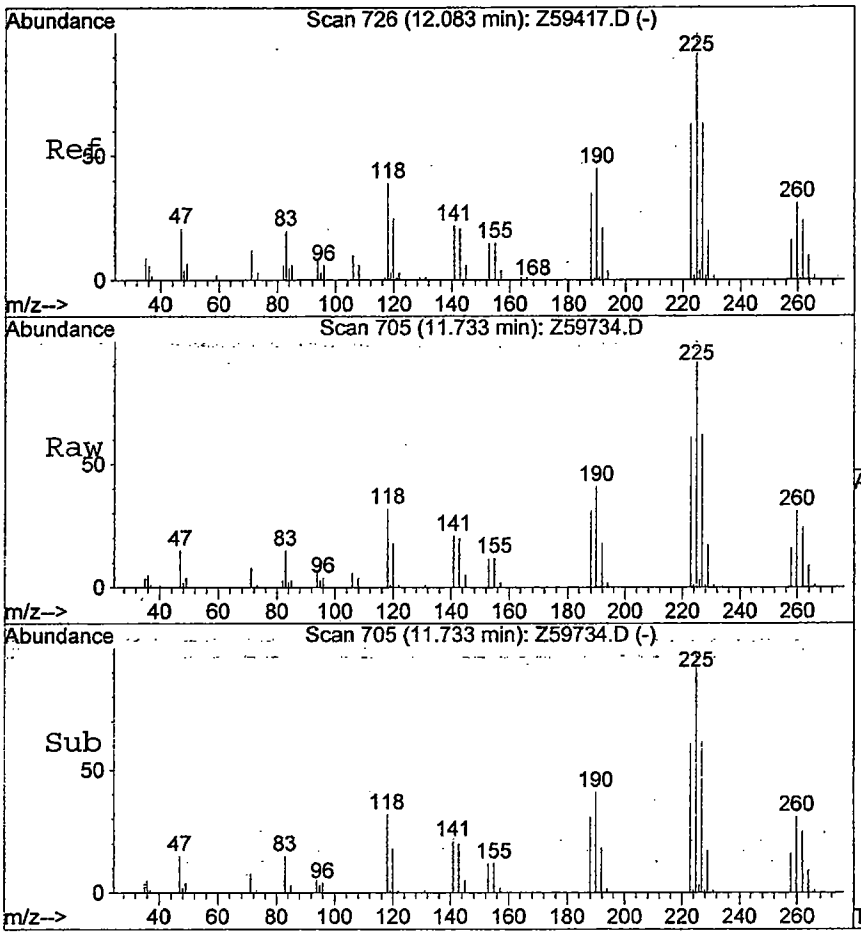
(#) = qualifier out of range (m) = manual integration

Data File : D:\ELINK\INSTR1\DATA\121303\Z59734.D Vial: 96
Acq On : 13 Dec 2003 10:52 Operator: PM
Sample : SSTD020 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Dec 15 06:42:32 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
56)	C585 4-Chlorophenyl-phenyl	16.43	204	161092	20.19	ng		97
57)	C580 Diethylphthalate	16.40	149	303143	18.51	ng		98
58)	C620 1,2 diphenylhydrazine	16.72	77	415646	19.30	ng		90
59)	C595 4-Nitroaniline	16.55	138	69410	18.65	ng		88
61)	C610 4,6-Dinitro-2-methylp	16.62	198	43328	14.14	ng		100
62)	C615 n-Nitrosodiphenylamin	16.67	169	224821	19.86	ng		95
64)	C625 4-Bromophenyl-phenyle	17.28	248	87873	16.90	ng	#	86
65)	C630 Hexachlorobenzene	17.48	284	114002	18.58	ng		91
66)	E510 Atrazine	17.67	200	65309	17.93	ng		95
67)	C635 Pentachlorophenol	17.80	266	41507	10.42	ng		97
68)	C640 Phenanthrene	18.02	178	433691	21.72	ng		98
69)	C645 Anthracene	18.08	178	440201	20.71	ng		99
70)	C647 carbazole	18.37	167	394143	20.03	ng		100
71)	C650 Di-n-butylphthalate	19.02	149	459282	18.03	ng		97
72)	C655 Fluoranthene	19.80	202	423716	20.00	ng		95
74)	C715 Pyrene	20.12	202	436740	23.38	ng		97
75)	C710 benzidine	20.02	184	158941	30.98	ng		99
77)	C720 Butylbenzylphthalate	21.17	149	192288	18.30	ng		94
78)	C725 3,3'-Dichlorobenzidin	21.97	252	110025	15.84	ng		97
79)	C730 Benzo[a]anthracene	21.95	228	376266	19.61	ng		98
80)	C735 Chrysene	22.03	228	429308	20.97	ng		98
81)	C740 bis(2-Ethylhexyl)phth	22.18	149	232156	15.82	ng		96
83)	C760 Di-n-octylphthalate	23.28	149	341535	18.18	ng		98
84)	C765 Benzo[b]fluoranthene	23.92	252	379957	21.81	ng		97
85)	C770 Benzo[k]fluoranthene	23.95	252	343977	21.01	ng		96
86)	C775 Benzo[a]pyrene	24.52	252	330705	20.09	ng		98
87)	C780 Indeno[1,2,3-cd]pyren	26.63	276	391996	18.24	ng		99
88)	C785 Dibenz[a,h]anthracene	26.67	278	384343	19.73	ng		97
89)	C790 Benzo[g,h,i]perylene	27.10	276	335919	18.14	ng		98

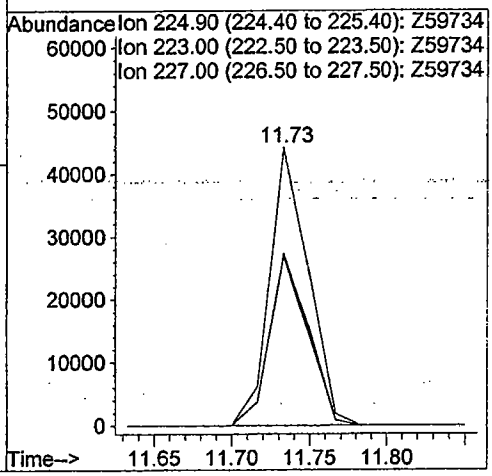
(#) = qualifier out of range (m) = manual integration



#34
C460 Hexachlorobutadiene
Concen: 15.64 ng
RT: 11.73 min Scan# 705
Delta R.T. 0.00 min
Lab File: Z59734.D
Acq: 13 Dec 2003 10:52

Tgt Ion:225 Resp: 76138

Ion	Ratio	Lower	Upper
225	100		
223	61.0	43.1	83.1
227	62.0	48.3	88.3



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\121303\Z59735.D Vial: 97
Acq On : 13 Dec 2003 11:26 Operator: PM
Sample : SSTD050 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 12 09:41:21 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\121303\Z59735.D (13 Dec 2003 11:26)

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.35	152	247701	40.00	ng		0.00 100.00%
22) CI40 Naphthalene-d8	11.22	136	940510	40.00	ng		0.00 100.00%
38) CI50 Acenaphthene-d8	15.33	164	511581	40.00	ng		0.00 100.00%
60) CI60 Phenanthrene-d10	17.98	188	867089	40.00	ng		0.00 100.00%
73) CI70 Chrysene-d12	22.00	240	844519	40.00	ng		0.00 100.00%
82) CI75 Perylene-d12	24.63	264	709131	40.00	ng		0.00 100.00%
System Monitoring Compounds							
3) CS50 2-Fluorophenol	5.82	112	364167	49.98	ng		0.00
Spiked Amount 150.000	Range 21 - 110		Recovery = 33.32%				
6) CS45 Phenol-d5	7.78	99	477902	48.59	ng		0.00
Spiked Amount 150.000	Range 10 - 110		Recovery = 32.39%				
7) CS70 2-chlorophenol-d4	7.95	132	388785	45.42	ng		0.00
Spiked Amount 150.000	Range 33 - 110		Recovery = 30.28%#				
13) CS75 1,2-dichlorobenzene-d	8.77	152	247036	45.43	ng		0.00
Spiked Amount 100.000	Range 16 - 110		Recovery = 45.43%				
23) CS20 Nitrobenzene-d5	9.65	82	426877	42.96	ng		0.00
Spiked Amount 100.000	Range 34 - 114		Recovery = 42.96%				
42) CS25 2-Fluorobiphenyl	13.85	172	734721	50.59	ng		0.00
Spiked Amount 100.000	Range 43 - 116		Recovery = 50.59%				
63) CS55 2,4,6-Tribromophenol	16.87	330	134240	38.34	ng		0.00
Spiked Amount 150.000	Range 10 - 123		Recovery = 25.56%				
76) CS30 Terphenyl-d14	20.38	244	773491	51.84	ng		0.00
Spiked Amount 100.000	Range 33 - 141		Recovery = 51.84%				
Target Compounds							Qvalue
2) C705 n-nitrosodidimethylam	3.40	74	270493	54.56	ng		87
4) E600 Benzaldehyde	7.45	77	192881	37.70	ng	#	87
5) C325 bis(2-Chloroethyl)eth	7.92	93	454561	49.17	ng	#	76
8) C315 Phenol	7.82	94	538310	48.22	ng		90
9) C330 2-Chlorophenol	7.98	128	398059	47.76	ng		88
10) C320 aniline	7.77	93	529814	50.52	ng	#	44

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

Data File : D:\ELINK\INSTR1\DATA\121303\Z59735.D Vial: 97
Acq On : 13 Dec 2003 11:26 Operator: PM
Sample : SSTD050 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 12 09:41:21 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	8.27	146	437323	47.71 ng		99
12)	C340 1,4-Dichlorobenzene	8.38	146	447576	48.04 ng		98
14)	C350 1,2-Dichlorobenzene	8.78	146	423924	47.16 ng		92
15)	C345 Benzyl alcohol	8.75	108	218120	44.35 ng	#	80
16)	C360 bis(2-chloroisopropyl	9.12	45	791990	49.93 ng		86
17)	C355 2-Methylphenol	9.10	108	340348	48.00 ng		94
18)	E145 Acetophenone	9.33	105	507186	44.68 ng		90
19)	C375 Hexachloroethane	9.47	117	186369	44.93 ng		97
20)	C370 N-Nitroso-di-n-propyl	9.43	70	317297	43.06 ng		83
21)	C365 4-Methylphenol	9.43	108	386547	49.27 ng		93
24)	C410 Nitrobenzene	9.70	77	447342	43.48 ng		94
25)	C415 Isophorone	10.25	82	848192	45.33 ng		93
26)	C430 benzoic acid	10.97	122	128965	28.60 ng		88
27)	C420 2-Nitrophenol	10.42	139	198573	45.65 ng		84
28)	C425 2,4-Dimethylphenol	10.62	107	342408	40.65 ng		93
29)	C435 bis(2-Chloroethoxy)me	10.82	93	527471	46.74 ng		96
30)	C440 2,4-Dichlorophenol	10.98	162	319515	44.04 ng		99
31)	C445 1,2,4-Trichlorobenzen	11.15	180	359218	44.19 ng		94
32)	C450 Naphthalene	11.27	128	1126200	48.80 ng		100
33)	C455 4-Chloroaniline	11.50	127	460136	47.31 ng		100
34)	C460 Hexachlorobutadiene	11.73	225	197654	38.62 ng		97
35)	E655 Caprolactam	12.27	113	102233m	48.17 ng	#	94
36)	C465 4-Chloro-3-methylphen	12.73	107	325519	39.92 ng		90
37)	C470 2-Methylnaphthalene	12.90	142	716863	45.77 ng		94
39)	C510 Hexachlorocyclopentad	13.45	237	178336	36.73 ng		96
40)	C515 2,4,6-Trichlorophenol	13.67	196	212906	45.14 ng		95
41)	C520 2,4,5-Trichlorophenol	13.75	196	232975	46.30 ng		93
43)	C525 2-Chloronaphthalene	14.02	162	666345	49.87 ng		98
44)	C811 1,1'-Biphenyl	14.03	154	809305	50.44 ng	#	96
45)	C530 2-Nitroaniline	14.40	65	221399	42.96 ng		87
46)	C540 Acenaphthylene	15.00	152	1064508	51.95 ng		99
47)	C535 Dimethylphthalate	14.97	163	762513	48.15 ng		99
48)	C542 2,6-Dinitrotoluene	15.08	165	172221	50.22 ng		95
49)	C550 Acenaphthene	15.40	153	620614	51.39 ng		95
50)	C545 3-Nitroaniline	14.40	138	221397	49.83 ng	#	47
51)	C555 2,4-Dinitrophenol	15.57	184	93368	43.54 ng	#	53
52)	C565 Dibenzofuran	15.73	168	968057	50.92 ng		97
53)	C570 2,4-Dinitrotoluene	15.88	165	242442	50.14 ng		96
54)	C560 4-Nitrophenol	15.80	109	84062	27.46 ng		93
55)	C590 Fluorene	16.40	166	754074	52.60 ng		98

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

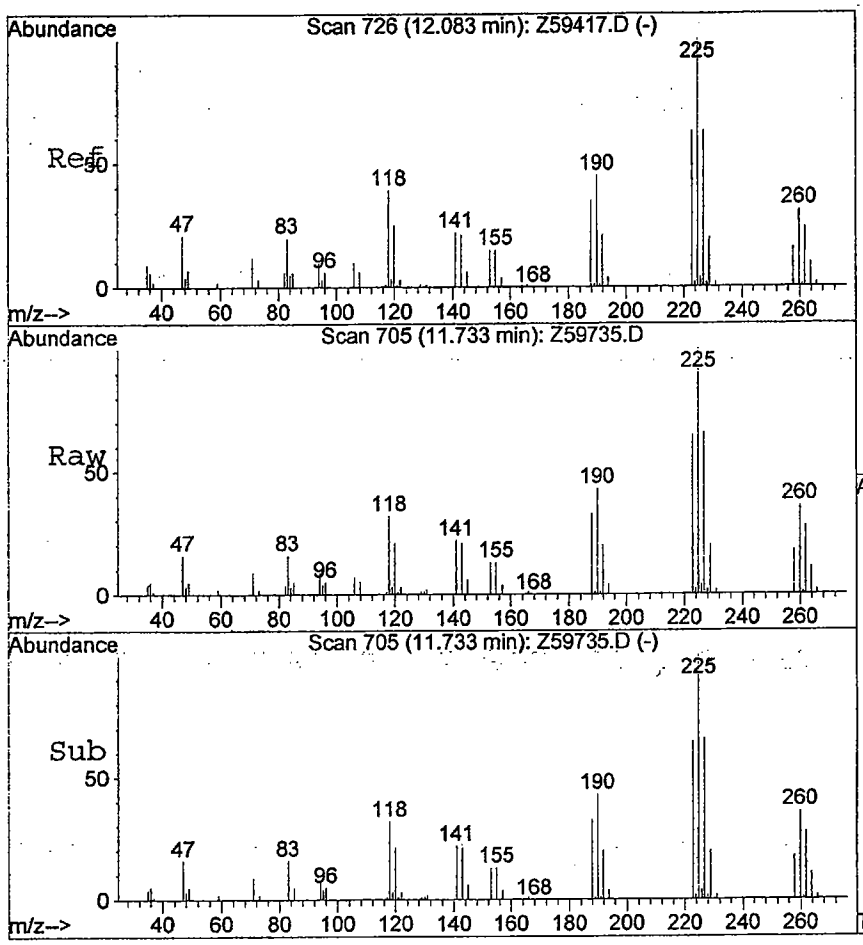
Data File : D:\ELINK\INSTR1\DATA\121303\Z59735.D
Acq On : 13 Dec 2003 11:26
Sample : SSTD050
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 15 6:50 2003

Vial: 97
Operator: PM
Inst : I50Z-A
Multiplr: 1.00
Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 12 09:41:21 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
56)	C585 4-Chlorophenyl-phenyl	16.43	204	403410	48.36 ng	96
57)	C580 Diethylphthalate	16.40	149	744639	43.49 ng	98
58)	C620 1,2 diphenylhydrazine	16.72	77	1058635	47.03 ng	90
59)	C595 4-Nitroaniline	16.57	138	208864	53.68 ng	86
61)	C610 4,6-Dinitro-2-methylp	16.63	198	149174	47.50 ng	100
62)	C615 n-Nitrosodiphenylamin	16.68	169	571327	49.23 ng	97
64)	C625 4-Bromophenyl-phenyle	17.28	248	237400	44.52 ng	91
65)	C630 Hexachlorobenzene	17.50	284	287781	45.75 ng	88
66)	E510 Atrazine	17.68	200	192754	51.60 ng	95
67)	C635 Pentachlorophenol	17.80	266	135810	33.25 ng	99
68)	C640 Phenanthrene	18.02	178	1055625	51.56 ng	98
69)	C645 Anthracene	18.08	178	1076945	49.41 ng	99
70)	C647 carbazole	18.37	167	950656	47.11 ng	99
71)	C650 Di-n-butylphthalate	19.03	149	1179941	45.18 ng	100
72)	C655 Fluoranthene	19.80	202	994896	45.79 ng	95
74)	C715 Pyrene	20.12	202	1022569	53.45 ng	96
75)	C710 benzidine	20.02	184	328250	62.46 ng	99
77)	C720 Butylbenzylphthalate	21.17	149	501128	46.56 ng	93
78)	C725 3,3'-Dichlorobenzidin	21.97	252	307673	43.23 ng	99
79)	C730 Benzo[a]anthracene	21.97	228	922015	46.92 ng	97
80)	C735 Chrysene	22.03	228	1045315	49.85 ng	98
81)	C740 bis(2-Ethylhexyl)phth	22.18	149	676843	45.03 ng	96
83)	C760 Di-n-octylphthalate	23.30	149	1046420	51.85 ng	98
84)	C765 Benzo[b]fluoranthene	23.92	252	890568	47.59 ng	99
85)	C770 Benzo[k]fluoranthene	23.97	252	978148	55.62 ng	98
86)	C775 Benzo[a]pyrene	24.52	252	897711	50.76 ng	98
87)	C780 Indeno[1,2,3-cd]pyren	26.65	276	1183112	51.25 ng	98
88)	C785 Dibenz[a,h]anthracene	26.68	278	1113183	53.20 ng	99
89)	C790 Benzo[g,h,i]perylene	27.12	276	1051263	52.87 ng	99

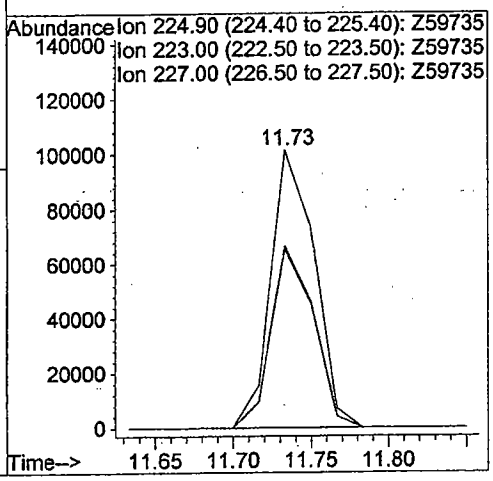
(#) = qualifier out of range (m) = manual integration



#34
C460 Hexachlorobutadiene
Concen: 38.62 ng
RT: 11.73 min Scan# 705
Delta R.T. 0.00 min
Lab File: Z59735.D
Acq: 13 Dec 2003 11:26

Tgt Ion:225 Resp: 197654

Ion	Ratio	Lower	Upper
225	100		
223	64.7	43.1	83.1
227	65.7	48.3	88.3



Data File : D:\ELINK\INSTR1\DATA\121303\Z59736.D Vial: 98
Acq On : 13 Dec 2003 12:01 Operator: PM
Sample : SSTD080 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 12 09:41:21 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\121303\Z59735.D (13 Dec 2003 11:26)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.35	152	256518	40.00	ng	0.00 / 103.56%
22) CI40 Naphthalene-d8	11.23	136	948782	40.00	ng	0.02 / 100.88%
38) CI50 Acenaphthene-d8	15.33	164	497634	40.00	ng	0.00 / 97.27%
60) CI60 Phenanthrene-d10	17.98	188	841024	40.00	ng	0.00 / 96.99%
73) CI70 Chrysene-d12	22.00	240	806552	40.00	ng	0.00 / 95.50%
82) CI75 Perylene-d12	24.63	264	778900	40.00	ng	0.00 / 109.84%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.83	112	632354	83.81	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 55.87%			
6) CS45 Phenol-d5	7.80	99	799823	78.52	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 52.35%			
7) CS70 2-chlorophenol-d4	7.95	132	646695	72.95	ng	0.00
Spiked Amount 150.000	Range 33 - 110		Recovery = 48.63%			
13) CS75 1,2-dichlorobenzene-d	8.77	152	402192	71.42	ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery = 71.42%			
23) CS20 Nitrobenzene-d5	9.67	82	712080	71.03	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 71.03%			
42) CS25 2-Fluorobiphenyl	13.85	172	1167649	82.65	ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery = 82.65%			
63) CS55 2,4,6-Tribromophenol	16.87	330	215058	63.33	ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery = 42.22%			
76) CS30 Terphenyl-d14	20.38	244	1137875	79.85	ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery = 79.85%			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.42	74	471328	91.80	ng	85
4) E600 Benzaldehyde	7.45	77	308846	58.29	ng	# 86
5) C325 bis(2-Chloroethyl)eth	7.93	93	755053	78.87	ng	# 80
8) C315 Phenol	7.82	94	864813	74.81	ng	91
9) C330 2-Chlorophenol	7.98	128	653231	75.68	ng	88
10) C320 aniline	7.77	93	815361	75.08	ng	95

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

Data File : D:\ELINK\INSTR1\DATA\121303\Z59736.D
Acq On : 13 Dec 2003 12:01
Sample : SSTD080
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003

Vial: 98
Operator: PM
Inst : I50Z-A
Multiplr: 1.00
Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 12 09:41:21 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	8.27	146	717513	75.59	ng		100
12)	C340 1,4-Dichlorobenzene	8.38	146	723627	74.99	ng		99
14)	C350 1,2-Dichlorobenzene	8.78	146	690167	74.14	ng		93
15)	C345 Benzyl alcohol	8.77	108	372347	73.10	ng	#	86
16)	C360 bis(2-chloroisopropyl	9.12	45	1268492	77.23	ng		70
17)	C355 2-Methylphenol	9.10	108	557609	75.93	ng		93
18)	E145 Acetophenone	9.33	105	824145	70.11	ng		90
19)	C375 Hexachloroethane	9.47	117	302689	70.46	ng		98
20)	C370 N-Nitroso-di-n-propyl	9.43	70	513403	67.28	ng		81
21)	C365 4-Methylphenol	9.43	108	602722	74.19	ng		95
24)	C410 Nitrobenzene	9.70	77	737195	71.04	ng		89
25)	C415 Isophorone	10.25	82	1378751	73.05	ng		90
26)	C430 benzoic acid	11.02	122	268972	59.13	ng		92
27)	C420 2-Nitrophenol	10.43	139	344576	78.52	ng		93
28)	C425 2,4-Dimethylphenol	10.63	107	548206	64.52	ng		96
29)	C435 bis(2-Chloroethoxy)me	10.83	93	867298	76.19	ng		96
30)	C440 2,4-Dichlorophenol	10.98	162	522286	71.36	ng		97
31)	C445 1,2,4-Trichlorobenzen	11.15	180	571577	69.70	ng		95
32)	C450 Naphthalene	11.27	128	1770293	76.03	ng		99
33)	C455 4-Chloroaniline	11.50	127	732512	74.66	ng		99
34)	C460 Hexachlorobutadiene	11.73	225	314006	60.82	ng		97
35)	E655 Caprolactam	12.30	113	180196m	84.16	ng	#	92
36)	C465 4-Chloro-3-methylphen	12.75	107	534880	65.02	ng		94
37)	C470 2-Methylnaphthalene	12.90	142	1106197	70.02	ng		95
39)	C510 Hexachlorocyclopentad	13.45	237	302855	64.13	ng		94
40)	C515 2,4,6-Trichlorophenol	13.67	196	349899	76.26	ng		94
41)	C520 2,4,5-Trichlorophenol	13.77	196	378772	77.39	ng		93
43)	C525 2-Chloronaphthalene	14.03	162	1050076	80.79	ng		92
44)	C811 1,1'-Biphenyl	14.05	154	1226505	78.59	ng	#	96
45)	C530 2-Nitroaniline	14.42	65	379783	75.75	ng		98
46)	C540 Acenaphthylene	15.00	152	1615756	81.06	ng		98
47)	C535 Dimethylphthalate	14.97	163	1170698	76.00	ng		99
48)	C542 2,6-Dinitrotoluene	15.08	165	284263	85.22	ng		86
49)	C550 Acenaphthene	15.40	153	932368	79.37	ng		96
50)	C545 3-Nitroaniline	14.40	138	377685	87.38	ng	#	44
51)	C555 2,4-Dinitrophenol	15.57	184	170499	81.73	ng	#	46
52)	C565 Dibenzofuran	15.73	168	1456293	78.76	ng		96
53)	C570 2,4-Dinitrotoluene	15.88	165	386633	82.21	ng		85
54)	C560 4-Nitrophenol	15.80	109	131036	44.01	ng	#	85
55)	C590 Fluorene	16.40	166	1118651	80.22	ng		99

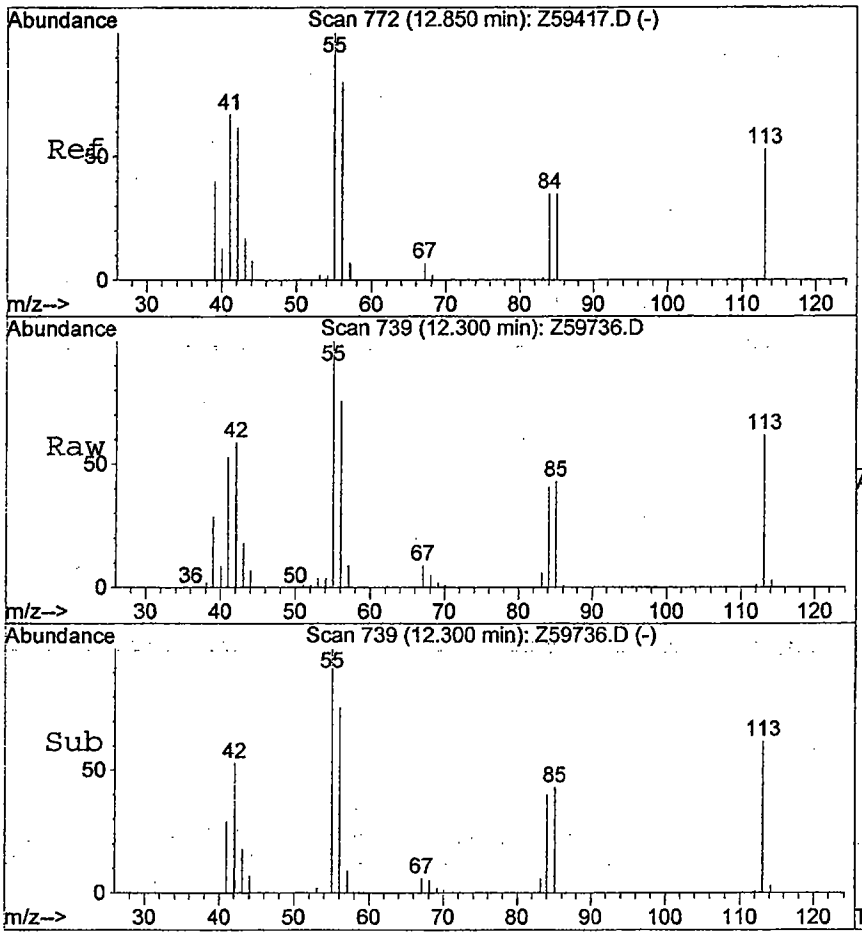
(#) = qualifier out of range (m) = manual integration

Data File : D:\ELINK\INSTR1\DATA\121303\Z59736.D Vial: 98
Acq On : 13 Dec 2003 12:01 Operator: PM
Sample : SSTD080 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Fri Dec 12 09:41:21 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	C585 4-Chlorophenyl-phenyl	16.45	204	626376	77.19	ng	92
57)	C580 Diethylphthalate	16.40	149	1135133	68.16	ng	98
58)	C620 1,2 diphenylhydrazine	16.73	77	1663629	75.98	ng	90
59)	C595 4-Nitroaniline	16.57	138	326989	86.40	ng	82
61)	C610 4,6-Dinitro-2-methylp	16.65	198	240028	78.79	ng	100
62)	C615 n-Nitrosodiphenylamin	16.68	169	852730	75.76	ng	96
64)	C625 4-Bromophenyl-phenyle	17.28	248	357396	69.11	ng	92
65)	C630 Hexachlorobenzene	17.50	284	431872	70.79	ng	88
66)	E510 Atrazine	17.68	200	243730	67.27	ng	96
67)	C635 Pentachlorophenol	17.82	266	231575	58.46	ng	99
68)	C640 Phenanthrene	18.02	178	1519465	76.51	ng	98
69)	C645 Anthracene	18.08	178	1567737	74.15	ng	99
70)	C647 carbazole	18.37	167	1460061	74.59	ng	99
71)	C650 Di-n-butylphthalate	19.03	149	1904901	75.20	ng	100
72)	C655 Fluoranthene	19.80	202	1544987	73.31	ng	93
74)	C715 Pyrene	20.12	202	1491701	81.65	ng	96
75)	C710 benzidine	20.02	184	315832	62.93	ng	98
77)	C720 Butylbenzylphthalate	21.17	149	762991	74.22	ng	89
78)	C725 3,3'-Dichlorobenzidin	21.97	252	480103	70.64	ng	98
79)	C730 Benzo[a]anthracene	21.97	228	1385552	73.83	ng	96
80)	C735 Chrysene	22.05	228	1577906	78.79	ng	97
81)	C740 bis(2-Ethylhexyl)phth	22.18	149	1070653	74.58	ng	99
83)	C760 Di-n-octylphthalate	23.30	149	1787712	80.65	ng	99
84)	C765 Benzo[b]fluoranthene	23.93	252	1702552	82.83	ng	96
85)	C770 Benzo[k]fluoranthene	23.98	252	1434174	74.25	ng	96
86)	C775 Benzo[a]pyrene	24.53	252	1611504	82.96	ng	98
87)	C780 Indeno[1,2,3-cd]pyren	26.67	276	2207887	87.07	ng	95
88)	C785 Dibenz[a,h]anthracene	26.70	278	2015734	87.70	ng	99
89)	C790 Benzo[g,h,i]perylene	27.15	276	2021415	92.55	ng	95

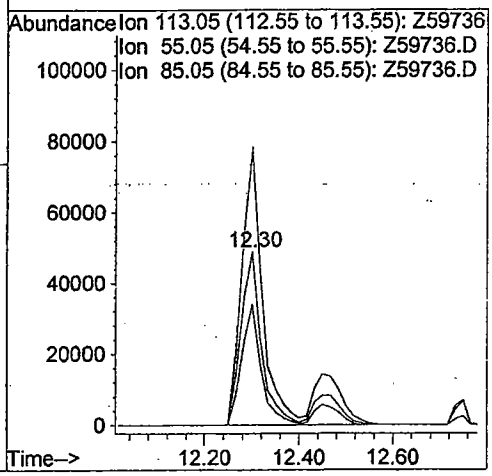
(#) = qualifier out of range (m) = manual integration



#35
E655 Caprolactam
Concen: 84.16 ng m
RT: 12.30 min Scan# 739
Delta R.T. 0.03 min
Lab File: Z59736.D
Acq: 13 Dec 2003 12:01

Tgt Ion:113 Resp: 180196

Ion	Ratio	Lower	Upper
113	100		
55	130.8	139.2	208.8#
85	53.6	48.6	73.0



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\121303\Z59737.D Vial: 99
Acq On : 13 Dec 2003 12:35 Operator: PM
Sample : SSTD120 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 13 10:43:36 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\121303\Z59735.D (13 Dec 2003 11:26)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.35	152	223200	40.00	ng	0.00 90.11%
22) CI40 Naphthalene-d8	11.23	136	836886	40.00	ng	0.00 88.98%
38) CI50 Acenaphthene-d8	15.33	164	447350	40.00	ng	0.00 87.44%
60) CI60 Phenanthrene-d10	17.98	188	757415	40.00	ng	0.00 87.35%
73) CI70 Chrysene-d12	22.00	240	722082	40.00	ng	0.00 85.50%
82) CI75 Perylene-d12	24.65	264	789388	40.00	ng	0.02 111.32%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.83	112	942418	135.99	ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery = 90.66%			
6) CS45 Phenol-d5	7.80	99	1161397	125.88	ng	0.00
Spiked Amount 150.000	Range 10 - 110		Recovery = 83.92%			
7) CS70 2-chlorophenol-d4	7.95	132	948378	123.23	ng	0.00
Spiked Amount 150.000	Range 33 - 110		Recovery = 82.15%			
13) CS75 1,2-dichlorobenzene-d	8.77	152	563890	116.62	ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery = 116.62%#			
23) CS20 Nitrobenzene-d5	9.67	82	1049387	124.49	ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery = 124.49%#			
42) CS25 2-Fluorobiphenyl	13.87	172	1639783	125.27	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 125.27%#			
63) CS55 2,4,6-Tribromophenol	16.87	330	318234	118.86	ng	0.00
Spiked Amount 150.000	Range 10 - 123		Recovery = 79.24%			
76) CS30 Terphenyl-d14	20.38	244	1532540	118.58	ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery = 118.58%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.42	74	694879	137.29	ng	84
4) E600 Benzaldehyde	7.45	77	391263	91.58	ng #	85
5) C325 bis(2-Chloroethyl)eth	7.93	93	1086371	125.47	ng #	77
8) C315 Phenol	7.83	94	1271075	123.52	ng	89
9) C330 2-Chlorophenol	7.98	128	957649	125.93	ng	86
10) C320 aniline	7.77	93	1151205	119.44	ng	98

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

Data File : D:\ELINK\INSTR1\DATA\121303\Z59737.D Vial: 99
Acq On : 13 Dec 2003 12:35 Operator: PM
Sample : SSTD120 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 13 10:43:36 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	8.27	146	1037709	124.40	ng		99
12)	C340 1,4-Dichlorobenzene	8.38	146	1032259	121.70	ng		99
14)	C350 1,2-Dichlorobenzene	8.80	146	969682	120.40	ng		94
15)	C345 Benzyl alcohol	8.77	108	546088	124.96	ng	#	82
16)	C360 bis(2-chloroisopropyl	9.13	45	1802966	122.17	ng		90
17)	C355 2-Methylphenol	9.12	108	819044	127.41	ng		92
18)	E145 Acetophenone	9.35	105	1193734	121.64	ng		90
19)	C375 Hexachloroethane	9.47	117	414096	116.20	ng		99
20)	C370 N-Nitroso-di-n-propyl	9.45	70	729084	114.89	ng		81
21)	C365 4-Methylphenol	9.45	108	878305	122.51	ng		93
24)	C410 Nitrobenzene	9.72	77	1065724	121.58	ng		93
25)	C415 Isophorone	10.27	82	2030591	125.70	ng		92
26)	C430 benzoic acid	11.07	122	447809	126.16	ng		91
27)	C420 2-Nitrophenol	10.43	139	513880	132.16	ng		88
28)	C425 2,4-Dimethylphenol	10.63	107	813074	120.38	ng		94
29)	C435 bis(2-Chloroethoxy)me	10.83	93	1241829	123.76	ng		95
30)	C440 2,4-Dichlorophenol	10.98	162	759025	122.58	ng		95
31)	C445 1,2,4-Trichlorobenzen	11.15	180	815279	117.51	ng		92
32)	C450 Naphthalene	11.28	128	2485171	121.13	ng		100
33)	C455 4-Chloroaniline	11.52	127	1070881	124.05	ng		100
34)	C460 Hexachlorobutadiene	11.75	225	459433	115.08	ng		97
35)	E655 Caprolactam	12.35	113	289770m	160.95	ng	#	89
36)	C465 4-Chloro-3-methylphen	12.75	107	809488	122.01	ng		87
37)	C470 2-Methylnaphthalene	12.90	142	1591178	118.94	ng		95
39)	C510 Hexachlorocyclopentad	13.45	237	459043	126.29	ng		95
40)	C515 2,4,6-Trichlorophenol	13.68	196	534122	131.77	ng		96
41)	C520 2,4,5-Trichlorophenol	13.77	196	564209	129.20	ng		94
43)	C525 2-Chloronaphthalene	14.03	162	1459562	122.21	ng		95
44)	C811 1,1'-Biphenyl	14.05	154	1724459	120.09	ng	#	95
45)	C530 2-Nitroaniline	14.42	65	556567	127.00	ng		86
46)	C540 Acenaphthylene	15.00	152	2285246	122.43	ng		97
47)	C535 Dimethylphthalate	14.98	163	1703413	124.61	ng		98
48)	C542 2,6-Dinitrotoluene	15.10	165	433587	135.17	ng		93
49)	C550 Acenaphthene	15.42	153	1370539	127.10	ng		96
50)	C545 3-Nitroaniline	14.42	138	564774	136.04	ng	#	47
51)	C555 2,4-Dinitrophenol	15.58	184	278928	145.03	ng	#	51
52)	C565 Dibenzofuran	15.75	168	2118166	125.33	ng		91
53)	C570 2,4-Dinitrotoluene	15.90	165	595693	133.22	ng		95
54)	C560 4-Nitrophenol	15.82	109	203292	102.80	ng	#	87
55)	C590 Fluorene	16.40	166	1528440	122.22	ng		99

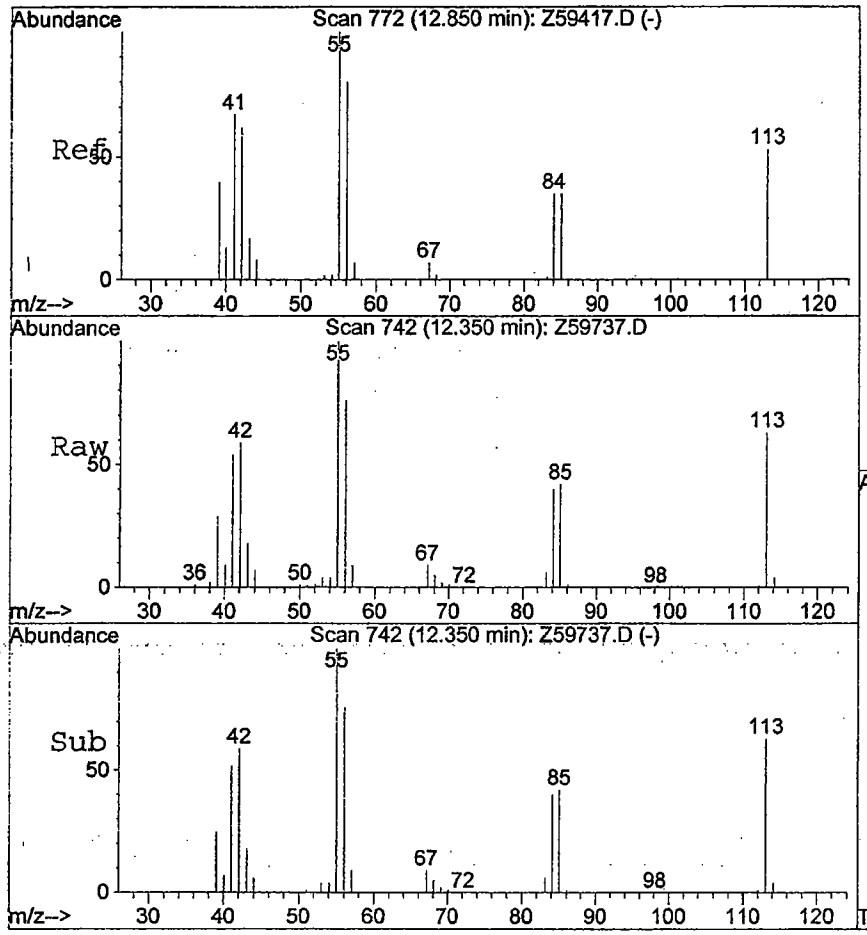
(#) = qualifier out of range (m) = manual integration

Data File : D:\ELINK\INSTR1\DATA\121303\Z59737.D Vial: 99
Acq On : 13 Dec 2003 12:35 Operator: PM
Sample : SSTD120 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 13 10:43:36 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
56)	C585 4-Chlorophenyl-phenyl	16.45	204	908046	125.11 ng	95
57)	C580 Diethylphthalate	16.42	149	1709485	122.54 ng	98
58)	C620 1,2 diphenylhydrazine	16.73	77	2317379	119.05 ng	87
59)	C595 4-Nitroaniline	16.58	138	503959	138.61 ng	82
61)	C610 4,6-Dinitro-2-methylp	16.65	198	373455	133.79 ng	100
62)	C615 n-Nitrosodiphenylamin	16.70	169	1294209	126.66 ng	97
64)	C625 4-Bromophenyl-phenyle	17.28	248	506614	115.47 ng	95
65)	C630 Hexachlorobenzene	17.50	284	601795	117.23 ng	95
66)	E510 Atrazine	17.68	200	327242	112.08 ng	94
67)	C635 Pentachlorophenol	17.82	266	364311	124.63 ng	98
68)	C640 Phenanthrene	18.02	178	2100742	117.42 ng	99
69)	C645 Anthracene	18.10	178	2334856	123.90 ng	98
70)	C647 carbazole	18.38	167	2184326	125.36 ng	98
71)	C650 Di-n-butylphthalate	19.03	149	2703987	127.06 ng	100
72)	C655 Fluoranthene	19.82	202	2255056	124.97 ng	94
74)	C715 Pyrene	20.13	202	2208104	130.93 ng	90
75)	C710 benzidine	20.03	184	478193	103.86 ng	99
77)	C720 Butylbenzylphthalate	21.18	149	1178557	131.54 ng	94
78)	C725 3,3'-Dichlorobenzidin	21.97	252	696779	123.40 ng	100
79)	C730 Benzo[a]anthracene	21.97	228	2066423	127.90 ng	97
80)	C735 Chrysene	22.05	228	2183972	121.94 ng	97
81)	C740 bis(2-Ethylhexyl)phth	22.18	149	1567283	126.47 ng	98
83)	C760 Di-n-octylphthalate	23.30	149	2663411	115.46 ng	100
84)	C765 Benzo[b]fluoranthene	23.93	252	2924790	136.72 ng	98
85)	C770 Benzo[k]fluoranthene	23.98	252	2010732	101.76 ng	98
86)	C775 Benzo[a]pyrene	24.55	252	2558706	125.19 ng	96
87)	C780 Indeno[1,2,3-cd]pyren	26.68	276	3448570	128.24 ng	92
88)	C785 Dibenz[a,h]anthracene	26.73	278	3021902	123.38 ng	96
89)	C790 Benzo[g,h,i]perylene	27.17	276	2987828	125.09 ng	97

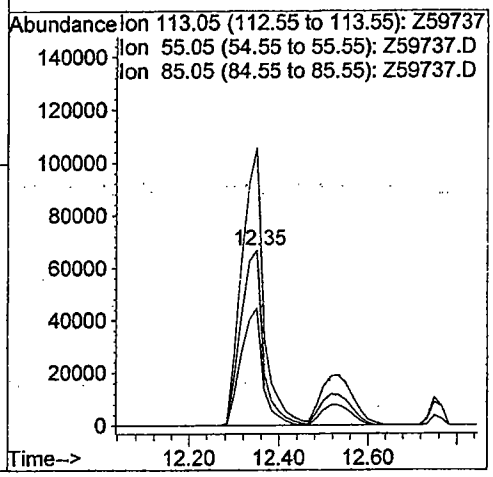
(#) = qualifier out of range (m) = manual integration



#35
E655 Caprolactam
Concen: 160.95 ng m
RT: 12.35 min Scan# 742
Delta R.T. 0.05 min
Lab File: Z59737.D
Acq: 13 Dec 2003 12:35

Tgt Ion:113 Resp: 289770

Ion	Ratio	Lower	Upper
113	100		
55	124.7	139.2	208.8#
85	52.1	48.6	73.0



Data File : D:\ELINK\INSTR1\DATA\121303\Z59738.D Vial: 100
Acq On : 13 Dec 2003 13:09 Operator: PM
Sample : SSTD160 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 13 10:43:36 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\121303\Z59735.D (13 Dec 2003 11:26)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.35	152	235605	40.00	ng	0.00 95.12%
22) CI40 Naphthalene-d8	11.23	136	899831	40.00	ng	0.00 95.67%
38) CI50 Acenaphthene-d8	15.33	164	469563	40.00	ng	0.00 91.79%
60) CI60 Phenanthrene-d10	17.98	188	777656	40.00	ng	0.00 89.69%
73) CI70 Chrysene-d12	22.00	240	811870	40.00	ng	0.00 96.13%
82) CI75 Perylene-d12	24.65	264	912983	40.00	ng	0.00 128.75%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.83	112	1302194	175.70	ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery = 117.13%#			
6) CS45 Phenol-d5	7.82	99	1592821	164.60	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 109.73%			
7) CS70 2-chlorophenol-d4	7.97	132	1292402	162.51	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 108.34%			
13) CS75 1,2-dichlorobenzene-d	8.77	152	748300	151.33	ng	0.00
Spiked Amount 100.000	Range 16 - 110		Recovery = 151.33%#			
23) CS20 Nitrobenzene-d5	9.67	82	1440312	163.52	ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery = 163.52%#			
42) CS25 2-Fluorobiphenyl	13.87	172	2129289	153.73	ng	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery = 153.73%#			
63) CS55 2,4,6-Tribromophenol	16.88	330	436285	166.07	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 110.71%			
76) CS30 Terphenyl-d14	20.38	244	2046067	141.23	ng	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery = 141.23%#			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.42	74	942014	171.65	ng	84
4) E600 Benzaldehyde	7.45	77	379930	92.10	ng	# 85
5) C325 bis(2-Chloroethyl)eth	7.95	93	1594284	174.71	ng	# 78
8) C315 Phenol	7.85	94	1738994	162.71	ng	97
9) C330 2-Chlorophenol	8.00	128	1306916	164.62	ng	90
10) C320 aniline	7.78	93	1144430	114.52	ng	# 31

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

Data File : D:\ELINK\INSTR1\DATA\121303\Z59738.D Vial: 100
Acq On : 13 Dec 2003 13:09 Operator: PM
Sample : SSTD160 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 13 10:43:36 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	8.28	146	1382714	158.31	ng		97
12)	C340 1,4-Dichlorobenzene	8.40	146	1413299	160.02	ng		99
14)	C350 1,2-Dichlorobenzene	8.80	146	1286893	154.12	ng		93
15)	C345 Benzyl alcohol	8.78	108	750383	167.41	ng	#	84
16)	C360 bis(2-chloroisopropyl	9.13	45	2424941	157.05	ng		71
17)	C355 2-Methylphenol	9.12	108	1115068	165.48	ng		92
18)	E145 Acetophenone	9.35	105	1639096	161.60	ng		89
19)	C375 Hexachloroethane	9.47	117	521949	143.52	ng		88
20)	C370 N-Nitroso-di-n-propyl	9.47	70	970164	151.33	ng	#	80
21)	C365 4-Methylphenol	9.47	108	1152002	155.06	ng		95
24)	C410 Nitrobenzene	9.72	77	1426364	155.04	ng		87
25)	C415 Isophorone	10.27	82	2776866	162.55	ng		89
26)	C430 benzoic acid	11.12	122	672303	189.42	ng		90
27)	C420 2-Nitrophenol	10.43	139	716228	173.59	ng		84
28)	C425 2,4-Dimethylphenol	10.65	107	1125726	160.86	ng		97
29)	C435 bis(2-Chloroethoxy)me	10.85	93	1691386	158.85	ng		95
30)	C440 2,4-Dichlorophenol	11.00	162	1028195	158.95	ng		97
31)	C445 1,2,4-Trichlorobenzen	11.15	180	1114174	154.32	ng		95
32)	C450 Naphthalene	11.28	128	3304882	151.24	ng		99
33)	C455 4-Chloroaniline	11.52	127	1453962	159.82	ng		100
34)	C460 Hexachlorobutadiene	11.75	225	622326	152.77	ng		96
35)	E655 Caprolactam	12.38	113	403461m	221.91	ng	#	89
36)	C465 4-Chloro-3-methylphen	12.77	107	1097623	161.38	ng		90
37)	C470 2-Methylnaphthalene	12.90	142	2135011	152.94	ng		95
39)	C510 Hexachlorocyclopentad	13.45	237	620098	171.20	ng		94
40)	C515 2,4,6-Trichlorophenol	13.68	196	705890	166.70	ng		94
41)	C520 2,4,5-Trichlorophenol	13.78	196	785513	172.11	ng		94
43)	C525 2-Chloronaphthalene	14.03	162	1894870	151.72	ng		95
44)	C811 1,1'-Biphenyl	14.05	154	2241907	150.17	ng	#	95
45)	C530 2-Nitroaniline	14.43	65	794558	175.10	ng		90
46)	C540 Acenaphthylene	15.00	152	3025114	154.30	ng		97
47)	C535 Dimethylphthalate	14.98	163	2224202	153.89	ng		98
48)	C542 2,6-Dinitrotoluene	15.10	165	584047	172.46	ng		85
49)	C550 Acenaphthene	15.42	153	1732419	151.11	ng		95
50)	C545 3-Nitroaniline	14.43	138	823108	187.09	ng	#	49
51)	C555 2,4-Dinitrophenol	15.60	184	402827	204.29	ng	#	59
52)	C565 Dibenzofuran	15.75	168	2766491	154.45	ng		90
53)	C570 2,4-Dinitrotoluene	15.90	165	751973	158.04	ng		84
54)	C560 4-Nitrophenol	15.83	109	288208	161.10	ng	#	90
55)	C590 Fluorene	16.40	166	2018981	152.33	ng		98

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

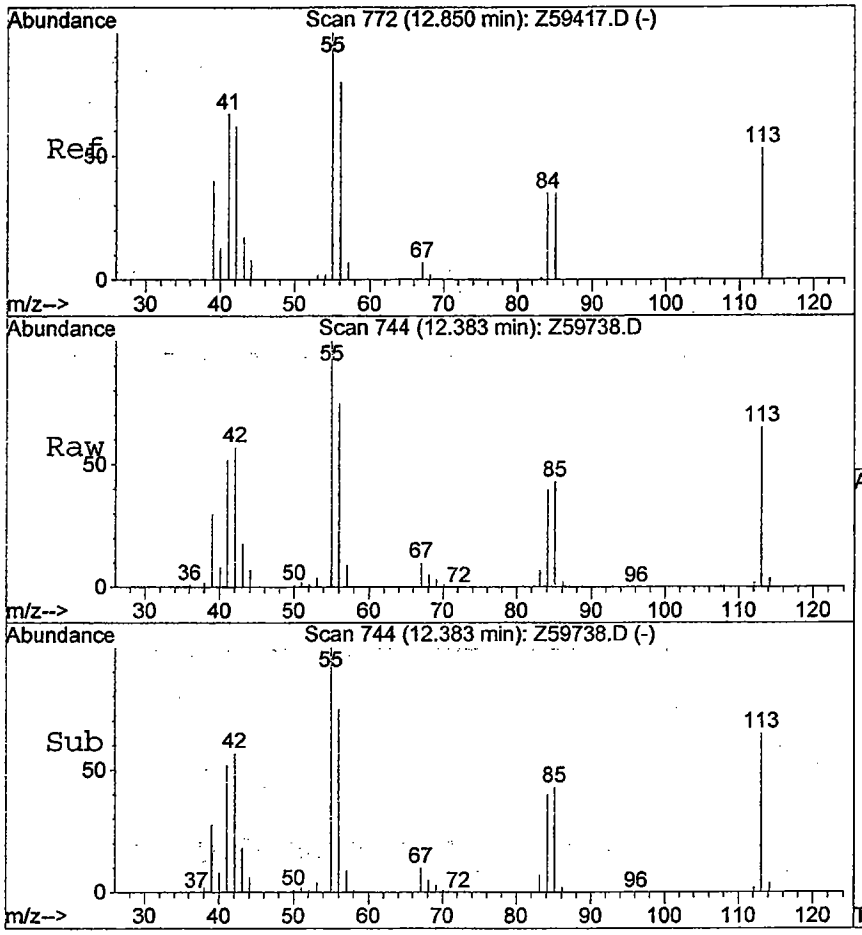
Data File : D:\ELINK\INSTR1\DATA\121303\Z59738.D
Acq On : 13 Dec 2003 13:09
Sample : SSTD160
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 15 6:51 2003

Vial: 100
Operator: PM
Inst : I50Z-A
Multiplr: 1.00
Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Sat Dec 13 10:43:36 2003
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	C585 4-Chlorophenyl-phenyl	16.45	204	1153688	150.73	ng	97
57)	C580 Diethylphthalate	16.42	149	2108221	146.85	ng	98
58)	C620 1,2 diphenylhydrazine	16.73	77	3041505	151.61	ng	88
59)	C595 4-Nitroaniline	16.60	138	693384	176.79	ng	84
61)	C610 4,6-Dinitro-2-methylp	16.67	198	515144	184.81	ng	100
62)	C615 n-Nitrosodiphenylamin	16.70	169	1542352	146.76	ng	97
64)	C625 4-Bromophenyl-phenyle	17.28	248	686095	158.71	ng	97
65)	C630 Hexachlorobenzene	17.50	284	789614	153.21	ng	96
66)	E510 Atrazine	17.68	200	261139	90.75	ng	93
67)	C635 Pentachlorophenol	17.82	266	484955	173.62	ng	98
68)	C640 Phenanthrene	18.03	178	2977885	162.31	ng	97
69)	C645 Anthracene	18.10	178	2853050	146.33	ng	98
70)	C647 carbazole	18.38	167	2725927	154.39	ng	98
71)	C650 Di-n-butylphthalate	19.03	149	3281661	148.90	ng	99
72)	C655 Fluoranthene	19.82	202	2837917	153.38	ng	98
74)	C715 Pyrene	20.13	202	2856531	146.96	ng	96
75)	C710 benzidine	20.03	184	463490	91.78	ng	99
77)	C720 Butylbenzylphthalate	21.18	149	1664298	166.43	ng	97
78)	C725 3,3'-Dichlorobenzidin	21.98	252	964450	156.69	ng	97
79)	C730 Benzo[a]anthracene	21.98	228	2774068	153.88	ng	96
80)	C735 Chrysene	22.07	228	3241294	162.57	ng	96
81)	C740 bis(2-Ethylhexyl)phth	22.18	149	2228419	163.29	ng	98
83)	C760 Di-n-octylphthalate	23.30	149	3921270	151.50	ng	100
84)	C765 Benzo[b]fluoranthene	23.95	252	4612529m	181.29	ng	97
85)	C770 Benzo[k]fluoranthene	24.00	252	2789004m	128.17	ng	97
86)	C775 Benzo[a]pyrene	24.57	252	3757971	160.42	ng	96
87)	C780 Indeno[1,2,3-cd]pyren	26.70	276	4985162	160.83	ng	89
88)	C785 Dibenz[a,h]anthracene	26.75	278	4047059	144.10	ng	97
89)	C790 Benzo[g,h,i]perylene	27.20	276	4586427	167.64	ng	94

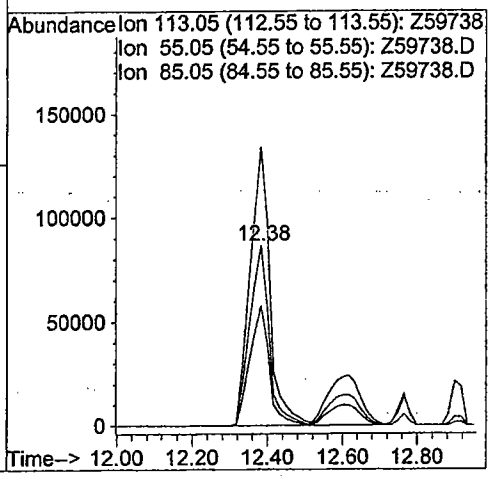
(#) = qualifier out of range (m) = manual integration

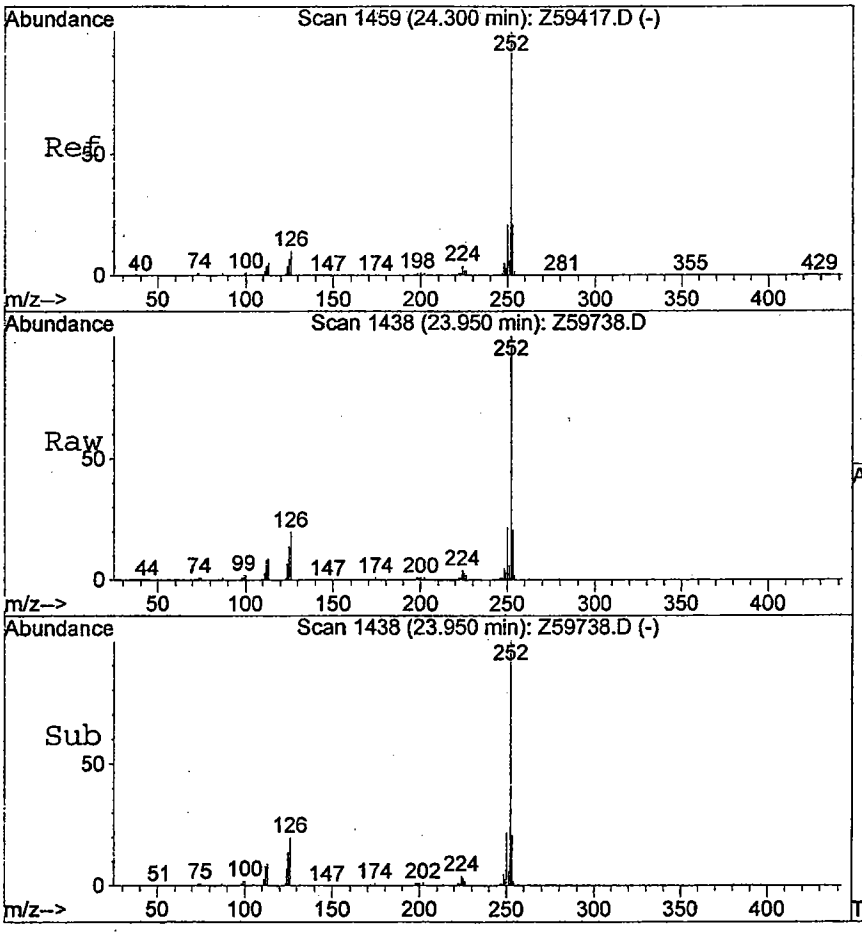


#35
E655 Caprolactam
Concen: 221.91 ng m
RT: 12.38 min Scan# 744
Delta R.T. 0.03 min
Lab File: Z59738.D
Acq: 13 Dec 2003 13:09

Tgt Ion:113 Resp: 403461

Ion	Ratio	Lower	Upper
113	100		
55	122.7	139.2	208.8#
85	51.5	48.6	73.0

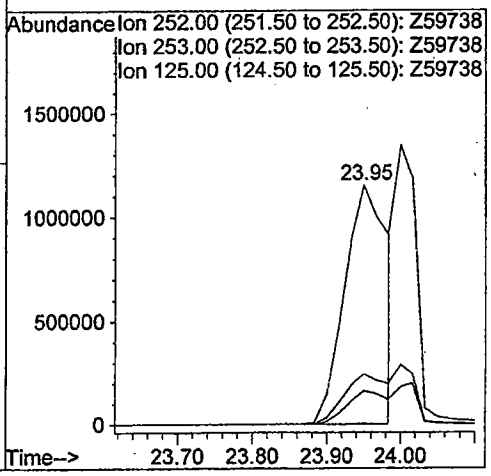


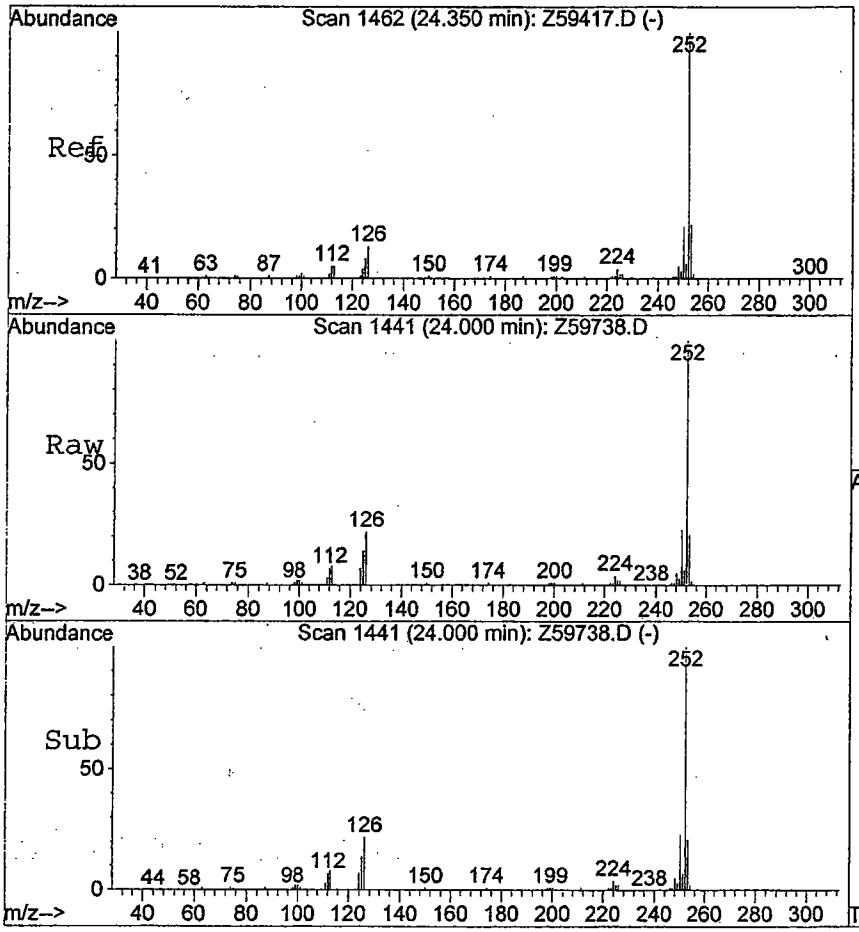


#84
C765 Benzo[b]fluoranthene
Concen: 181.29 ng m
RT: 23.95 min Scan# 1438
Delta R.T. 0.02 min
Lab File: Z59738.D
Acq: 13 Dec 2003 13:09

Tgt Ion:252 Resp: 4612529

Ion	Ratio	Lower	Upper
252	100		
253	21.4	1.8	41.8
125	14.0	0.0	30.6

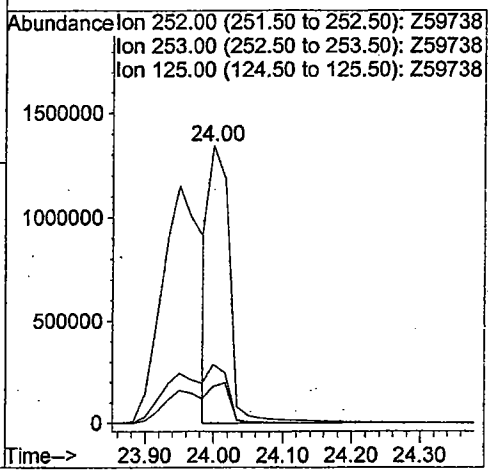




#85
C770 Benzo[k]fluoranthene
Concen: 128.17 ng m
RT: 24.00 min Scan# 1441
Delta R.T. 0.02 min
Lab File: Z59738.D
Acq: 13 Dec 2003 13:09

Tgt Ion:252 Resp: 2789004

Ion	Ratio	Lower	Upper
252	100		
253	21.5	2.4	42.4
125	13.6	0.0	31.9



SEMIVOLATILE 3/90 AND ASP '91
CONTINUING CALIBRATION CHECK

ab Name: STL Buffalo Contract: _____ Lab Samp ID: A4C0000337-1

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

ab File Id: Z59872.RR Calibration Date: 02/02/2004 Time: 11:03

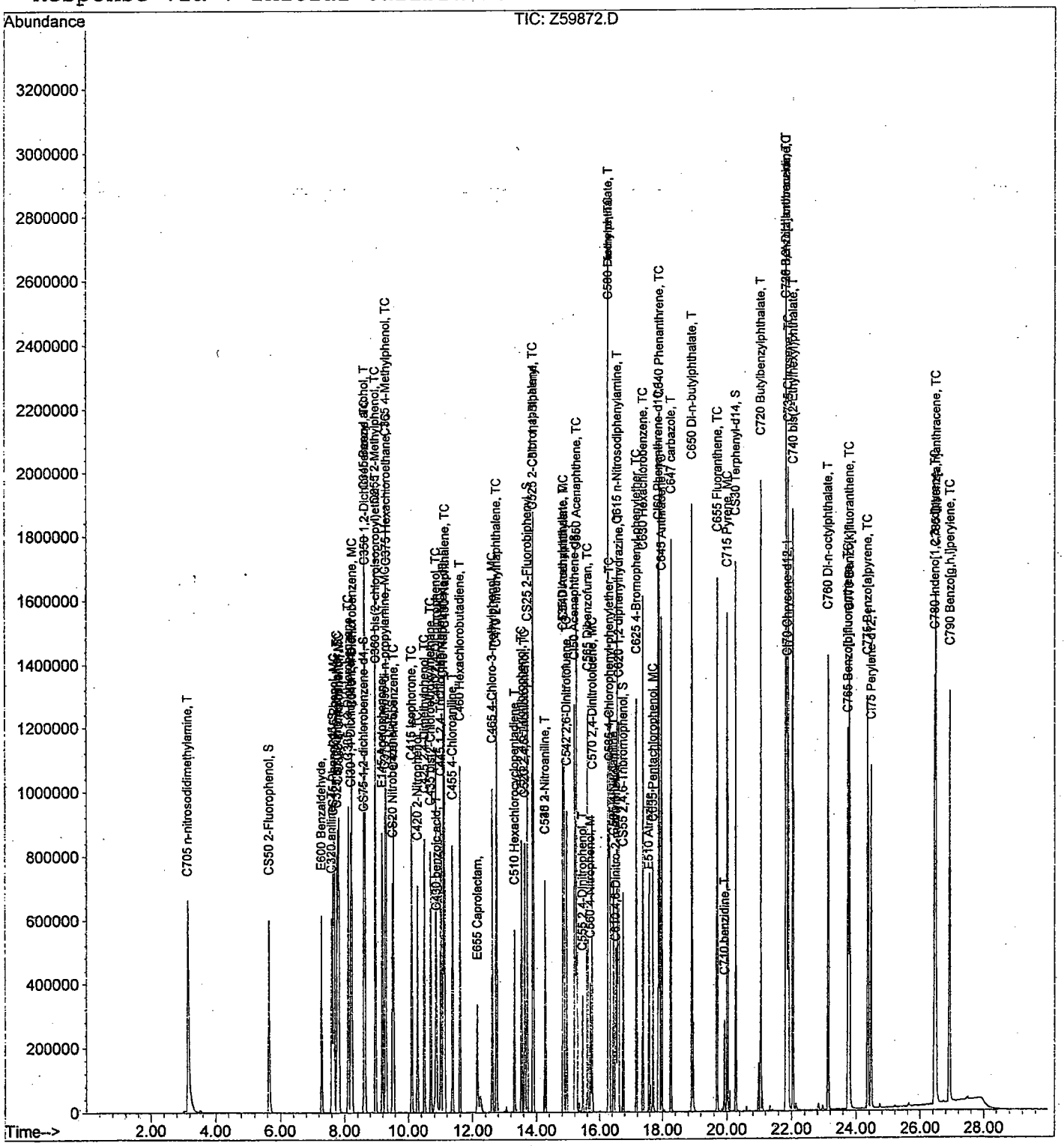
ntrument ID: I50Z-A Init. Calib. Date(s): 12/13/2003 12/13/2003

Init. Calib. Times: 10:52 13:09

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Phenol	1.7840	1.6498	0.8000	7.500	25.00
4-Methylphenol	1.2340	1.2096	0.6000	2.000	25.00
Naphthalene	0.9580	0.9904	0.7000	-3.400	25.00
Nitrobenzene-D5	0.3810	0.3788	0.2000	0.600	25.00
2-Fluorobiphenyl	1.1730	1.1395	0.7000	2.800	25.00
p-Terphenyl-d14	0.7050	0.7054	0.5000	-0.100	25.00
Phenol-D5	1.6250	1.5340	0.8000	5.600	25.00
2-Fluorophenol	1.2710	1.2124	0.6000	4.600	25.00
2,4,6-Tribromophenol	0.1290	0.1285	0.0100	0.400	100.00
2-Chlorophenol-d4	1.3160	1.3006	0.8000	1.200	25.00
1,2-Dichlorobenzene-d4	0.8100	0.8101	0.4000	0.000	25.00

Data File : D:\ELINK\INSTR1\DATA\020204\Z59872.D Vial: 2
Acq On : 2 Feb 2004 11:03 Operator: PM
Sample : SSTD050 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 2 11:39 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Jan 20 10:34:25 2004
Response via : Initial Calibration



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59872.D Vial: 2
Acq On : 2 Feb 2004 11:03 Operator: PM
Sample : SSTD050 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 2 11:39 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Jan 12 10:58:10 2004
Response via : Initial Calibration
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\012004\Z59856.D (22 Jan 2004 11:15)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.20	152	262047	40.00	ng	-0.05 / 87.49%
22) CI40 Naphthalene-d8	11.08	136	974541	40.00	ng	-0.05 / 89.00%
38) CI50 Acenaphthene-d8	15.20	164	544301	40.00	ng	-0.05 / 92.53%
60) CI60 Phenanthrene-d10	17.87	188	951902	40.00	ng	-0.05 / 96.61%
73) CI70 Chrysene-d12	21.87	240	955637	40.00	ng	-0.05 / 99.54%
82) CI75 Perylene-d12	24.47	264	887882	40.00	ng	-0.05 / 108.66%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.65	112	397134	47.71	ng	-0.07
Spiked Amount 150.000	Range 21 - 110		Recovery = 31.81%			
6) CS45 Phenol-d5	7.65	99	502479	47.21	ng	-0.07
Spiked Amount 150.000	Range 10 - 110		Recovery = 31.47%			
7) CS70 2-chlorophenol-d4	7.80	132	426014	49.40	ng	-0.07
Spiked Amount 150.000	Range 33 - 110		Recovery = 32.93%#			
13) CS75 1,2-dichlorobenzene-d	8.60	152	265359	50.04	ng	-0.07
Spiked Amount 100.000	Range 16 - 110		Recovery = 50.04%			
23) CS20 Nitrobenzene-d5	9.52	82	461498	49.69	ng	-0.05
Spiked Amount 100.000	Range 34 - 114		Recovery = 49.69%			
42) CS25 2-Fluorobiphenyl	13.72	172	775262	48.59	ng	-0.05
Spiked Amount 100.000	Range 43 - 116		Recovery = 48.59%			
63) CS55 2,4,6-Tribromophenol	16.75	330	152895	49.85	ng	-0.05
Spiked Amount 150.000	Range 10 - 123		Recovery = 33.23%			
76) CS30 Terphenyl-d14	20.27	244	842661	50.00	ng	-0.05
Spiked Amount 100.000	Range 33 - 141		Recovery = 50.00%			
Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	3.13	74	310984	50.21	ng	93
4) E600 Benzaldehyde	7.28	77	245524	59.93	ng	# 86
5) C325 bis(2-Chloroethyl)eth	7.77	93	496593	48.83	ng	# 76
8) C315 Phenol	7.68	94	540393	46.24	ng	91
9) C330 2-Chlorophenol	7.83	128	439740	50.32	ng	89
10) C320 aniline	7.60	93	510963	48.75	ng	99

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59872.D Vial: 2
Acq On : 2 Feb 2004 11:03 Operator: PM
Sample : SSTD050 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 2 11:39 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Jan 12 10:58:10 2004
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	8.12	146	482918	50.46 ng		97
12)	C340 1,4-Dichlorobenzene	8.23	146	496097	51.19 ng		99
14)	C350 1,2-Dichlorobenzene	8.63	146	464024	51.00 ng		95
15)	C345 Benzyl alcohol	8.62	108	234423	48.46 ng	#	84
16)	C360 bis(2-chloroisopropyl	8.98	45	822959	48.61 ng		67
17)	C355 2-Methylphenol	8.97	108	355289	47.84 ng		91
18)	E145 Acetophenone	9.18	105	534088	48.62 ng		90
19)	C375 Hexachloroethane	9.32	117	209491	53.90 ng		99
20)	C370 N-Nitroso-di-n-propyl	9.28	70	344902	51.02 ng	#	79
21)	C365 4-Methylphenol	9.30	108	396221	48.99 ng		93
24)	C410 Nitrobenzene	9.55	77	478716	49.98 ng		89
25)	C415 Isophorone	10.10	82	913354	50.33 ng		89
26)	C430 benzoic acid	10.87	122	147658	45.51 ng		87
27)	C420 2-Nitrophenol	10.28	139	216278	49.05 ng		87
28)	C425 2,4-Dimethylphenol	10.50	107	333161	45.77 ng		96
29)	C435 bis(2-Chloroethoxy)me	10.68	93	566404	50.15 ng		97
30)	C440 2,4-Dichlorophenol	10.85	162	342950	50.65 ng		97
31)	C445 1,2,4-Trichlorobenzen	11.00	180	402135	53.25 ng		95
32)	C450 Naphthalene	11.13	128	1206464	51.69 ng		99
33)	C455 4-Chloroaniline	11.37	127	479086	49.42 ng		99
34)	C460 Hexachlorobutadiene	11.60	225	226393	54.04 ng		96
35)	E655 Caprolactam	12.15	113	95014	41.50 ng		89
36)	C465 4-Chloro-3-methylphen	12.62	107	363290	51.59 ng		88
37)	C470 2-Methylnaphthalene	12.75	142	755496	51.09 ng		96
39)	C510 Hexachlorocyclopentad	13.32	237	170086	42.49 ng		96
40)	C515 2,4,6-Trichlorophenol	13.53	196	229852	47.88 ng		95
41)	C520 2,4,5-Trichlorophenol	13.63	196	250284	47.79 ng		96
43)	C525 2-Chloronaphthalene	13.88	162	721484	50.13 ng		97
44)	C811 1,1'-Biphenyl	13.90	154	873824	50.98 ng	#	96
45)	C530 2-Nitroaniline	14.27	65	247350	48.62 ng	#	84
46)	C540 Acenaphthylene	14.85	152	1155232	51.27 ng		98
47)	C535 Dimethylphthalate	14.83	163	856355	52.20 ng		99
48)	C542 2,6-Dinitrotoluene	14.95	165	193200	49.76 ng		90
49)	C550 Acenaphthene	15.27	153	682661	51.45 ng		95
50)	C545 3-Nitroaniline	14.27	138	247012	47.91 ng	#	45
51)	C555 2,4-Dinitrophenol	15.45	184	91260	40.38 ng	#	51
52)	C565 Dibenzofuran	15.62	168	1033155	50.21 ng		90
53)	C570 2,4-Dinitrotoluene	15.77	165	280987	52.30 ng		98
54)	C560 4-Nitrophenol	15.70	109	80091	44.23 ng	#	85
55)	C590 Fluorene	16.28	166	827722	53.30 ng		99

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59872.D Vial: 2
Acq On : 2 Feb 2004 11:03 Operator: PM
Sample : SSTD050 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 2 11:39 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Mon Jan 12 10:58:10 2004
Response via : Initial Calibration
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
56)	C585 4-Chlorophenyl-phenyl	16.32	204	443563	50.78	ng	96
57)	C580 Diethylphthalate	16.28	149	857809	53.06	ng	96
58)	C620 1,2 diphenylhydrazine	16.62	77	1165555	51.16	ng	90
59)	C595 4-Nitroaniline	16.45	138	208640	45.54	ng	84
61)	C610 4,6-Dinitro-2-methylp	16.52	198	158861	46.83	ng	100
62)	C615 n-Nitrosodiphenylamin	16.57	169	643884	51.42	ng	97
64)	C625 4-Bromophenyl-phenyle	17.17	248	271047	52.59	ng	97
65)	C630 Hexachlorobenzene	17.38	284	331256	53.11	ng	91
66)	E510 Atrazine	17.57	200	166757	49.69	ng	98
67)	C635 Pentachlorophenol	17.70	266	153561	47.63	ng	97
68)	C640 Phenanthrene	17.90	178	1126778	49.48	ng	98
69)	C645 Anthracene	17.97	178	1139275	48.74	ng	98
70)	C647 carbazole	18.27	167	1141160	53.11	ng	99
71)	C650 Di-n-butylphthalate	18.92	149	1406379	53.22	ng	99
72)	C655 Fluoranthene	19.70	202	1231042	54.53	ng	95
74)	C715 Pyrene	20.00	202	1204988	51.98	ng	88
75)	C710 benzidine	19.92	184	172786	28.80	ng	99
77)	C720 Butylbenzylphthalate	21.05	149	637995	54.04	ng	95
78)	C725 3,3'-Dichlorobenzidin	21.83	252	406998	57.76	ng	97
79)	C730 Benzo[a]anthracene	21.83	228	1138448	53.50	ng	96
80)	C735 Chrysene	21.90	228	1202129	50.16	ng	97
81)	C740 bis(2-Ethylhexyl)phth	22.05	149	907528	57.95	ng	95
83)	C760 Di-n-octylphthalate	23.13	149	1446933	58.61	ng	100
84)	C765 Benzo[b]fluoranthene	23.75	252	1307883	51.27	ng	99
85)	C770 Benzo[k]fluoranthene	23.80	252	1056686	50.87	ng	98
86)	C775 Benzo[a]pyrene	24.35	252	1137437	49.67	ng	97
87)	C780 Indeno[1,2,3-cd]pyren	26.47	276	1503539	50.09	ng	95
88)	C785 Dibenz[a,h]anthracene	26.50	278	1391836	51.41	ng	100
89)	C790 Benzo[g,h,i]perylene	26.93	276	1282543	48.00	ng	98

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

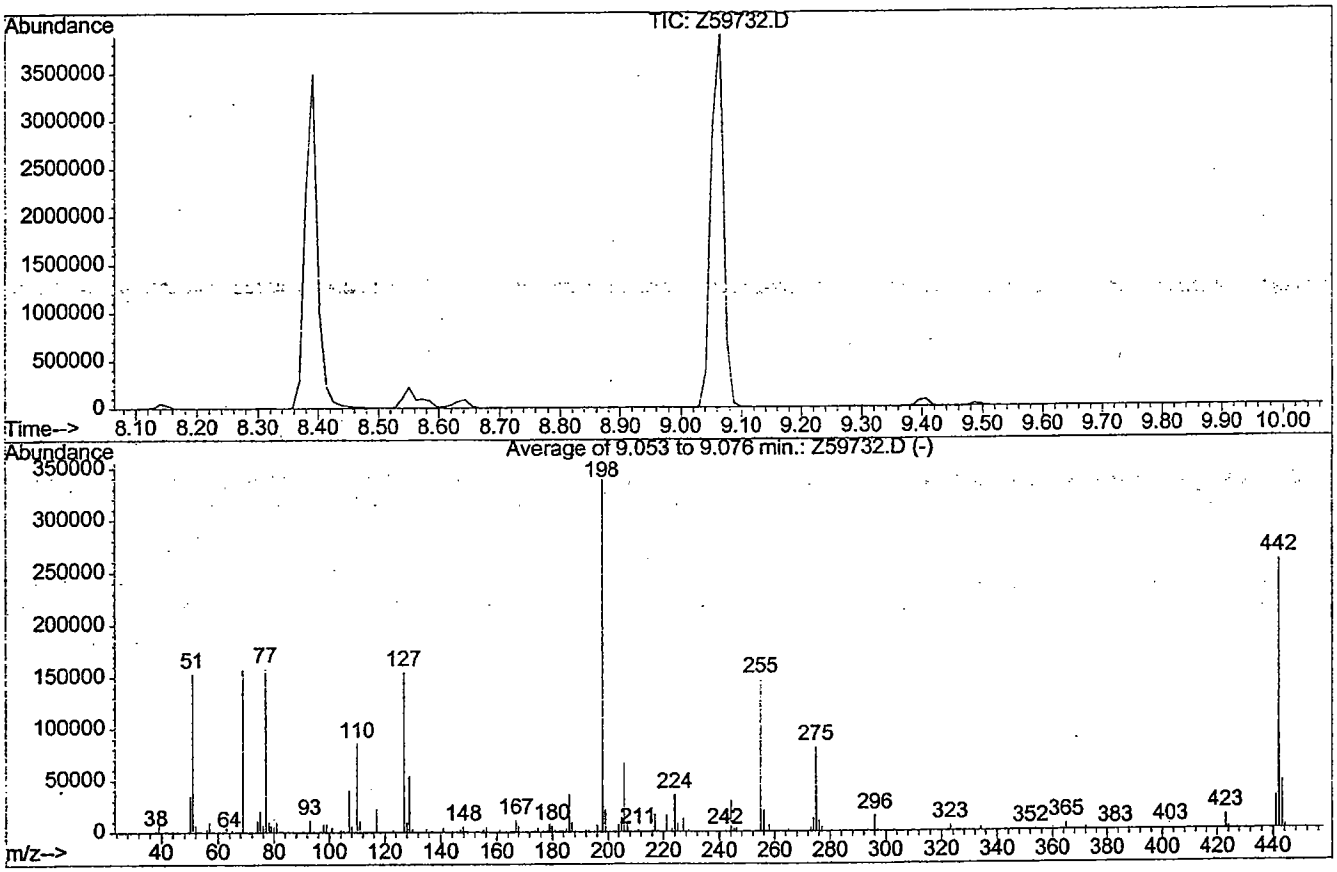
RAW QC DATA

DFTPP Tune Evaluation

375401

Data File : D:\ELINK\INSTR1\DATA\121303\Z59732.D
Acq On : 13 Dec 2003 09:57
Sample : DFTPP 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration

Vial: 1
Operator: PM
Inst : I50Z-A
Multiplr: 1.00



Peak Apex is scan: 685 (9.06 min)
Average of 3 scans: 684,685,686 minus background scan 665 (8.84 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	60	45.4	153653	PASS
68	69	0	2	1.0	1510	PASS
69	198	0	100	46.4	157299	PASS
70	69	0	2	0.1	153	PASS
127	198	40	60	45.8	155085	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	338779	PASS
199	198	5	9	6.3	21203	PASS
275	198	10	30	23.9	80972	PASS
365	198	1	100	1.9	6562	PASS
441	198	0	100	9.3	31630	PASS
442	198	40	110	76.4	258784	PASS
443	442	17	23	17.8	46036	PASS

Z59732.D CLP.M Sat Dec 13 10:12:52 2003

verage of 9.053 to 9.076 min.: Z59732.D
FTPP 50NG
odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	12599	76.00	7452	98.95	8192	128.05	10187
50.00	35203	77.00	158579	100.95	4856	128.95	54920
50.95	153653	78.10	10290	104.00	1986	130.00	3599
52.00	6881	79.00	6949	105.00	2037	135.00	3648
56.00	3271	80.00	5649	107.00	40589	141.00	4927
56.95	9965	80.95	9141	108.05	5702	147.00	2334
63.00	4500	82.00	1726	109.95	85712	147.95	5491
65.05	2305	83.00	1705	111.00	11397	155.05	2734
68.90	157299	85.00	1730	116.95	22601	156.05	4816
74.00	11080	92.95	11580	123.00	2739	161.00	2194
74.95	20816	98.00	7680	126.95	155085	167.05	11493

verage of 9.053 to 9.076 min.: Z59732.D
FTPP 50NG
odified:subtracted

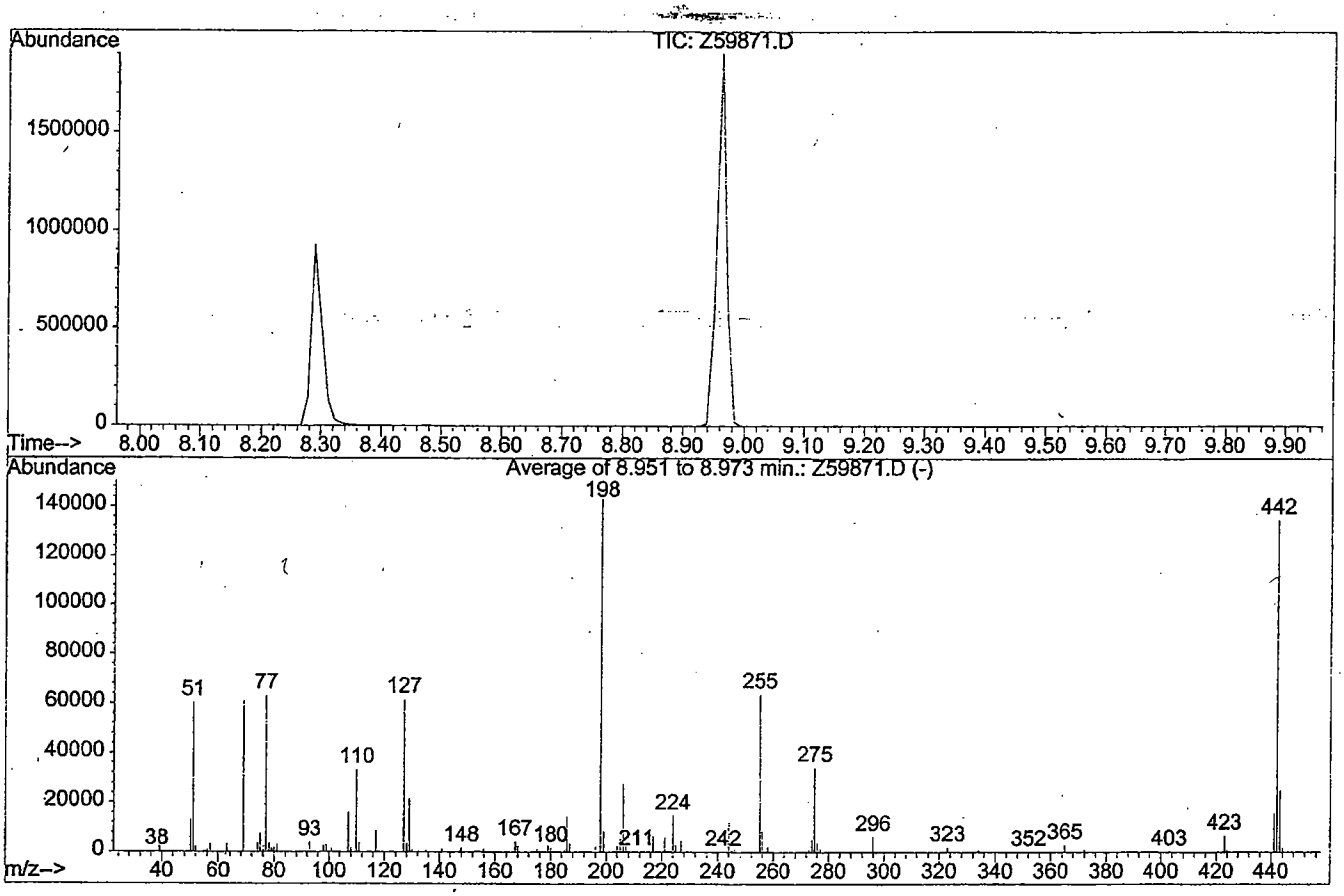
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.00	5899	196.10	7107	224.05	35651	273.05	3560
174.05	1768	197.95	338779	225.05	8360	274.00	12843
175.00	3874	199.00	21203	227.00	12579	275.00	80972
178.95	8082	204.00	7458	229.00	2204	276.05	10088
180.00	5866	205.05	13864	244.05	30334	277.00	4428
181.05	2330	206.05	66392	245.10	3133	296.00	14753
185.05	3458	207.05	8068	246.00	3845	323.05	5494
186.05	35787	211.00	1696	255.00	146800	334.05	3041
187.00	9653	216.95	16569	256.00	20382	364.95	6562
192.00	1957	221.15	16125	258.00	6029	372.05	2727
193.00	2262	223.00	2950	265.00	2090	423.05	14117

verage of 9.053 to 9.076 min.: Z59732.D
FTPP 50NG
odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
424.05	2497						
441.05	31630						
442.10	258784						
443.10	46036						
444.10	3591						

DFTPP Tune Evaluation

Data File : D:\ELINK\INSTR1\DATA\020204\Z59871.D Vial: 1
Acq On : 2 Feb 2004 10:41 Operator: PM
Sample : DFTPP 50NG Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\ELINK\INSTR1\QUANT\BNAEZ.M (RTE Integrator)
Title : CLP BNA Calibration



Peak Apex is scan: 676 (8.96 min)
Average of 3 scans: 675,676,677 minus background scan 656 (8.73 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	60246	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	42.5	60933	PASS
70	69	0	2	0.0	0	PASS
127	198	40	60	43.1	61723	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	143243	PASS
199	198	5	9	6.0	8601	PASS
275	198	10	30	23.9	34236	PASS
365	198	1	100	2.0	2886	PASS
441	198	0	100	11.1	15853	PASS
442	198	40	110	94.1	134824	PASS
443	442	17	23	18.5	24968	PASS

Z59871.D BNAEZ.M Mon Feb 02 10:59:52 2004

verage of 8.951 to 8.973 min.: Z59871.D
FTPP 50NG
odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	4435	77.00	63133	109.95	33438	167.00	4345
50.00	13303	78.10	3325	111.00	3784	168.00	2494
50.95	60246	79.00	2022	116.95	8573	175.05	1164
52.05	2279	80.00	1637	126.95	61723	178.95	2798
56.00	897	81.00	3053	128.05	3468	180.00	1817
57.00	3487	92.90	3960	128.95	21435	185.05	834
63.05	1329	98.00	2548	130.00	1046	186.00	14512
68.90	60933	99.00	2952	135.00	913	187.00	3572
74.05	3696	101.00	1407	140.95	1434	196.00	2311
74.95	7664	106.95	16072	147.95	1734	197.90	143243
76.05	2439	108.00	1929	156.00	1341	198.95	8601

verage of 8.951 to 8.973 min.: Z59871.D
FTPP 50NG
odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
204.00	2536	245.05	898	323.00	2030		
205.00	5281	246.00	1282	334.00	927		
206.05	27816	254.95	63755	364.95	2886		
207.05	3004	255.95	8542	372.00	895		
216.95	6543	257.95	2134	423.00	6684		
221.05	5963	273.00	1045	424.00	888		
223.00	776	274.00	5000	441.05	15853		
224.00	14823	274.95	34236	442.00	134824		
225.00	3070	276.00	3734	443.00	24968		
226.95	4682	276.95	1498	444.00	1649		
244.05	12096	295.95	6322				

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

S Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4B0515902

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z59874.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

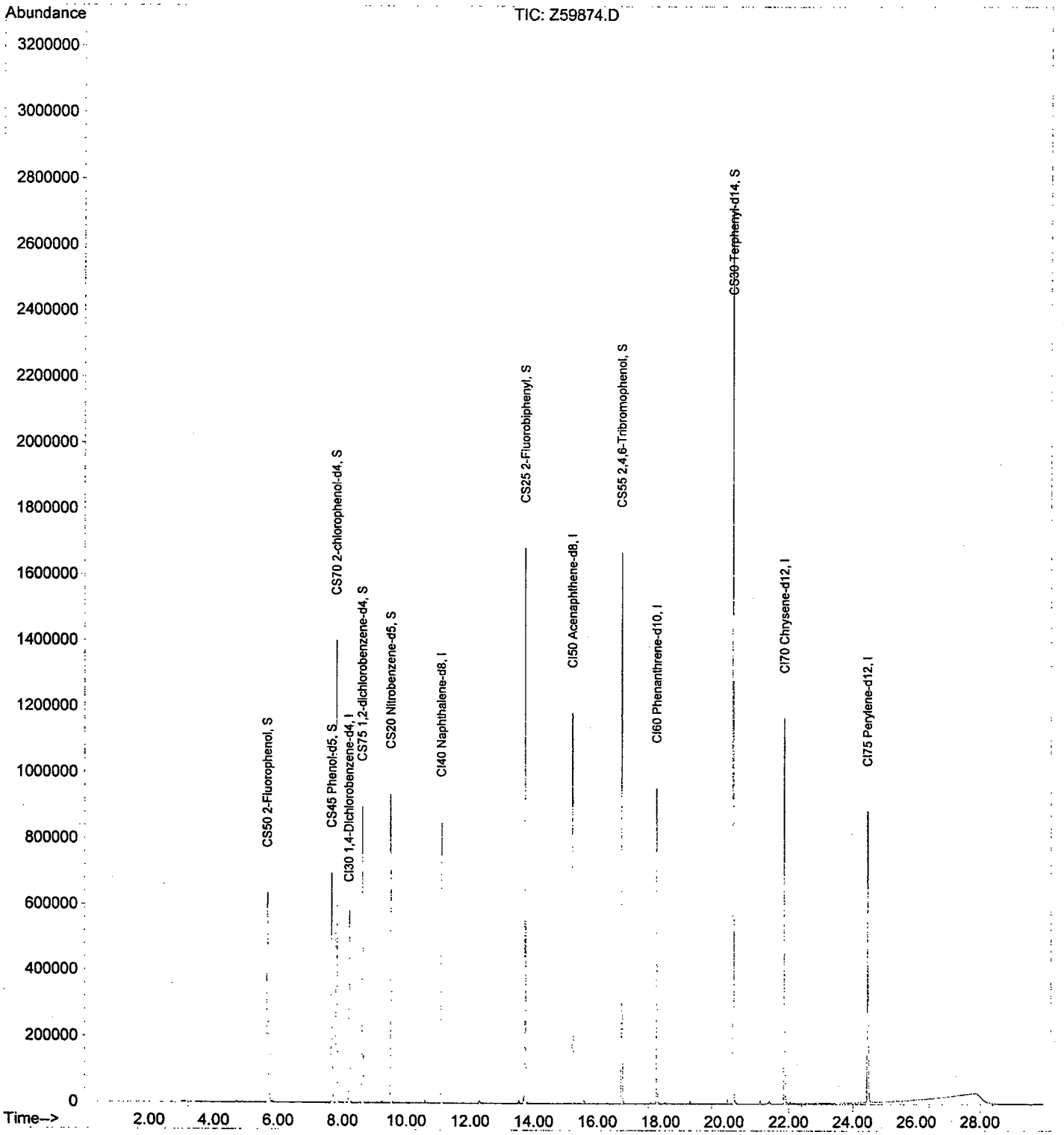
PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59874.D Vial: 3
Acq On : 2 Feb 2004 12:17 Operator: PM
Sample : SBLK59 AW40007196 Inst : I50Z-A
Misc : 04-0634 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:05 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59874.D Vial: 3
Acq On : 2 Feb 2004 12:17 Operator: PM
Sample : SBLK59 AW40007196 Inst : I50Z-A
Misc : 04-0634 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:05 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.20	152	217237	40.00	ng	0.00 82.90%
22) CI40 Naphthalene-d8	11.10	136	815508	40.00	ng	0.02 83.68%
38) CI50 Acenaphthene-d8	15.22	164	448648	40.00	ng	0.02 82.43%
60) CI60 Phenanthrene-d10	17.87	188	762291	40.00	ng	0.00 80.08%
73) CI70 Chrysene-d12	21.87	240	750064	40.00	ng	0.00 78.49%
82) CI75 Perylene-d12	24.47	264	703040	40.00	ng	0.00 79.18%
System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	498216	75.67	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 50.45%			
6) CS45 Phenol-d5	7.67	99	444908	53.40	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 35.60%			
7) CS70 2-chlorophenol-d4	7.82	132	782677	110.81	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 73.87%			
13) CS75 1,2-dichlorobenzene-d	8.62	152	272719	61.99	ng	0.02
Spiked Amount 100.000	Range 16 - 110		Recovery = 61.99%			
23) CS20 Nitrobenzene-d5	9.52	82	577353	74.75	ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery = 74.75%			
42) CS25 2-Fluorobiphenyl	13.73	172	1012272	79.20	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 79.20%			
63) CS55 2,4,6-Tribromophenol	16.77	330	310921	126.97	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 84.65%			
76) CS30 Terphenyl-d14	20.28	244	1266748	95.76	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 95.76%			

Target Compounds				Qvalue
2) C705 n-nitrosodidimethylam	0.00	74	N.D.	
4) E600 Benzaldehyde	0.00	77	N.D.	
5) C325 bis(2-Chloroethyl)eth	0.00	93	N.D.	
8) C315 Phenol	0.00	94	N.D.	
9) C330 2-Chlorophenol	0.00	128	N.D.	
10) C320 aniline	0.00	93	N.D.	

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

Data File : D:\ELINK\INSTR1\DATA\020204\Z59874.D Vial: 3
Acq On : 2 Feb 2004 12:17 Operator: PM
Sample : SBLK59 AW40007196 Inst : I50Z-A
Misc : 04-0634 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:05 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.	
12)	C340 1,4-Dichlorobenzene	0.00	146		N.D.	
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.	
15)	C345 Benzyl alcohol	0.00	108		N.D.	
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.	
17)	C355 2-Methylphenol	0.00	108		N.D.	
18)	E145 Acetophenone	0.00	105		N.D.	
19)	C375 Hexachloroethane	0.00	117		N.D.	
20)	C370 N-Nitroso-di-n-propyl	0.00	70		N.D.	
21)	C365 4-Methylphenol	0.00	108		N.D.	
24)	C410 Nitrobenzene	0.00	77		N.D.	
25)	C415 Isophorone	0.00	82		N.D.	
26)	C430 benzoic acid	0.00	122		N.D.	
27)	C420 2-Nitrophenol	0.00	139		N.D.	
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.	
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.	
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.	
31)	C445 1,2,4-Trichlorobenzen	0.00	180		N.D.	
32)	C450 Naphthalene	0.00	128		N.D.	
33)	C455 4-Chloroaniline	0.00	127		N.D.	
34)	C460 Hexachlorobutadiene	0.00	225		N.D.	
35)	E655 Caprolactam	0.00	113		N.D.	
36)	C465 4-Chloro-3-methylphen	0.00	107		N.D.	
37)	C470 2-Methylnaphthalene	0.00	142		N.D.	
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.	
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.	
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.	
43)	C525 2-Chloronaphthalene	0.00	162		N.D.	
44)	C811 1,1'-Biphenyl	0.00	154		N.D.	
45)	C530 2-Nitroaniline	0.00	65		N.D.	
46)	C540 Acenaphthylene	0.00	152		N.D.	
47)	C535 Dimethylphthalate	0.00	163		N.D.	
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.	
49)	C550 Acenaphthene	0.00	153		N.D.	
50)	C545 3-Nitroaniline	0.00	138		N.D.	
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.	
52)	C565 Dibenzofuran	0.00	168		N.D.	
53)	C570 2,4-Dinitrotoluene	0.00	165		N.D.	
54)	C560 4-Nitrophenol	0.00	109		N.D.	
55)	C590 Fluorene	0.00	166		N.D.	

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

383/401

Client No.

Matrix Spike Blank

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4B0515901

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z59873.RR

evel: (low/med) LOW Date Samp/Recv: _____ _____

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

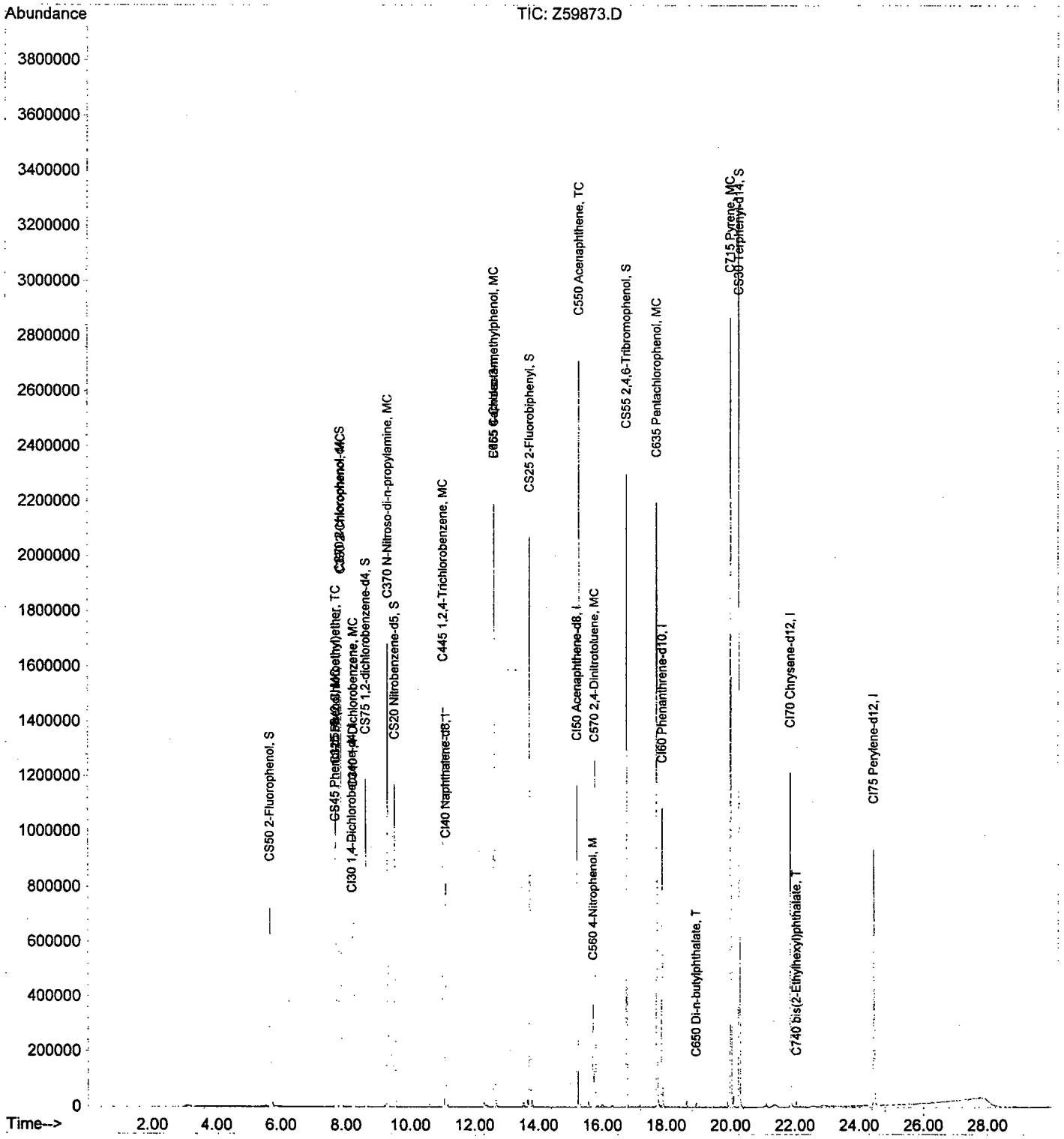
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	29	
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

Data File : D:\ELINK\INSTR1\DATA\020204\Z59873.D Vial: 2
Acq On : 2 Feb 2004 11:42 Operator: PM
Sample : MSB AW40007195 Inst : I50Z-A
Misc : 04-0634 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:05 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59873.D Vial: 2
Acq On : 2 Feb 2004 11:42 Operator: PM
Sample : MSB AW40007195 Inst : I50Z-A
Misc : 04-0634 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:05 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator) 2/3/04
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) / Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.20	152	221826	40.00	ng	0.00 / 84.65%
22) CI40 Naphthalene-d8	11.10	136	833125	40.00	ng	0.02 / 85.49%
38) CI50 Acenaphthene-d8	15.22	164	455507	40.00	ng	0.02 / 83.69%
60) CI60 Phenanthrene-d10	17.88	188	804014	40.00	ng	0.02 / 84.46%
73) CI70 Chrysene-d12	21.87	240	772733	40.00	ng	0.00 / 80.86%
82) CI75 Perylene-d12	24.47	264	738471	40.00	ng	0.00 / 83.17%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.65	112	552236	82.13	ng	0.00
Spiked Amount 150.000	Range 21 - 110		Recovery = 54.75%			
6) CS45 Phenol-d5	7.67	99	476764	56.04	ng	0.02
Spiked Amount 150.000	Range 10 - 110		Recovery = 37.36%			
7) CS70 2-chlorophenol-d4	7.82	132	942110	130.62	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 87.08%			
13) CS75 1,2-dichlorobenzene-d	8.62	152	341311	75.97	ng	0.02
Spiked Amount 100.000	Range 16 - 110		Recovery = 75.97%			
23) CS20 Nitrobenzene-d5	9.52	82	774121	98.11	ng	0.00
Spiked Amount 100.000	Range 34 - 114		Recovery = 98.11%			
42) CS25 2-Fluorobiphenyl	13.73	172	1292045	99.57	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 99.57%			
63) CS55 2,4,6-Tribromophenol	16.77	330	416910	161.42	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 107.61%			
76) CS30 Terphenyl-d14	20.28	244	1492905	109.55	ng	0.02
Spiked Amount 100.000	Range 33 - 141		Recovery = 109.55%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	0.00	74		N.D.		
4) E600 Benzaldehyde	0.00	77		N.D.		
~~5) C325 bis(2-Chloroethyl)eth~~	~~7.68~~	~~93~~	~~8264~~	~~0.98 ng~~	#	1
8) C315 Phenol	7.68	94	536960	58.69	ng	89
9) C330 2-Chlorophenol	7.85	128	980112	131.65	ng	93
10) C320 aniline	0.00	93		N.D.		

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

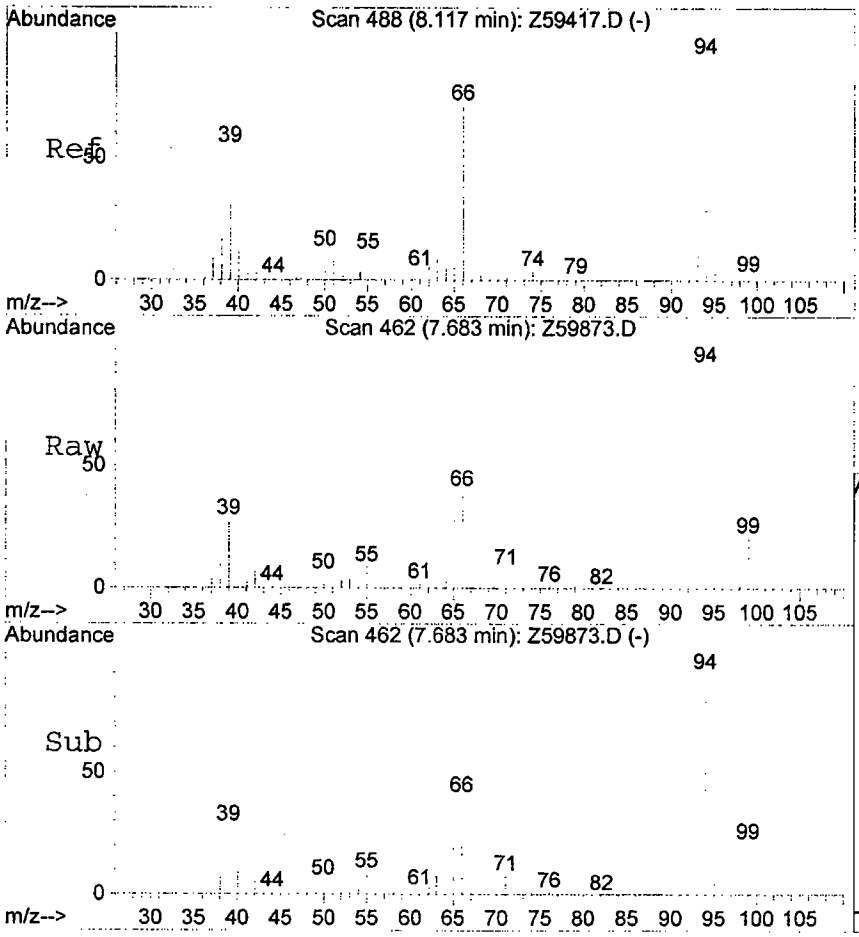
Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59873.D Vial: 2
Acq On : 2 Feb 2004 11:42 Operator: PM
Sample : MSB AW40007195 Inst : I50Z-A
Misc : 04-0634 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:05 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.			
12)	C340 1,4-Dichlorobenzene	8.23	146	539857	64.28	ng		99
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.			
15)	C345 Benzyl alcohol	0.00	108		N.D.			
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.			
17)	C355 2-Methylphenol	0.00	108		N.D.			
18)	E145 Acetophenone	0.00	105		N.D.			
19)	C375 Hexachloroethane	0.00	117		N.D.			
20)	C370 N-Nitroso-di-n-propyl	9.30	70	600271	102.80	ng		80
21)	C365 4-Methylphenol	0.00	108		N.D.			
24)	C410 Nitrobenzene	0.00	77		N.D.			
25)	C415 Isophorone	0.00	82		N.D.			
26)	C430 benzoic acid	0.00	122		N.D.			
27)	C420 2-Nitrophenol	0.00	139		N.D.			
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.			
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.			
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.			
31)	C445 1,2,4-Trichlorobenzen	11.02	180	485182	70.57	ng		94
32)	C450 Naphthalene	0.00	128		N.D.			
33)	C455 4-Chloroaniline	0.00	127		N.D.			
34)	C460 Hexachlorobutadiene	0.00	225		N.D.			
35)	E655 Caprolactam	12.62	113	24116	14.84	ng	#	49
36)	C465 4-Chloro-3-methylphen	12.62	107	933306	150.26	ng		88
37)	C470 2-Methylnaphthalene	0.00	142		N.D.			
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.			
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.			
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.			
43)	C525 2-Chloronaphthalene	0.00	162		N.D.			
44)	C811 1,1'-Biphenyl	0.00	154		N.D.			
45)	C530 2-Nitroaniline	0.00	65		N.D.			
46)	C540 Acenaphthylene	0.00	152		N.D.			
47)	C535 Dimethylphthalate	0.00	163		N.D.			
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.			
49)	C550 Acenaphthene	15.28	153	1054142	92.26	ng		95
50)	C545 3-Nitroaniline	0.00	138		N.D.			
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.			
52)	C565 Dibenzofuran	0.00	168		N.D.			
53)	C570 2,4-Dinitrotoluene	15.77	165	480604	102.19	ng		81
54)	C560 4-Nitrophenol	15.72	109	87943	65.60	ng		98
55)	C590 Fluorene	0.00	166		N.D.			

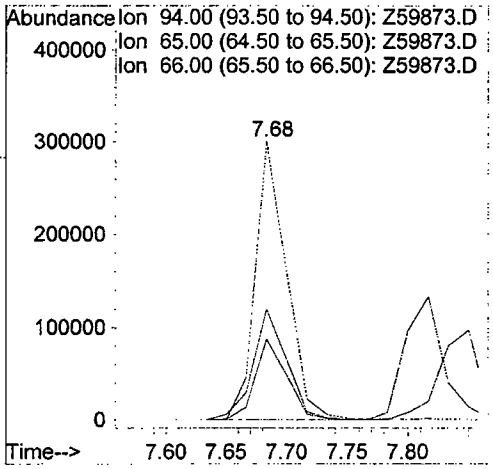
(#) = qualifier out of range (m) = manual integration



#8
C315 Phenol
Concen: 58.69 ng
RT: 7.68 min Scan# 462
Delta R.T. 0.00 min
Lab File: Z59873.D
Acq: 2 Feb 2004 11:42

Tgt Ion: 94 Resp: 536960

Ion	Ratio	Lower	Upper
94	100		
65	29.1	12.7	52.7
66	39.9	29.1	69.1



ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

388/401

Client No.

MW-6 MS

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063413MS

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z59888.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

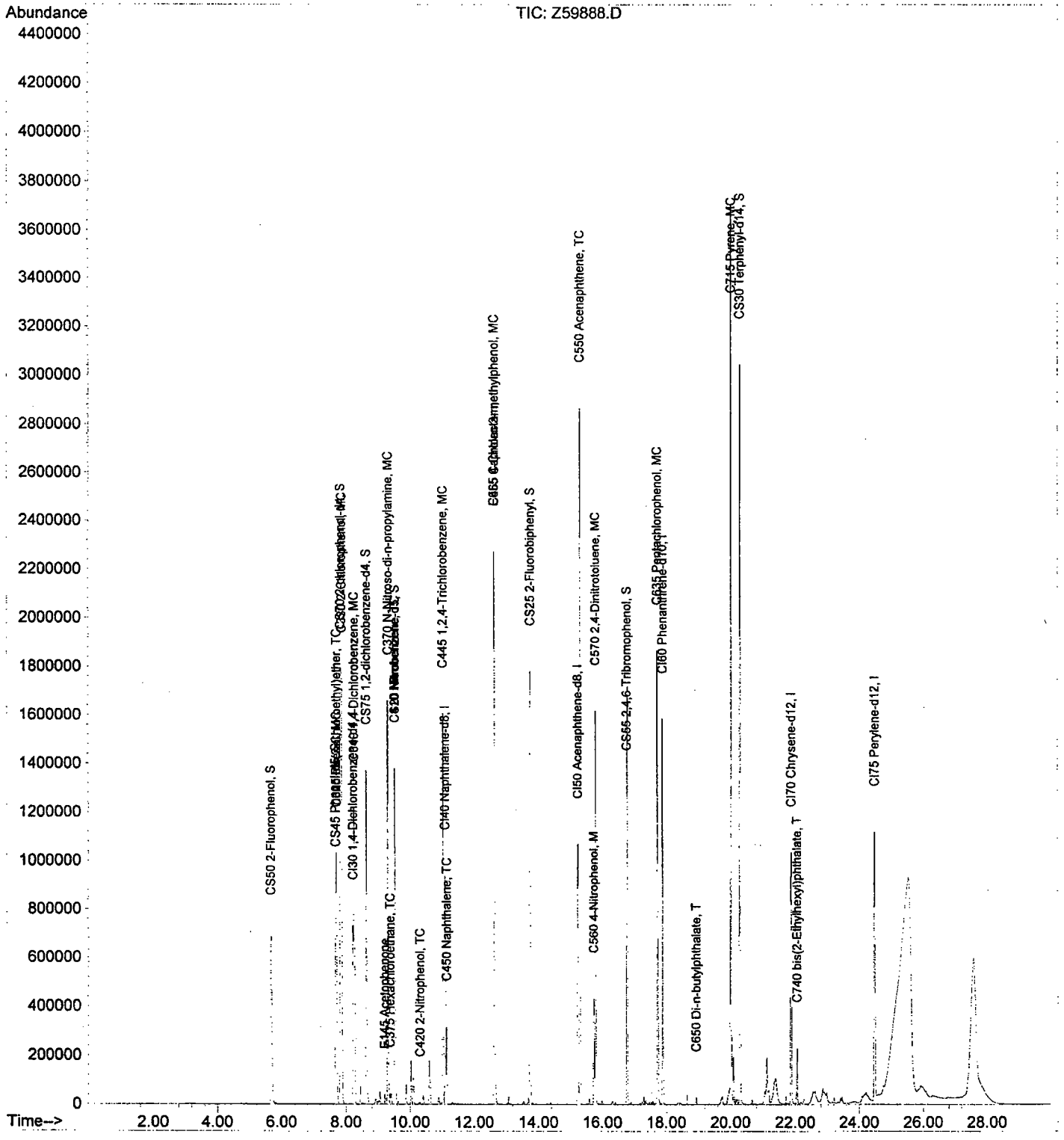
njection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	27	
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	6	

Data File : D:\ELINK\INSTR1\DATA\020204\Z59888.D Vial: 17
Acq On : 2 Feb 2004 20:22 Operator: PM
Sample : A4063413MS AW40007191 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:11 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59888.D Vial: 17
Acq On : 2 Feb 2004 20:22 Operator: PM
Sample : A4063413MS AW40007191 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:11 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	241990	40.00	ng	0.02 92.35%
22) CI40 Naphthalene-d8	11.10	136	928962	40.00	ng	0.02 95.32%
38) CI50 Acenaphthene-d8	15.23	164	490344	40.00	ng	0.03 90.09%
60) CI60 Phenanthrene-d10	17.88	188	856900	40.00	ng	0.02 90.02%
73) CI70 Chrysene-d12	21.88	240	861120	40.00	ng	0.02 90.11%
82) CI75 Perylene-d12	24.48	264	879912	40.00	ng	0.02 99.10%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	548331	74.76	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 49.84%			
6) CS45 Phenol-d5	7.68	99	477330	51.43	ng	0.03
Spiked Amount 150.000	Range 10 - 110		Recovery = 34.29%			
7) CS70 2-chlorophenol-d4	7.83	132	931830	118.43	ng	0.03
Spiked Amount 150.000	Range 33 - 110		Recovery = 78.95%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	370360	75.57	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 75.57%			
23) CS20 Nitrobenzene-d5	9.53	82	781020	88.77	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 88.77%			
42) CS25 2-Fluorobiphenyl	13.75	172	1330838	95.28	ng	0.03
Spiked Amount 100.000	Range 43 - 116		Recovery = 95.28%			
63) CS55 2,4,6-Tribromophenol	16.77	330	398272	144.68	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 96.45%			
76) CS30 Terphenyl-d14	20.30	244	1539936	101.40	ng	0.03
Spiked Amount 100.000	Range 33 - 141		Recovery = 101.40%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	0.00	74		N.D.		
4) E600 Benzaldehyde	0.00	77		N.D.		
~~5) C325 bis(2-Chloroethyl)eth~~	~~7.70~~	~~93~~	~~8264~~	~~0.90~~	~~ng~~	# 1
8) C315 Phenol	7.70	94	537037	53.81	ng	87
9) C330 2-Chlorophenol	7.87	128	977500	120.36	ng	93
10) C320 aniline	0.00	93		N.D.		

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

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59888.D Vial: 17
Acq On : 2 Feb 2004 20:22 Operator: PM
Sample : A4063413MS AW40007191 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:11 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.		
12)	C340 1,4-Dichlorobenzene	8.25	146	625086	68.22 ng		98
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.		
15)	C345 Benzyl alcohol	0.00	108		N.D.		
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.		
17)	C355 2-Methylphenol	0.00	108		N.D.		
18)	E145 Acetophenone	9.22	105	31972	3.24 ng	#	16
19)	C375 Hexachloroethane	9.38	117	1998	0.52 ng	#	17
20)	C370 N-Nitroso-di-n-propyl	9.32	70	597024	93.72 ng		82
21)	C365 4-Methylphenol	0.00	108		N.D.		
24)	C410 Nitrobenzene	9.53	77	9043	0.99 ng	#	28
25)	C415 Isophorone	0.00	82		N.D.		
26)	C430 benzoic acid	0.00	122		N.D.		
27)	C420 2-Nitrophenol	10.32	139	3647	0.88 ng	#	74
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.		
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.		
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.		
31)	C445 1,2,4-Trichlorobenzen	11.03	180	542977	70.82 ng		94
32)	C450 Naphthalene	11.15	128	255820	11.12 ng		98
33)	C455 4-Chloroaniline	0.00	127		N.D.		
34)	C460 Hexachlorobutadiene	0.00	225		N.D.		
35)	E655 Caprolactam	12.63	113	23001	12.70 ng	#	46
36)	C465 4-Chloro-3-methylphen	12.63	107	910124	131.41 ng		88
37)	C470 2-Methylnaphthalene	0.00	142		N.D.		
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.		
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.		
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.		
43)	C525 2-Chloronaphthalene	0.00	162		N.D.		
44)	C811 1,1'-Biphenyl	0.00	154		N.D.		
45)	C530 2-Nitroaniline	0.00	65		N.D.		
46)	C540 Acenaphthylene	0.00	152		N.D.		
47)	C535 Dimethylphthalate	0.00	163		N.D.		
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.		
49)	C550 Acenaphthene	15.30	153	1095461	89.06 ng		92
50)	C545 3-Nitroaniline	0.00	138		N.D.		
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.		
52)	C565 Dibenzofuran	0.00	168		N.D.		
53)	C570 2,4-Dinitrotoluene	15.78	165	463974	91.65 ng		87
54)	C560 4-Nitrophenol	15.73	109	100947	69.95 ng		98
55)	C590 Fluorene	0.00	166		N.D.		

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

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

392/401

Client No.

MW-6 SD

ab Name: STL Buffalo Contract: _____

ab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

atrix: (soil/water) WATER Lab Sample ID: A4063413SD

ample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z59889.RR

evel: (low/med) LOW Date Samp/Recv: 01/22/2004 01/24/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 01/28/2004

oncentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/2004

njection Volume: 2.00 (uL) Dilution Factor: 1.00

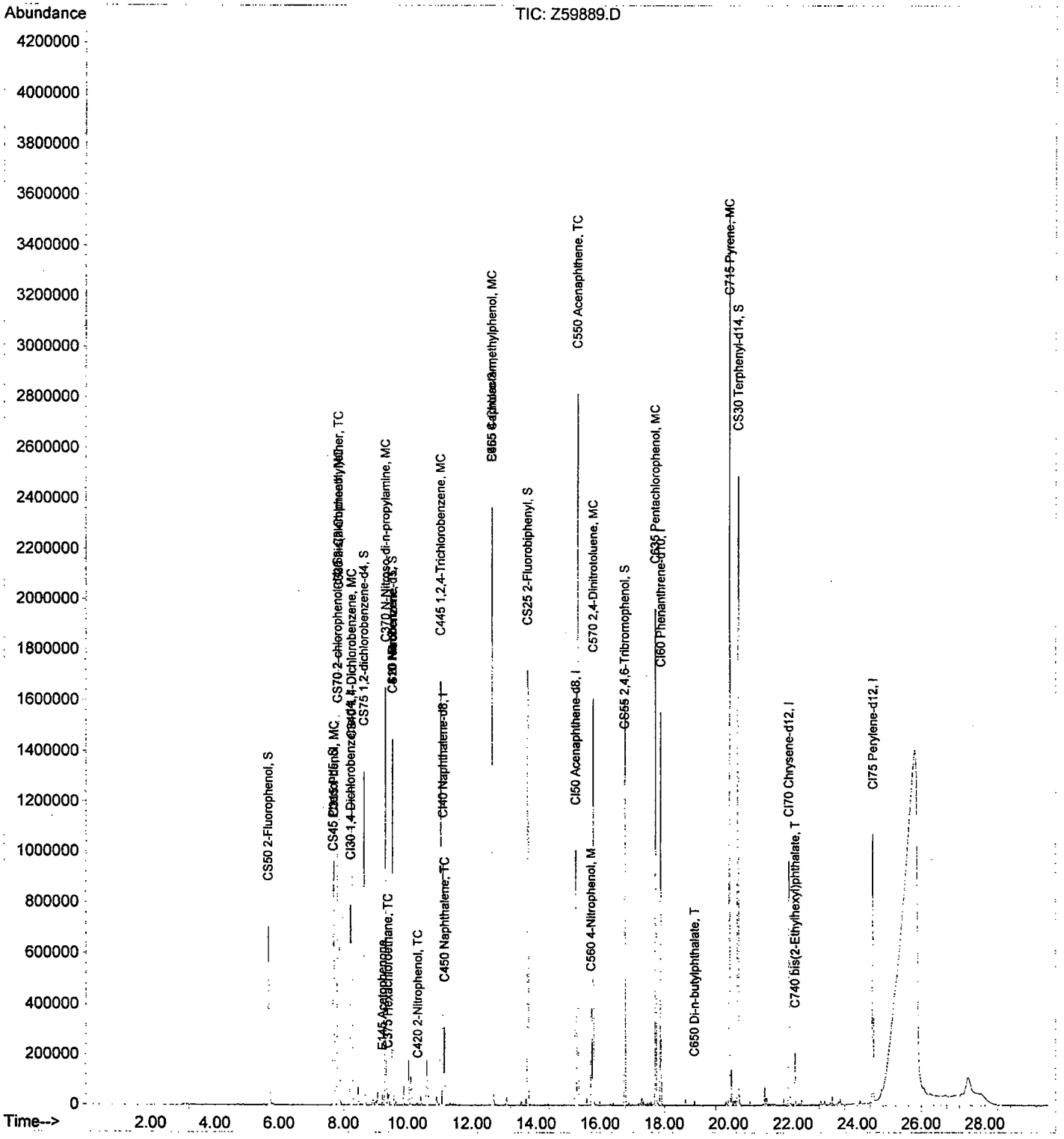
PC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	25	
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	6	

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59889.D Vial: 18
Acq On : 2 Feb 2004 20:56 Operator: PM
Sample : A4063413SD AW40007192 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:11 2004 Quant Results File: CLP.RES

Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Continuing Cal File: D:\ELINK\INSTR1\DATA\020204\Z59872.D



Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59889.D Vial: 18
Acq On : 2 Feb 2004 20:56 Operator: PM
Sample : A4063413SD AW40007192 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:11 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M
IS QA File : D:\ELINK\INSTR1\DATA\020204\Z59872.D (2 Feb 2004 11:03)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	8.22	152	242459	40.00	ng	0.02 92.53%
22) CI40 Naphthalene-d8	11.10	136	929861	40.00	ng	0.02 95.42%
38) CI50 Acenaphthene-d8	15.23	164	489855	40.00	ng	0.03 90.00%
60) CI60 Phenanthrene-d10	17.88	188	845784	40.00	ng	0.02 88.85%
73) CI70 Chrysene-d12	21.87	240	829758	40.00	ng	0.00 86.83%
82) CI75 Perylene-d12	24.48	264	828735	40.00	ng	0.02 93.34%

System Monitoring Compounds						
3) CS50 2-Fluorophenol	5.67	112	521176	70.92	ng	0.02
Spiked Amount 150.000	Range 21 - 110		Recovery = 47.28%			
6) CS45 Phenol-d5	7.68	99	452732	48.69	ng	0.03
Spiked Amount 150.000	Range 10 - 110		Recovery = 32.46%			
7) CS70 2-chlorophenol-d4	7.82	132	912299	115.72	ng	0.02
Spiked Amount 150.000	Range 33 - 110		Recovery = 77.15%			
13) CS75 1,2-dichlorobenzene-d	8.63	152	369011	75.15	ng	0.03
Spiked Amount 100.000	Range 16 - 110		Recovery = 75.15%			
23) CS20 Nitrobenzene-d5	9.53	82	773024	87.78	ng	0.02
Spiked Amount 100.000	Range 34 - 114		Recovery = 87.78%			
42) CS25 2-Fluorobiphenyl	13.73	172	1317717	94.43	ng	0.02
Spiked Amount 100.000	Range 43 - 116		Recovery = 94.43%			
63) CS55 2,4,6-Tribromophenol	16.77	330	398389	146.63	ng	0.02
Spiked Amount 150.000	Range 10 - 123		Recovery = 97.75%			
76) CS30 Terphenyl-d14	20.30	244	1515178	103.54	ng	0.03
Spiked Amount 100.000	Range 33 - 141		Recovery = 103.54%			

Target Compounds						Qvalue
2) C705 n-nitrosodidimethylam	0.00	74		N.D.		
4) E600 Benzaldehyde	0.00	77		N.D.		
~~5) C325 bis(2-Chloroethyl)eth~~	~~7.85~~	~~93~~	~~16653~~	~~1.81~~	~~ng~~ #	1
8) C315 Phenol	7.70	94	499524	49.95	ng	87
~~9) C330 2-Chlorophenol~~	~~7.85~~	~~128~~	~~951820~~	~~116.97~~	~~ng~~	~~85~~
10) C320 aniline	0.00	93		N.D.		

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

Quantitation Report

Data File : D:\ELINK\INSTR1\DATA\020204\Z59889.D Vial: 18
Acq On : 2 Feb 2004 20:56 Operator: PM
Sample : A4063413SD AW40007192 Inst : I50Z-A
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 3 7:11 2004 Quant Results File: CLP.RES

Quant Method : D:\ELINK\INSTR1\QUANT\CLP.M (RTE Integrator)
Title : CLP BNA Calibration
Last Update : Tue Feb 03 07:04:29 2004
Response via : Single (D:\ELINK\INSTR1\DATA\020204\Z59872.D 2 Feb 2004 11:
DataAcq Meth : METHOD.M

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
11)	C335 1,3-Dichlorobenzene	0.00	146		N.D.		
12)	C340 1,4-Dichlorobenzene	8.25	146	626033	68.19 ng		99
14)	C350 1,2-Dichlorobenzene	0.00	146		N.D.		
15)	C345 Benzyl alcohol	0.00	108		N.D.		
16)	C360 bis(2-chloroisopropyl	0.00	45		N.D.		
17)	C355 2-Methylphenol	0.00	108		N.D.		
18)	E145 Acetophenone	9.22	105	31547	3.19 ng	#	16
19)	C375 Hexachloroethane	9.38	117	2312	0.60 ng	#	17
20)	C370 N-Nitroso-di-n-propyl	9.32	70	616245	96.55 ng		82
21)	C365 4-Methylphenol	0.00	108		N.D.		
24)	C410 Nitrobenzene	9.53	77	8849	0.97 ng	#	29
25)	C415 Isophorone	0.00	82		N.D.		
26)	C430 benzoic acid	0.00	122		N.D.		
27)	C420 2-Nitrophenol	10.32	139	4297	1.04 ng	#	84
28)	C425 2,4-Dimethylphenol	0.00	107		N.D.		
29)	C435 bis(2-Chloroethoxy)me	0.00	93		N.D.		
30)	C440 2,4-Dichlorophenol	0.00	162		N.D.		
31)	C445 1,2,4-Trichlorobenzen	11.03	180	548466	71.47 ng		93
32)	C450 Naphthalene	11.15	128	259493	11.27 ng		98
33)	C455 4-Chloroaniline	0.00	127		N.D.		
34)	C460 Hexachlorobutadiene	0.00	225		N.D.		
35)	E655 Caprolactam	12.63	113	22339	12.32 ng	#	46
36)	C465 4-Chloro-3-methylphen	12.63	107	895907	129.23 ng		89
37)	C470 2-Methylnaphthalene	0.00	142		N.D.		
39)	C510 Hexachlorocyclopentad	0.00	237		N.D.		
40)	C515 2,4,6-Trichlorophenol	0.00	196		N.D.		
41)	C520 2,4,5-Trichlorophenol	0.00	196		N.D.		
43)	C525 2-Chloronaphthalene	0.00	162		N.D.		
44)	C811 1,1'-Biphenyl	0.00	154		N.D.		
45)	C530 2-Nitroaniline	0.00	65		N.D.		
46)	C540 Acenaphthylene	0.00	152		N.D.		
47)	C535 Dimethylphthalate	0.00	163		N.D.		
48)	C542 2,6-Dinitrotoluene	0.00	165		N.D.		
49)	C550 Acenaphthene	15.30	153	1086965	88.46 ng		92
50)	C545 3-Nitroaniline	0.00	138		N.D.		
51)	C555 2,4-Dinitrophenol	0.00	184		N.D.		
52)	C565 Dibenzofuran	0.00	168		N.D.		
53)	C570 2,4-Dinitrotoluene	15.78	165	467594	92.45 ng		86
54)	C560 4-Nitrophenol	15.72	109	96543	66.97 ng	#	84
55)	C590 Fluorene	0.00	166		N.D.		

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

2/3/04

STL Buffalo
Date: 01/27/2004
Time: 16:33:40

Organic Prep Log Book
(3510C) 8270 WATERS
A4B05159

Rept: AN050

SURROGATE A28
Expiration Date: 6-12-04
Prepared by: MM
Spiked by: ME 1000.00 ul
Witnessed by:

MATRIX SPIKE A57
Expiration Date: 3-23-04
Prepared by: CM
Spiked by: ME 1000.00 ul
Witnessed by:

MeCl2: Y49E02
Acetone:
Hexane:
Na2So4: 1-19-04
1:1 H2SO4: 3257
10 N NaOH: 3085

Date Ext/Initials: 1-28-04 MR

Date Cleanup/Initials:

Extraction Type: (SEPF) or CLLE (circle one) AQUEOUS EXTRACTIONS

Date Conc/Initials: 1-28-04 MM

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A04-0634	A4063401	A	FS	AW40007178	ASP00	ASP00	8270	A00028		Cloudy	6	1035	1.0
A04-0634	A4063402		FS	AW40007179	ASP00	ASP00	8270	A00028		Rusty		1045	
A04-0634	A4063403		FS	AW40007180	ASP00	ASP00	8270	A00028		"		1040	
A04-0634	A4063404		FS	AW40007181	ASP00	ASP00	8270	A00028		H brown		1030	
A04-0634	A4063405		FS	AW40007182	ASP00	ASP00	8270	A00028		Lt yellow		1045	
A04-0634	A4063406		FS	AW40007183	ASP00	ASP00	8270	A00028		"		1050	
A04-0634	A4063407		FS	AW40007184	ASP00	ASP00	8270	A00028		Clear		1040	
A04-0634	A4063408		FS	AW40007185	ASP00	ASP00	8270	A00028		"		1045	
A04-0634	A4063409		FS	AW40007186	ASP00	ASP00	8270	A00028		Lt yellow		1050	
A04-0634	A4063410		FS	AW40007187	ASP00	ASP00	8270	A00028		Clear		1050	
A04-0634	A4063411	A	FS	AW40007188	ASP00	ASP00	8270	A00028		Clear	6	1045	
A04-0634	A4063412		FS	AW40007189	ASP00	ASP00	8270	A00028		Lt yellow		1045	
A04-0634	A4063413		FS	AW40007190	ASP00	ASP00	8270	A00028		Clear		1000	
A04-0634	A4063413MS		MS	AW40007191	ASP00	ASP00	8270	A00028	A00057	"		"	
A04-0634	A4063413SD		SD	AW40007192	ASP00	ASP00	8270	A00028	A00057	"		"	
A04-0634	A4063414		FS	AW40007193	ASP00	ASP00	8270	A00028		Clear		1040	

396/401

STL Buffalo
Date: 01/27/2004
Time: 16:33:40

Organic Prep Log Book
(3510C) 8270 WATERS
A4B05159

Rept: AN05(

SURROGATE
Expiration Date: _____
Prepared by: _____
Spiked by: _____ 0.00 ul
Witnessed by: _____

MATRIX SPIKE
Expiration Date: _____
Prepared by: _____
Spiked by: _____ 0.00 ul
Witnessed by: _____

MeCl2: _____
Acetone: _____
Hexane: _____
Na2So4: _____
1:1 H2SO4: _____
10 N NaOH: _____

Date Ext/Initials: _____ _____

Date Cleanup/Initials: _____ _____

Extraction Type: SEPF or CLLE (circle one) AQUEOUS EXTRACTIONS

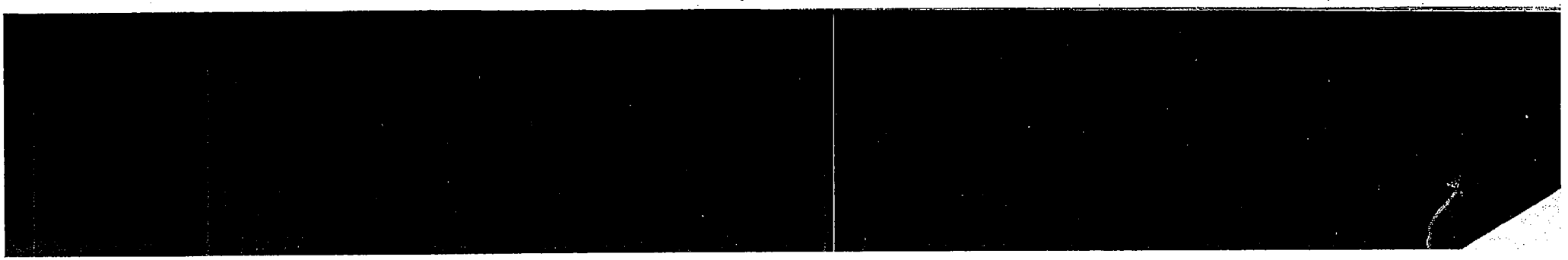
Date Conc/Initials: _____ _____

Job Number	Sample ID	Bottle ID	Sample Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Appear.	Initial pH	Sample Volume (ml)	Final Volume (ml)
A04-0634	A4063415		FS	AW40007194	ASP00	ASP00	8270	A00028		lt yellow	6	1050	1.0
A4B05159	A4B0515901		MSB	AW40007195	ASP00	ASP00	8270	A00028	A00057	Clear	5	1000	
A4B05159	A4B0515902		MBLK	AW40007196	ASP00	ASP00	8270	A00028		↓	↓	↓	

Comments: _____

S. #3 % REC.	I.S. #4 % REC.	I.S. #5 % REC.	I.S. #6 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	S.S. #5 % REC.	S.S. #6 % REC.	S.S. #7 % REC.	S.S. #8 % REC.	COMMENTS
												DMC #1
												AVC
84	84	91	83	55	37	87	76	89	100	108	110	
82	80	78	79	50	36	74	62	75	79	85	86	
78	79	82	87	49	33	81	70	91	92	96	101	
84	92	90	90	49	33	81	77	89	91	93	91	
79	85	86	94	50	34	81	79	95	91	92	84	
82	85	85	91	33	21	64	73	88	91	79	90	
82	87	85	90	48	32	81	79	92	99	96	99	
83	84	84	91	48	32	75	74	90	93	92	91	
83	85	82	88	43	28	72	67	82	86	89	91	
79	81	79	85	49	33	78	76	90	94	95	99	
78	81	78	82	24	17	63	84	70	99	86	102	
76	80	77	81	41	27	62	53	63	69	73	88	
72	74	75	83	43	28	71	67	81	80	87	94	
77	81	80	88	48	33	77	75	87	93	92	93	
79	85	87	92	44	30	72	71	83	88	94	94	
80	80	80	89	50	34	79	76	85	95	96	101	
80	84	87	93	47	32	77	75	88	94	98	104	
79	82	80	85	52	34	83	80	93	100	99	110	
77	78	76	83	53	36	82	77	89	100	99	101	

NO. _____ Page 2



DATE	TIME	ANALYST	FRN	SAMPLE ID	VIAL #	JOB #	INJ VOL	F.V.	DF	NG I.S.	I.S. ID	SYR ID.	I.S. #1 % REC.	I.S. #2 % R
2/2/04	1041	DM	059871	DFTPP STD	SL13-3AA	—	2.0	—	—	—	—	—		
	1103		059872	5ng000	CCB (1 pg/3)	—		—	—	—	—	—		
	1142		059873	MSB	AW400 0715	0634		1.0	1	40	SL17.10	0715	85	88
	1217		059874	SBLK59	96								83	84
	1252		059875	AW406401	70								80	81
	1327		059876	02	79								82	87
	1401		059877	03	80								86	84
	1436		059878	04	81								89	90
	1510		059879	05	82								88	89
	1545		059880	06	83								92	91
	1620		059881	07	84								92	91
	1654		059882	08	85								86	85
	1729		059883	09	86								84	85
	1803		059884	10	87								80	81
	1838		059885	11	88								79	77
	1913		059886	12	89								81	82
	1947		059887	13	90								76	77
	2022		059888	13MS	91								92	85
	2056		059889	13D	92								93	85
	2131		059890	14	93								86	85
	2206		059891	15	94								82	83

SEVERN TRENT LABORATORIES, INC.

000022

Reviewed By _____ NO. _____ P

[redacted]

.S. #3 % REC.	I.S. #4 % REC.	I.S. #5 % REC.	I.S. #6 % REC.	S.S. #1 % REC.	S.S. #2 % REC.	S.S. #3 % REC.	S.S. #4 % REC.	S.S. #5 % REC.	S.S. #6 % REC.	S.S. #7 % REC.	S.S. #8 % REC.	COMMENTS
												DMC #1
												AZI 1545
												AZC 2025
												Bad inj LC
												Not used
91	97	84	96	51	81	53	66	72	80	67	81	
75	78	78	79	46	80	76	71	83	64	100	67	
86	84	88	86	44	25	77	78	83	59	67	67	
77	8-	77	77	4	28	75	75	89	52	59	65	
4	52	67	56	51	57	53	65	71	58	128	68	
77	92	84	82	67	104	59	67	75	50	123	68	Iso over conc
												I A.S. washed - label down

C 12/16/03

1 2/16/03

000007

NO. ______ Page 2

DATE	TIME	ANALYST	FAN	SAMPLE ID	VIAL #	JOB #	INJ VOL	F.V.	DF	NG I.S.	I.S. ID	SYR ID.	I.S. #1 % REC.	I.S. #2 % REC
12/13	0952		L59732	DFTPPSTD	SC13-3R	07-	2.0µl							
	0111		L59733	CSTD010	CAL(9/12/03)									
	1052		L59734	CSTD020	CCP(9/11/03)									
	1124		L59735	CSTD050										
	1201		L59736	CSTD080										
	1236		L59737	CSTD120										
	1309		L59738	CSTD160										
	1342		L59739	DFTPPSTD	SC13-3R									
	1410		L59740	CSTD080	CCP(9/11/03)	C								
	1434		L59741	SCAL-23	A1300 17037	13978		1.0ml	1	40	SC16-20	013-5	96	67
	1509		L59742	AZCO 1903	181	C018							77	74
	1543		L59743	04	182								82	81
	1617		L59744	07	183								80	77
	1652		L59745	BLK3	A1300 17052	13C15/24		0.5ml					93	92
	1726		L59746	SCAL-24	13								95	92
	1801		L59747	AZLC5901	14	1265								

SEVERN TRENT LABORATORIES, INC.

000006

Reviewed By _____ NO. _____ Page

[redacted]

APPENDIX B

ANALYTICAL RESULTS – SVE EFFLUENT AND INFLUENT (FEBRUARY 19, 2004)

2665 Park Center Drive, Suite D Simi Valley, California 93065 (805) 526-7161 ph (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

Dept:
File Code:

LABORATORY REPORT

Client:	SHAW E & I, INC.	Date of Report:	03/10/04
Address:	13 British American Blvd.	Date Received:	02/20/04
	Latham, NY 12110	CAS Project No:	P2400333
Contact:	Mr. Tony Perretta	Purchase Order:	20 059561 TP
Client Project ID: Flagship Airlines		New York Lab ID:	11221

Two (2) Stainless Steel Summa Canisters labeled: "Influent" and "Effluent"

The samples were received at the laboratory under chain of custody on February 20, 2004. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Volatile Organic Compound Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for selected volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5973 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Reviewed and Approved:

Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:

John Yokoyama
Operations Manager
Air Quality Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Shaw E & I, Inc.**
Client Sample ID: **Influent**
Client Project ID: **Flagship Airlines**

CAS Project ID: P2400333
CAS Sample ID: P2400333-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
Analyst: Svetlana Walsh
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00252

Date Collected: 2/19/04
Date Received: 2/20/04
Date(s) Analyzed: 2/25/04
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -1.9 Pf 1 = 3.5

D.F. = 1.42

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	1.4	ND	0.56	
75-00-3	Chloroethane	ND	1.4	ND	0.54	
75-34-3	1,1-Dichloroethane	ND	1.4	ND	0.35	
107-06-2	1,2-Dichloroethane	ND	1.4	ND	0.35	
71-55-6	1,1,1-Trichloroethane	ND	1.4	ND	0.26	
79-01-6	Trichloroethene	ND	1.4	ND	0.26	
127-18-4	Tetrachloroethene	**15**	1.4	**2.1**	0.21	
108-90-7	Chlorobenzene	ND	1.4	ND	0.31	
91-20-3	Naphthalene	ND	1.4	ND	0.27	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KMH Date: 03/05/04

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Shaw E & I, Inc.**
Client Sample ID: **Effluent**
Client Project ID: **Flagship Airlines**

CAS Project ID: P2400333
CAS Sample ID: P2400333-002

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
Analyst: Svetlana Walsh
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00388

Date Collected: 2/19/04
Date Received: 2/20/04
Date(s) Analyzed: 2/25/04
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -1.6 Pf 1 = 3.5

D.F. = 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	1.4	ND	0.54	
75-00-3	Chloroethane	ND	1.4	ND	0.53	
75-34-3	1,1-Dichloroethane	ND	1.4	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.4	ND	0.34	
71-55-6	1,1,1-Trichloroethane	ND	1.4	ND	0.25	
79-01-6	Trichloroethene	ND	1.4	ND	0.26	
127-18-4	Tetrachloroethene	ND	1.4	ND	0.21	
108-90-7	Chlorobenzene	ND	1.4	ND	0.30	
91-20-3	Naphthalene	ND	1.4	ND	0.27	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KMH Date: 03/05/04

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **Shaw E & I, Inc.**
Client Sample ID: **Method Blank**
Client Project ID: **Flagship Airlines**

CAS Project ID: P2400333
CAS Sample ID: P040225-MB

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/HP5973/HP6890/MS3
Analyst: Svetlana Walsh
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 2/25/04
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
91-20-3	Naphthalene	ND	1.0	ND	0.19	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KMH Date: 03/05/04

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: Shaw E & I, Inc. Work order: P2400333

Project: Flagship Airlines

Sample(s) received on: 2/20/04 Date opened: 2/20/04 by: SM

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

			Yes	No	N/A
1	Were **custody seals** on outside of cooler/Box?		☐	☒	☐
	Location of seal(s)?	Sealing Lid?	☐	☐	☒
	Were signature and date included?		☐	☐	☒
	Were seals intact?		☐	☐	☒
	Were custody seals on outside of sample container?		☐	☒	☐
	Location of seal(s)?	Sealing Lid?	☐	☐	☒
	Were signature and date included?		☐	☐	☒
	Were seals intact?		☐	☐	☒
2	Were **sample containers** properly marked with client sample ID?		☒	☐	☐
3	Did **sample containers** arrive in good condition?		☒	☐	☐
4	Were **chain-of-custody** papers used and filled out?		☒	☐	☐
5	Did **sample container labels** and/or tags agree with custody papers?		☒	☐	☐
6	Was **sample volume** received adequate for analysis?		☒	☐	☐
7	Are samples within specified holding times?		☒	☐	☐
8	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?		☐	☐	☒
	Cooler Temperature NA °C				
	Blank Temperature NA °C				
9	Is pH (acid) **preservation** necessary, according to method/SOP or Client specified information?		☐	☒	☐
	Is there a client indication that the submitted samples are **pH** (acid) preserved?		☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?		☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?		☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?		☐	☐	☒
	Do they contain moisture?		☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?		☐	☐	☒
	Are dual bed badges separated and individually capped and intact?		☐	☐	☒

Lab Sample ID	Required pH	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2400333-001			NA	
P2400333-002			NA	

Explain any discrepancies: (include lab sample ID numbers):

Columbia Analytical Services INC.
An Employee - Owned Company

Air Quality Laboratory
2665 Park Center Drive, Suite D
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Chain of Custody Record
Analytical Service Request

Client/Address	Project Name	Analysis	CAS Project No.
Shaw Environmental	Flagship Airlines		P2400333
	Project Number		Cooler / Blank
Phone 518-783-1996 Fax 518-783-8397	Sampling Location Dutchess County Airport		Temp_____
Email Anthony.Perretta@shawgrp.com	P.O. #/Billing Information		
Contact A Perretta	Sampler (Signature)		Comments (e.g., preservative or specific instructions)

Client Sample ID	Date Collected	Time Collected	Lab Sample No.	Type of Sample	Container ID (Serial #)	Flow Controller (Serial #)	Sample Volume (Liters)	Site Specific Analyte List				Expected Turnaround Time 24 Hr 48HF 3Day 4Day 5Day Standard (10 Business Days)	
Influent	2/19/04	0900-1200	00242	Air	00292	FC 02067		✓				STD	
Effluent	2/05/04	0900-1200		Air	01139	FC 00232		✓				STD	

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	Additional Comments
	2-19-04	1300	Sharon Malone	2/20/04	10:30	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:	

APPENDIX C

ANALYTICAL RESULTS – SOIL SAMPLES FROM SP-8 INSTALLATION

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ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RECEIVED
Date To: Brian Neumann
JUL 17

REPORT DATE 7/10/03
Proj: Flagship
File Copy: 8A

SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110
ATTN: BRIAN NEUMANN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 820131-06000000

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-72254
JOB NUMBER: 820131-0600000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: FLAGSHIP

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
*SB0626033(4-6)	03B15762	SOIL	NOT SPECIFIED	8260 water - tclp
*SB0626033(4-6)	03B15762	SOIL	NOT SPECIFIED	8270 water - tclp
SB0626034(11-12)	03B15764	SOIL	NOT SPECIFIED	8260 water - tclp
SB0626034(11-12)	03B15764	SOIL	NOT SPECIFIED	8270 water - tclp
SB0626034(4-6)	03B15763	SOIL	NOT SPECIFIED	8260 water - tclp
SB0626034(4-6)	03B15763	SOIL	NOT SPECIFIED	8270 water - tclp

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033
MASSACHUSETTS MA0100	NEW HAMPSHIRE 2516
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036
NEW YORK ELAP 10899	RHODE ISLAND (LIC. No. 112)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 7/10/03
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample

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BRIAN NEUMANN
SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

7/10/03

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626033(4-6)
Sample ID : 03B15762
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	07/03/03	BGL	100.			
Acrolein	ug/l	ND	07/03/03	BGL	200.			
Acrylonitrile	ug/l	ND	07/03/03	BGL	5.0			
tert-Amylmethyl Ether	ug/l	ND	07/03/03	BGL	5.0			
Benzene	ug/l	ND	07/03/03	BGL	6.0			
Bromobenzene	ug/l	ND	07/03/03	BGL	5.0			
Bromochloromethane	ug/l	ND	07/03/03	BGL	7.0			
Bromodichloromethane	ug/l	ND	07/03/03	BGL	4.0			
Bromomethane	ug/l	ND	07/03/03	BGL	12.0			
Bromoform	ug/l	ND	07/03/03	BGL	12.0			
2-Butanone (MEK)	ug/l	ND	07/03/03	BGL	100.			
tert-Butyl Alcohol	ug/l	ND	07/03/03	BGL	200.			
n-Butylbenzene	ug/l	1770.	07/03/03	BGL	7.0			
sec-Butylbenzene	ug/l	244.	07/03/03	BGL	6.0			
tert-Butylbenzene	ug/l	ND	07/03/03	BGL	8.0			
tert-Butylethyl Ether	ug/l	ND	07/03/03	BGL	5.0			
Carbon Disulfide	ug/l	ND	07/03/03	BGL	30.0			
Carbon Tetrachloride	ug/l	ND	07/03/03	BGL	5.0			
Chlorobenzene	ug/l	ND	07/03/03	BGL	6.0			
Chlorodibromomethane	ug/l	ND	07/03/03	BGL	5.0			
Chloroethane	ug/l	ND	07/03/03	BGL	8.0			
2-Chloroethylvinylether	ug/l	ND	07/03/03	BGL	96.0			
Chloroform	ug/l	ND	07/03/03	BGL	8.0			
Chloromethane	ug/l	ND	07/03/03	BGL	12.0			
2-Chlorotoluene	ug/l	ND	07/03/03	BGL	6.0			
4-Chlorotoluene	ug/l	ND	07/03/03	BGL	6.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	07/03/03	BGL	16.0			
1,2-Dibromoethane	ug/l	ND	07/03/03	BGL	7.0			
Dibromomethane	ug/l	ND	07/03/03	BGL	11.0			
1,2-Dichlorobenzene	ug/l	ND	07/03/03	BGL	8.0			

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626033(4-6)
Sample ID : 03B15762
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	ug/l	ND	07/03/03	BGL	6.0			
1,4-Dichlorobenzene	ug/l	ND	07/03/03	BGL	8.0			
cis-1,4-Dichloro-2-Butene	ug/l	ND	07/03/03	BGL	24.0			
trans-1,4-Dichloro-2-Butene	ug/l	ND	07/03/03	BGL	21.0			
Dichlorodifluoromethane	ug/l	ND	07/03/03	BGL	10.0			
1,1-Dichloroethane	ug/l	ND	07/03/03	BGL	7.0			
1,2-Dichloroethane	ug/l	ND	07/03/03	BGL	9.0			
1,1-Dichloroethylene	ug/l	ND	07/03/03	BGL	6.0			
cis-1,2-Dichloroethylene	ug/l	ND	07/03/03	BGL	5.0			
trans-1,2-Dichloroethylene	ug/l	ND	07/03/03	BGL	8.0			
1,2-Dichloropropane	ug/l	ND	07/03/03	BGL	6.0			
1,3-Dichloropropane	ug/l	ND	07/03/03	BGL	5.0			
2,2-Dichloropropane	ug/l	ND	07/03/03	BGL	9.0			
1,1-Dichloropropene	ug/l	ND	07/03/03	BGL	5.0			
cis-1,3-Dichloropropene	ug/l	ND	07/03/03	BGL	5.0			
trans-1,3-Dichloropropene	ug/l	ND	07/03/03	BGL	4.0			
Diethyl Ether	ug/l	ND	07/03/03	BGL	20.0			
Diisopropyl Ether	ug/l	ND	07/03/03	BGL	5.0			
Ethyl Benzene	ug/l	ND	07/03/03	BGL	6.0			
Ethyl Methacrylate	ug/l	ND	07/03/03	BGL	8.0			
Hexachlorobutadiene	ug/l	ND	07/03/03	BGL	13.0			
2-Hexanone	ug/l	ND	07/03/03	BGL	97.0			
Iodomethane	ug/l	ND	07/03/03	BGL	8.0			
Isopropylbenzene	ug/l	ND	07/03/03	BGL	4.0			
p-Isopropyltoluene	ug/l	238.	07/03/03	BGL	7.0			
MTBE	ug/l	ND	07/03/03	BGL	8.0			
Methylene Chloride	ug/l	ND	07/03/03	BGL	30.0			
MIBK	ug/l	ND	07/03/03	BGL	88.0			
Naphthalene	ug/l	4170.	07/03/03	BGL	10.0			
n-Propylbenzene	ug/l	10.1	07/03/03	BGL	8.0			

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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BRIAN NEUMANN
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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626033(4-6)
Sample ID : 03B15762
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Styrene	ug/l	ND	07/03/03	BGL	7.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	07/03/03	BGL	5.0			
1,1,2,2-Tetrachloroethane	ug/l	ND	07/03/03	BGL	5.0			
Tetrachloroethylene	ug/l	370.	07/03/03	BGL	4.0			
Tetrahydrofuran	ug/l	ND	07/03/03	BGL	50.0			
Toluene	ug/l	ND	07/03/03	BGL	7.0			
1,2,3-Trichlorobenzene	ug/l	ND	07/03/03	BGL	7.0			
1,2,4-Trichlorobenzene	ug/l	ND	07/03/03	BGL	7.0			
1,1,1-Trichloroethane	ug/l	ND	07/03/03	BGL	9.0			
1,1,2-Trichloroethane	ug/l	ND	07/03/03	BGL	7.0			
Trichloroethylene	ug/l	ND	07/03/03	BGL	10.0			
Trichlorofluoromethane	ug/l	ND	07/03/03	BGL	7.0			
1,2,3-Trichloropropane	ug/l	ND	07/03/03	BGL	13.0			
1,2,4-Trimethylbenzene	ug/l	647.	07/03/03	BGL	7.0			
1,3,5-Trimethylbenzene	ug/l	116.	07/03/03	BGL	10.0			
Vinyl Acetate	ug/l	ND	07/03/03	BGL	164.			
Vinyl Chloride	ug/l	ND	07/03/03	BGL	3.0			
m + p Xylene	ug/l	ND	07/03/03	BGL	13.0			
o-Xylene	ug/l	10.3	07/03/03	BGL	5.0			

Analytical Method:
SW846 1311/8260
TCLP EXTRACTS ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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BRIAN NEUMANN
SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(11-12)
Sample ID : 03B15764
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	07/03/03	BGL	10.0			
Acrolein	ug/l	ND	07/03/03	BGL	20.0			
Acrylonitrile	ug/l	ND	07/03/03	BGL	0.5			
tert-Amylmethyl Ether	ug/l	ND	07/03/03	BGL	0.5			
Benzene	ug/l	ND	07/03/03	BGL	0.6			
Bromobenzene	ug/l	ND	07/03/03	BGL	0.5			
Bromochloromethane	ug/l	ND	07/03/03	BGL	0.7			
Bromodichloromethane	ug/l	ND	07/03/03	BGL	0.4			
Bromomethane	ug/l	ND	07/03/03	BGL	1.2			
Bromoform	ug/l	ND	07/03/03	BGL	1.2			
2-Butanone (MEK)	ug/l	ND	07/03/03	BGL	10.0			
tert-Butyl Alcohol	ug/l	ND	07/03/03	BGL	20.0			
n-Butylbenzene	ug/l	4.5	07/03/03	BGL	0.7			
sec-Butylbenzene	ug/l	ND	07/03/03	BGL	0.6			
tert-Butylbenzene	ug/l	ND	07/03/03	BGL	0.8			
tert-Butylethyl Ether	ug/l	ND	07/03/03	BGL	0.5			
Carbon Disulfide	ug/l	ND	07/03/03	BGL	3.0			
Carbon Tetrachloride	ug/l	ND	07/03/03	BGL	0.5			
Chlorobenzene	ug/l	ND	07/03/03	BGL	0.6			
Chlorodibromomethane	ug/l	ND	07/03/03	BGL	0.5			
Chloroethane	ug/l	ND	07/03/03	BGL	0.8			
2-Chloroethylvinylether	ug/l	ND	07/03/03	BGL	9.6			
Chloroform	ug/l	ND	07/03/03	BGL	0.8			
Chloromethane	ug/l	ND	07/03/03	BGL	1.2			
2-Chlorotoluene	ug/l	ND	07/03/03	BGL	0.6			
4-Chlorotoluene	ug/l	ND	07/03/03	BGL	0.6			
1,2-Dibromo-3-Chloropropane	ug/l	ND	07/03/03	BGL	1.6			
1,2-Dibromoethane	ug/l	ND	07/03/03	BGL	0.7			
Dibromomethane	ug/l	ND	07/03/03	BGL	1.1			
1,2-Dichlorobenzene	ug/l	ND	07/03/03	BGL	0.8			

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BRIAN NEUMANN
SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(11-12)
Sample ID : 03B15764
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	ug/l	ND	07/03/03	BGL	0.6			
1,4-Dichlorobenzene	ug/l	ND	07/03/03	BGL	0.8			
cis-1,4-Dichloro-2-Butene	ug/l	ND	07/03/03	BGL	2.4			
trans-1,4-Dichloro-2-Butene	ug/l	ND	07/03/03	BGL	2.1			
Dichlorodifluoromethane	ug/l	ND	07/03/03	BGL	1.0			
1,1-Dichloroethane	ug/l	ND	07/03/03	BGL	0.7			
1,2-Dichloroethane	ug/l	ND	07/03/03	BGL	0.9			
1,1-Dichloroethylene	ug/l	ND	07/03/03	BGL	0.6			
cis-1,2-Dichloroethylene	ug/l	ND	07/03/03	BGL	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	07/03/03	BGL	0.8			
1,2-Dichloropropane	ug/l	ND	07/03/03	BGL	0.6			
1,3-Dichloropropane	ug/l	ND	07/03/03	BGL	0.5			
2,2-Dichloropropane	ug/l	ND	07/03/03	BGL	0.9			
1,1-Dichloropropene	ug/l	ND	07/03/03	BGL	0.5			
cis-1,3-Dichloropropene	ug/l	ND	07/03/03	BGL	0.5			
trans-1,3-Dichloropropene	ug/l	ND	07/03/03	BGL	0.4			
Diethyl Ether	ug/l	ND	07/03/03	BGL	2.0			
Diisopropyl Ether	ug/l	ND	07/03/03	BGL	0.5			
Ethyl Benzene	ug/l	ND	07/03/03	BGL	0.6			
Ethyl Methacrylate	ug/l	ND	07/03/03	BGL	0.8			
Hexachlorobutadiene	ug/l	ND	07/03/03	BGL	1.3			
2-Hexanone	ug/l	ND	07/03/03	BGL	9.7			
Iodomethane	ug/l	ND	07/03/03	BGL	0.8			
Isopropylbenzene	ug/l	ND	07/03/03	BGL	0.4			
p-Isopropyltoluene	ug/l	ND	07/03/03	BGL	0.7			
MTBE	ug/l	ND	07/03/03	BGL	0.8			
Methylene Chloride	ug/l	ND	07/03/03	BGL	3.0			
MIBK	ug/l	ND	07/03/03	BGL	8.8			
Naphthalene	ug/l	11.7	07/03/03	BGL	1.0			
n-Propylbenzene	ug/l	ND	07/03/03	BGL	0.8			

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(11-12)
Sample ID : 03B15764
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Styrene	ug/l	ND	07/03/03	BGL	0.7			
1,1,1,2-Tetrachloroethane	ug/l	ND	07/03/03	BGL	0.5			
1,1,2,2-Tetrachloroethane	ug/l	ND	07/03/03	BGL	0.5			
Tetrachloroethylene	ug/l	ND	07/03/03	BGL	0.4			
Tetrahydrofuran	ug/l	ND	07/03/03	BGL	5.0			
Toluene	ug/l	ND	07/03/03	BGL	0.7			
1,2,3-Trichlorobenzene	ug/l	ND	07/03/03	BGL	0.7			
1,2,4-Trichlorobenzene	ug/l	ND	07/03/03	BGL	0.7			
1,1,1-Trichloroethane	ug/l	ND	07/03/03	BGL	0.9			
1,1,2-Trichloroethane	ug/l	ND	07/03/03	BGL	0.7			
Trichloroethylene	ug/l	ND	07/03/03	BGL	1.0			
Trichlorofluoromethane	ug/l	ND	07/03/03	BGL	0.7			
1,2,3-Trichloropropane	ug/l	ND	07/03/03	BGL	1.3			
1,2,4-Trimethylbenzene	ug/l	ND	07/03/03	BGL	0.7			
1,3,5-Trimethylbenzene	ug/l	ND	07/03/03	BGL	1.0			
Vinyl Acetate	ug/l	ND	07/03/03	BGL	16.4			
Vinyl Chloride	ug/l	ND	07/03/03	BGL	0.3			
m + p Xylene	ug/l	ND	07/03/03	BGL	1.3			
o-Xylene	ug/l	ND	07/03/03	BGL	0.5			

Analytical Method:
SW846 1311/8260
TCLP EXTRACTS ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LATHAM, NY 12110

7/10/03

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(4-6)
Sample ID : 03B15763
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	07/03/03	BGL	100.			
Acrolein	ug/l	ND	07/03/03	BGL	200.			
Acrylonitrile	ug/l	ND	07/03/03	BGL	5.0			
tert-Amylmethyl Ether	ug/l	ND	07/03/03	BGL	5.0			
Benzene	ug/l	ND	07/03/03	BGL	6.0			
Bromobenzene	ug/l	ND	07/03/03	BGL	5.0			
Bromochloromethane	ug/l	ND	07/03/03	BGL	7.0			
Bromodichloromethane	ug/l	ND	07/03/03	BGL	4.0			
Bromomethane	ug/l	ND	07/03/03	BGL	12.0			
Bromoform	ug/l	ND	07/03/03	BGL	12.0			
2-Butanone (MEK)	ug/l	ND	07/03/03	BGL	100.			
tert-Butyl Alcohol	ug/l	ND	07/03/03	BGL	200.			
n-Butylbenzene	ug/l	4310.	07/03/03	BGL	7.0			
sec-Butylbenzene	ug/l	152.	07/03/03	BGL	6.0			
tert-Butylbenzene	ug/l	ND	07/03/03	BGL	8.0			
tert-Butylethyl Ether	ug/l	ND	07/03/03	BGL	5.0			
Carbon Disulfide	ug/l	ND	07/03/03	BGL	30.0			
Carbon Tetrachloride	ug/l	ND	07/03/03	BGL	5.0			
Chlorobenzene	ug/l	ND	07/03/03	BGL	6.0			
Chlorodibromomethane	ug/l	ND	07/03/03	BGL	5.0			
Chloroethane	ug/l	ND	07/03/03	BGL	8.0			
2-Chloroethylvinylether	ug/l	ND	07/03/03	BGL	96.0			
Chloroform	ug/l	ND	07/03/03	BGL	8.0			
Chloromethane	ug/l	ND	07/03/03	BGL	12.0			
2-Chlorotoluene	ug/l	ND	07/03/03	BGL	6.0			
4-Chlorotoluene	ug/l	ND	07/03/03	BGL	6.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	07/03/03	BGL	16.0			
1,2-Dibromoethane	ug/l	ND	07/03/03	BGL	7.0			
Dibromomethane	ug/l	ND	07/03/03	BGL	11.0			
1,2-Dichlorobenzene	ug/l	ND	07/03/03	BGL	8.0			

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(4-6)
Sample ID : 03B15763
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,3-Dichlorobenzene	ug/l	ND	07/03/03	BGL	6.0			
1,4-Dichlorobenzene	ug/l	ND	07/03/03	BGL	8.0			
cis-1,4-Dichloro-2-Butene	ug/l	ND	07/03/03	BGL	24.0			
trans-1,4-Dichloro-2-Butene	ug/l	ND	07/03/03	BGL	21.0			
Dichlorodifluoromethane	ug/l	ND	07/03/03	BGL	10.0			
1,1-Dichloroethane	ug/l	ND	07/03/03	BGL	7.0			
1,2-Dichloroethane	ug/l	ND	07/03/03	BGL	9.0			
1,1-Dichloroethylene	ug/l	ND	07/03/03	BGL	6.0			
cis-1,2-Dichloroethylene	ug/l	ND	07/03/03	BGL	5.0			
trans-1,2-Dichloroethylene	ug/l	ND	07/03/03	BGL	8.0			
1,2-Dichloropropane	ug/l	ND	07/03/03	BGL	6.0			
1,3-Dichloropropane	ug/l	ND	07/03/03	BGL	5.0			
2,2-Dichloropropane	ug/l	ND	07/03/03	BGL	9.0			
1,1-Dichloropropene	ug/l	ND	07/03/03	BGL	5.0			
cis-1,3-Dichloropropene	ug/l	ND	07/03/03	BGL	5.0			
trans-1,3-Dichloropropene	ug/l	ND	07/03/03	BGL	4.0			
Diethyl Ether	ug/l	ND	07/03/03	BGL	20.0			
Diisopropyl Ether	ug/l	ND	07/03/03	BGL	5.0			
Ethyl Benzene	ug/l	ND	07/03/03	BGL	6.0			
Ethyl Methacrylate	ug/l	ND	07/03/03	BGL	8.0			
Hexachlorobutadiene	ug/l	ND	07/03/03	BGL	13.0			
2-Hexanone	ug/l	ND	07/03/03	BGL	97.0			
Iodomethane	ug/l	ND	07/03/03	BGL	8.0			
Isopropylbenzene	ug/l	7.7	07/03/03	BGL	4.0			
p-Isopropyltoluene	ug/l	148.	07/03/03	BGL	7.0			
MTBE	ug/l	ND	07/03/03	BGL	8.0			
Methylene Chloride	ug/l	ND	07/03/03	BGL	30.0			
MIBK	ug/l	ND	07/03/03	BGL	88.0			
Naphthalene	ug/l	12400.	07/03/03	BGL	10.0			
n-Propylbenzene	ug/l	23.8	07/03/03	BGL	8.0			

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7/10/03

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(4-6)
Sample ID : 03B15763
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Styrene	ug/l	ND	07/03/03	BGL	7.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	07/03/03	BGL	5.0			
1,1,2,2-Tetrachloroethane	ug/l	ND	07/03/03	BGL	5.0			
Tetrachloroethylene	ug/l	308.	07/03/03	BGL	4.0			
Tetrahydrofuran	ug/l	ND	07/03/03	BGL	50.0			
Toluene	ug/l	7.7	07/03/03	BGL	7.0			
1,2,3-Trichlorobenzene	ug/l	ND	07/03/03	BGL	7.0			
1,2,4-Trichlorobenzene	ug/l	ND	07/03/03	BGL	7.0			
1,1,1-Trichloroethane	ug/l	ND	07/03/03	BGL	9.0			
1,1,2-Trichloroethane	ug/l	ND	07/03/03	BGL	7.0			
Trichloroethylene	ug/l	ND	07/03/03	BGL	10.0			
Trichlorofluoromethane	ug/l	ND	07/03/03	BGL	7.0			
1,2,3-Trichloropropane	ug/l	ND	07/03/03	BGL	13.0			
1,2,4-Trimethylbenzene	ug/l	750.	07/03/03	BGL	7.0			
1,3,5-Trimethylbenzene	ug/l	127.	07/03/03	BGL	10.0			
Vinyl Acetate	ug/l	ND	07/03/03	BGL	164.			
Vinyl Chloride	ug/l	ND	07/03/03	BGL	3.0			
m + p Xylene	ug/l	28.9	07/03/03	BGL	13.0			
o-Xylene	ug/l	29.0	07/03/03	BGL	5.0			

Analytical Method:
SW846 1311/8260
TCLP EXTRACTS ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626033(4-6)
Sample ID : *03B15762
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	07/08/03	BGL	250.			
Acenaphthylene	ug/l	ND	07/08/03	BGL	250.			
Aniline	ug/l	ND	07/08/03	BGL	500.			
Anthracene	ug/l	ND	07/08/03	BGL	250.			
Benzidine	ug/l	ND	07/08/03	BGL	3500.			
Benzoic Acid	ug/l	ND	07/08/03	BGL	1500.			
Benzo(a)anthracene	ug/l	ND	07/08/03	BGL	250.			
Benzo(a)pyrene	ug/l	ND	07/08/03	BGL	250.			
Benzo(b)fluoranthene	ug/l	ND	07/08/03	BGL	250.			
Benzo(g,h,i)perylene	ug/l	ND	07/08/03	BGL	250.			
Benzo(k)fluoranthene	ug/l	ND	07/08/03	BGL	250.			
Benzyl Alcohol	ug/l	ND	07/08/03	BGL	1000.			
1,1-Biphenyl	ug/l	ND	07/08/03	BGL	500.			
Bis(2-chloroethoxy)methane	ug/l	ND	07/08/03	BGL	500.			
Bis(2-chloroethyl)ether	ug/l	ND	07/08/03	BGL	500.			
Bis(2-chloroisopropyl)ether	ug/l	ND	07/08/03	BGL	500.			
Bis(2-ethylhexyl)phthalate	ug/l	ND	07/08/03	BGL	500.			
4-Bromophenyl phenyl ether	ug/l	ND	07/08/03	BGL	500.			
Butylbenzylphthalate	ug/l	ND	07/08/03	BGL	1000.			
4-Chloroaniline	ug/l	ND	07/08/03	BGL	1000.			
4-Chloro-3-methylphenol	ug/l	ND	07/08/03	BGL	1000.			
2-Chloronaphthalene	ug/l	ND	07/08/03	BGL	500.			
2-Chlorophenol	ug/l	ND	07/08/03	BGL	500.			
4-Chlorophenylphenyl ether	ug/l	ND	07/08/03	BGL	500.			
Chrysene	ug/l	ND	07/08/03	BGL	250.			
Dibenzofuran	ug/l	ND	07/08/03	BGL	500.			
Dibenz(a,h)anthracene	ug/l	ND	07/08/03	BGL	250.			
1,2-Dichlorobenzene	ug/l	ND	07/08/03	BGL	500.			
1,3-Dichlorobenzene	ug/l	ND	07/08/03	BGL	500.			
1,4-Dichlorobenzene	ug/l	ND	07/08/03	BGL	500.			

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LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626033(4-6)
Sample ID : *03B15762
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
3,3-Dichlorobenzidine	ug/l	ND	07/08/03	BGL	250.			
2,4-Dichlorophenol	ug/l	ND	07/08/03	BGL	500.			
Diethylphthalate	ug/l	ND	07/08/03	BGL	500.			
2,4-Dimethylphenol	ug/l	ND	07/08/03	BGL	2000.			
Dimethylphthalate	ug/l	ND	07/08/03	BGL	1000.			
Di-n-butylphthalate	ug/l	ND	07/08/03	BGL	500.			
Di-n-octylphthalate	ug/l	ND	07/08/03	BGL	1000.			
4,6-Dinitro-2-methylphenol	ug/l	ND	07/08/03	BGL	500.			
2,4-Dinitrophenol	ug/l	ND	07/08/03	BGL	1000.			
2,4-Dinitrotoluene	ug/l	ND	07/08/03	BGL	500.			
2,6-Dinitrotoluene	ug/l	ND	07/08/03	BGL	500.			
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	07/08/03	BGL	500.			
Fluoranthene	ug/l	ND	07/08/03	BGL	250.			
Fluorene	ug/l	ND	07/08/03	BGL	250.			
Hexachlorobenzene	ug/l	ND	07/08/03	BGL	500.			
Hexachlorobutadiene	ug/l	ND	07/08/03	BGL	500.			
Hexachlorocyclopentadiene	ug/l	ND	07/08/03	BGL	500.			
Hexachloroethane	ug/l	ND	07/08/03	BGL	500.			
Indeno(1,2,3-cd)pyrene	ug/l	ND	07/08/03	BGL	250.			
Isophorone	ug/l	ND	07/08/03	BGL	500.			
o-cresol	ug/l	ND	07/08/03	BGL	500.			
m & p-Cresol(s)	ug/l	ND	07/08/03	BGL	1000.			
2-Methylnaphthalene	ug/l	1760.	07/08/03	BGL	250.			
Naphthalene	ug/l	5350.	07/08/03	BGL	250.			
2-Nitroaniline	ug/l	ND	07/08/03	BGL	500.			
3-Nitroaniline	ug/l	ND	07/08/03	BGL	500.			
4-Nitroaniline	ug/l	ND	07/08/03	BGL	500.			
Nitrobenzene	ug/l	ND	07/08/03	BGL	500.			
2-Nitrophenol	ug/l	ND	07/08/03	BGL	500.			

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* = See end of report for comments and notes applying to this sample

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BRIAN NEUMANN
SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626033(4-6)
Sample ID : *03B15762
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
4-Nitrophenol	ug/l	ND	07/08/03	BGL	1000.			
N-Nitrosodimethylamine	ug/l	ND	07/08/03	BGL	500.			
N-Nitrosodiphenylamine	ug/l	ND	07/08/03	BGL	500.			
N-Nitroso-di-n-propylamine	ug/l	ND	07/08/03	BGL	500.			
Pentachlorophenol	ug/l	ND	07/08/03	BGL	500.			
Phenanthrene	ug/l	ND	07/08/03	BGL	250.			
Phenol	ug/l	ND	07/08/03	BGL	500.			
Pyrene	ug/l	ND	07/08/03	BGL	250.			
Pyridine	ug/l	ND	07/08/03	BGL	500.			
1,2,4-Trichlorobenzene	ug/l	ND	07/08/03	BGL	500.			
2,4,5-Trichlorophenol	ug/l	ND	07/08/03	BGL	500.			
2,4,6-Trichlorophenol	ug/l	ND	07/08/03	BGL	500.			

Analytical Method:
SW846 1311/8270
TCLP EXTRACTS ARE EXTRACTED INTO METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(11-12)
Sample ID : 03B15764
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	07/08/03	BGL	25.0			
Acenaphthylene	ug/l	ND	07/08/03	BGL	25.0			
Aniline	ug/l	ND	07/08/03	BGL	50.0			
Anthracene	ug/l	ND	07/08/03	BGL	25.0			
Benzidine	ug/l	ND	07/08/03	BGL	350.			
Benzoic Acid	ug/l	ND	07/08/03	BGL	150.			
Benzo(a)anthracene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(a)pyrene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(b)fluoranthene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(g,h,i)perylene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(k)fluoranthene	ug/l	ND	07/08/03	BGL	25.0			
Benzyl Alcohol	ug/l	ND	07/08/03	BGL	100.			
1,1-Biphenyl	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-chloroethoxy)methane	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-chloroethyl)ether	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-chloroisopropyl)ether	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-ethylhexyl)phthalate	ug/l	ND	07/08/03	BGL	50.0			
4-Bromophenyl phenyl ether	ug/l	ND	07/08/03	BGL	50.0			
Butylbenzylphthalate	ug/l	ND	07/08/03	BGL	100.			
4-Chloroaniline	ug/l	ND	07/08/03	BGL	100.			
4-Chloro-3-methylphenol	ug/l	ND	07/08/03	BGL	100.			
2-Chloronaphthalene	ug/l	ND	07/08/03	BGL	50.0			
2-Chlorophenol	ug/l	ND	07/08/03	BGL	50.0			
4-Chlorophenylphenyl ether	ug/l	ND	07/08/03	BGL	50.0			
Chrysene	ug/l	ND	07/08/03	BGL	25.0			
Dibenzofuran	ug/l	ND	07/08/03	BGL	50.0			
Dibenz(a,h)anthracene	ug/l	ND	07/08/03	BGL	25.0			
1,2-Dichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
1,3-Dichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
1,4-Dichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(11-12)
Sample ID : 03B15764
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
3,3-Dichlorobenzidine	ug/l	ND	07/08/03	BGL	25.0			
2,4-Dichlorophenol	ug/l	ND	07/08/03	BGL	50.0			
Diethylphthalate	ug/l	ND	07/08/03	BGL	50.0			
2,4-Dimethylphenol	ug/l	ND	07/08/03	BGL	200.			
Dimethylphthalate	ug/l	ND	07/08/03	BGL	100.			
Di-n-butylphthalate	ug/l	ND	07/08/03	BGL	50.0			
Di-n-octylphthalate	ug/l	ND	07/08/03	BGL	100.			
4,6-Dinitro-2-methylphenol	ug/l	ND	07/08/03	BGL	50.0			
2,4-Dinitrophenol	ug/l	ND	07/08/03	BGL	100.			
2,4-Dinitrotoluene	ug/l	ND	07/08/03	BGL	50.0			
2,6-Dinitrotoluene	ug/l	ND	07/08/03	BGL	50.0			
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	07/08/03	BGL	50.0			
Fluoranthene	ug/l	ND	07/08/03	BGL	25.0			
Fluorene	ug/l	ND	07/08/03	BGL	25.0			
Hexachlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
Hexachlorobutadiene	ug/l	ND	07/08/03	BGL	50.0			
Hexachlorocyclopentadiene	ug/l	ND	07/08/03	BGL	50.0			
Hexachloroethane	ug/l	ND	07/08/03	BGL	50.0			
Indeno(1,2,3-cd)pyrene	ug/l	ND	07/08/03	BGL	25.0			
Isophorone	ug/l	ND	07/08/03	BGL	50.0			
o-cresol	ug/l	ND	07/08/03	BGL	50.0			
m & p-Cresol(s)	ug/l	ND	07/08/03	BGL	100.			
2-Methylnaphthalene	ug/l	ND	07/08/03	BGL	25.0			
Naphthalene	ug/l	ND	07/08/03	BGL	25.0			
2-Nitroaniline	ug/l	ND	07/08/03	BGL	50.0			
3-Nitroaniline	ug/l	ND	07/08/03	BGL	50.0			
4-Nitroaniline	ug/l	ND	07/08/03	BGL	50.0			
Nitrobenzene	ug/l	ND	07/08/03	BGL	50.0			
2-Nitrophenol	ug/l	ND	07/08/03	BGL	50.0			

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(11-12)
Sample ID : 03B15764
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
4-Nitrophenol	ug/l	ND	07/08/03	BGL	100.			
N-Nitrosodimethylamine	ug/l	ND	07/08/03	BGL	50.0			
N-Nitrosodiphenylamine	ug/l	ND	07/08/03	BGL	50.0			
N-Nitroso-di-n-propylamine	ug/l	ND	07/08/03	BGL	50.0			
Pentachlorophenol	ug/l	ND	07/08/03	BGL	50.0			
Phenanthrene	ug/l	ND	07/08/03	BGL	25.0			
Phenol	ug/l	ND	07/08/03	BGL	50.0			
Pyrene	ug/l	ND	07/08/03	BGL	25.0			
Pyridine	ug/l	ND	07/08/03	BGL	50.0			
1,2,4-Trichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
2,4,5-Trichlorophenol	ug/l	ND	07/08/03	BGL	50.0			
2,4,6-Trichlorophenol	ug/l	ND	07/08/03	BGL	50.0			

Analytical Method:
SW846 1311/8270
TCLP EXTRACTS ARE EXTRACTED INTO METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(4-6)
Sample ID : 03B15763
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	07/08/03	BGL	25.0			
Acenaphthylene	ug/l	ND	07/08/03	BGL	25.0			
Aniline	ug/l	ND	07/08/03	BGL	50.0			
Anthracene	ug/l	ND	07/08/03	BGL	25.0			
Benzidine	ug/l	ND	07/08/03	BGL	350.			
Benzoic Acid	ug/l	ND	07/08/03	BGL	150.			
Benzo(a)anthracene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(a)pyrene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(b)fluoranthene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(g,h,i)perylene	ug/l	ND	07/08/03	BGL	25.0			
Benzo(k)fluoranthene	ug/l	ND	07/08/03	BGL	25.0			
Benzyl Alcohol	ug/l	ND	07/08/03	BGL	100.			
1,1-Biphenyl	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-chloroethoxy)methane	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-chloroethyl)ether	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-chloroisopropyl)ether	ug/l	ND	07/08/03	BGL	50.0			
Bis(2-ethylhexyl)phthalate	ug/l	116.	07/08/03	BGL	50.0			
4-Bromophenyl phenyl ether	ug/l	ND	07/08/03	BGL	50.0			
Butylbenzylphthalate	ug/l	ND	07/08/03	BGL	100.			
4-Chloroaniline	ug/l	ND	07/08/03	BGL	100.			
4-Chloro-3-methylphenol	ug/l	ND	07/08/03	BGL	100.			
2-Chloronaphthalene	ug/l	ND	07/08/03	BGL	50.0			
2-Chlorophenol	ug/l	ND	07/08/03	BGL	50.0			
4-Chlorophenylphenyl ether	ug/l	ND	07/08/03	BGL	50.0			
Chrysene	ug/l	ND	07/08/03	BGL	25.0			
Dibenzofuran	ug/l	ND	07/08/03	BGL	50.0			
Dibenz(a,h)anthracene	ug/l	ND	07/08/03	BGL	25.0			
1,2-Dichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
1,3-Dichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
1,4-Dichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(4-6)
Sample ID : 03B15763
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
3,3-Dichlorobenzidine	ug/l	ND	07/08/03	BGL	25.0			
2,4-Dichlorophenol	ug/l	ND	07/08/03	BGL	50.0			
Diethylphthalate	ug/l	ND	07/08/03	BGL	50.0			
2,4-Dimethylphenol	ug/l	ND	07/08/03	BGL	200.			
Dimethylphthalate	ug/l	ND	07/08/03	BGL	100.			
Di-n-butylphthalate	ug/l	90.5	07/08/03	BGL	50.0			
Di-n-octylphthalate	ug/l	ND	07/08/03	BGL	100.			
4,6-Dinitro-2-methylphenol	ug/l	ND	07/08/03	BGL	50.0			
2,4-Dinitrophenol	ug/l	ND	07/08/03	BGL	100.			
2,4-Dinitrotoluene	ug/l	ND	07/08/03	BGL	50.0			
2,6-Dinitrotoluene	ug/l	ND	07/08/03	BGL	50.0			
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	07/08/03	BGL	50.0			
Fluoranthene	ug/l	ND	07/08/03	BGL	25.0			
Fluorene	ug/l	ND	07/08/03	BGL	25.0			
Hexachlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
Hexachlorobutadiene	ug/l	ND	07/08/03	BGL	50.0			
Hexachlorocyclopentadiene	ug/l	ND	07/08/03	BGL	50.0			
Hexachloroethane	ug/l	ND	07/08/03	BGL	50.0			
Indeno(1,2,3-cd)pyrene	ug/l	ND	07/08/03	BGL	25.0			
Isophorone	ug/l	ND	07/08/03	BGL	50.0			
o-cresol	ug/l	ND	07/08/03	BGL	50.0			
m & p-Cresol(s)	ug/l	ND	07/08/03	BGL	100.			
2-Methylnaphthalene	ug/l	311.	07/08/03	BGL	25.0			
Naphthalene	ug/l	2180.	07/08/03	BGL	25.0			
2-Nitroaniline	ug/l	ND	07/08/03	BGL	50.0			
3-Nitroaniline	ug/l	ND	07/08/03	BGL	50.0			
4-Nitroaniline	ug/l	ND	07/08/03	BGL	50.0			
Nitrobenzene	ug/l	ND	07/08/03	BGL	50.0			
2-Nitrophenol	ug/l	ND	07/08/03	BGL	50.0			

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03
Field Sample # : SB0626034(4-6)
Sample ID : 03B15763
Sampled : 6/26/03
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
4-Nitrophenol	ug/l	ND	07/08/03	BGL	100.			
N-Nitrosodimethylamine	ug/l	ND	07/08/03	BGL	50.0			
N-Nitrosodiphenylamine	ug/l	ND	07/08/03	BGL	50.0			
N-Nitroso-di-n-propylamine	ug/l	ND	07/08/03	BGL	50.0			
Pentachlorophenol	ug/l	ND	07/08/03	BGL	50.0			
Phenanthrene	ug/l	ND	07/08/03	BGL	25.0			
Phenol	ug/l	ND	07/08/03	BGL	50.0			
Pyrene	ug/l	ND	07/08/03	BGL	25.0			
Pyridine	ug/l	ND	07/08/03	BGL	50.0			
1,2,4-Trichlorobenzene	ug/l	ND	07/08/03	BGL	50.0			
2,4,5-Trichlorophenol	ug/l	ND	07/08/03	BGL	50.0			
2,4,6-Trichlorophenol	ug/l	ND	07/08/03	BGL	50.0			

Analytical Method:
SW846 1311/8270
TCLP EXTRACTS ARE EXTRACTED INTO METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS

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Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

The following notes were attached to the reported analysis :

Sample ID: * 03B15762
Analysis: 8270 water

Higher detection limit due to matrix interference.

Sample ID: * 03B15762
Analysis: Benzidine

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: Benzyl Alcohol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: Bis(2-chloroisopropyl)ether

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: 4-Chloro-3-methylphenol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: 3,3-Dichlorobenzidine

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: Dimethylphthalate

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: 4,6-Dinitro-2-methylphenol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: 2,4-Dinitrophenol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

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LATHAM, NY 12110

Purchase Order No.: 820131-06000000

Project Location: FLAGSHIP
Date Received: 7/1/03

LIMS-BAT #: LIMS-72254
Job Number: 820131-0600000

Sample ID: * 03B15762
Analysis: Hexachlorocyclopentadiene

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

Sample ID: * 03B15762
Analysis: Naphthalene

VARIATION IN PERCENT RECOVERY ATTRIBUTED TO MAGNITUDE DIFFERENCE BETWEEN SPIKE AND SAMPLE LEVELS. CONTROL LIMITS ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT APPLICABLE.

** END OF REPORT **

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ND = Not Detected

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39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 7/10/03 Lims Bat # : LIMS-72254

QC Batch Number: GCMS/SEMI-4989

Sample Id	Analysis	QC Analysis	Values	Units	Limits
03B15762					
	1,4-Dichlorobenzene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	400.00	ug/l	
		Matrix Spike % Rec.	40.00	%	30-130
	Naphthalene	Sample Amount	5350.00	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1920.00	ug/l	
		Matrix Spike % Rec.	-343.00	%	30-130
	1,2-Dichlorobenzene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	621.00	ug/l	
		Matrix Spike % Rec.	62.10	%	30-130
	1,3-Dichlorobenzene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	406.20	ug/l	
		Matrix Spike % Rec.	40.62	%	30-130
	Acenaphthene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	726.60	ug/l	
		Matrix Spike % Rec.	72.66	%	40-140
	Acenaphthylene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	765.80	ug/l	
		Matrix Spike % Rec.	76.58	%	40-140
	Aniline	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1065.60	ug/l	
		Matrix Spike % Rec.	106.56	%	
	Anthracene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	884.20	ug/l	
		Matrix Spike % Rec.	88.42	%	40-140
	Benzidine	Sample Amount	<3500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	20.00	ug/l	
		Matrix Spike % Rec.	2.00	%	
	Benzo(a)anthracene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.000	ug/l	
		MS Amt Measured	1271.100	ug/l	
		Matrix Spike % Rec.	127.110	%	40-140
	Benzo(a)pyrene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.000	ug/l	
		MS Amt Measured	1072.100	ug/l	

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03B15762					
	Benzo(a)pyrene	Matrix Spike % Rec.	107.210	%	40-140
	Benzo(b)fluoranthene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.000	ug/l	
		MS Amt Measured	1290.900	ug/l	
		Matrix Spike % Rec.	129.090	%	40-140
	Benzo(g,h,i)perylene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.000	ug/l	
		MS Amt Measured	603.900	ug/l	
		Matrix Spike % Rec.	60.390	%	30-130
	Benzoic Acid	Sample Amount	<1500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	415.80	ug/l	
		Matrix Spike % Rec.	41.58	%	
	Benzyl Alcohol	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	339.50	ug/l	
		Matrix Spike % Rec.	33.95	%	
	Bis(2-chloroethyl)ether	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1016.40	ug/l	
		Matrix Spike % Rec.	101.64	%	30-130
	Bis(2-chloroethoxy)methane	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	782.60	ug/l	
		Matrix Spike % Rec.	78.26	%	
	Bis(2-chloroisopropyl)ether	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	281.60	ug/l	
		Matrix Spike % Rec.	28.16	%	30-130
	Bis(2-ethylhexyl)phthalate	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1184.00	ug/l	
		Matrix Spike % Rec.	118.40	%	40-140
	4-Bromophenyl phenyl ether	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	779.70	ug/l	
		Matrix Spike % Rec.	77.97	%	
	Butylbenzylphthalate	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	775.20	ug/l	
		Matrix Spike % Rec.	77.52	%	
	4-Chloroaniline	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	

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03B15762					
	4-Chloroaniline	MS Amt Measured	852.20	ug/l	
		Matrix Spike % Rec.	85.22	%	40-140
	2-Chloronaphthalene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	738.30	ug/l	
		Matrix Spike % Rec.	73.83	%	
	4-Chlorophenylphenyl ether	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	657.60	ug/l	
		Matrix Spike % Rec.	65.76	%	
	Chrysene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	832.80	ug/l	
		Matrix Spike % Rec.	83.28	%	40-140
	Dibenz(a,h)anthracene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.000	ug/l	
		MS Amt Measured	694.300	ug/l	
		Matrix Spike % Rec.	69.430	%	30-130
	Dibenzofuran	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	754.70	ug/l	
		Matrix Spike % Rec.	75.47	%	40-140
	3,3-Dichlorobenzidine	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	211.00	ug/l	
		Matrix Spike % Rec.	21.10	%	40-140
	Diethylphthalate	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	514.00	ug/l	
		Matrix Spike % Rec.	51.40	%	30-130
	Dimethylphthalate	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	207.80	ug/l	
		Matrix Spike % Rec.	20.78	%	10-130
	Di-n-butylphthalate	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	853.90	ug/l	
		Matrix Spike % Rec.	85.39	%	40-140
	2,4-Dinitrotoluene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	700.20	ug/l	
		Matrix Spike % Rec.	70.02	%	40-140
	2,6-Dinitrotoluene	Sample Amount	<500.	ug/l	

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03B15762					
	2,6-Dinitrotoluene	Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	760.70	ug/l	
		Matrix Spike % Rec.	76.07	%	40-140
	1,2-Diphenylhydrazine (as Azobenzene)	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	818.40	ug/l	
		Matrix Spike % Rec.	81.84	%	
	Di-n-octylphthalate	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1283.70	ug/l	
		Matrix Spike % Rec.	128.37	%	
	Fluoranthene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	875.80	ug/l	
		Matrix Spike % Rec.	87.58	%	40-140
	Fluorene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	772.00	ug/l	
		Matrix Spike % Rec.	77.20	%	40-140
	Hexachlorobenzene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	921.80	ug/l	
		Matrix Spike % Rec.	92.18	%	40-140
	Hexachlorobutadiene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1171.00	ug/l	
		Matrix Spike % Rec.	117.10	%	20-130
	Hexachlorocyclopentadiene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	70.10	ug/l	
		Matrix Spike % Rec.	7.01	%	10-130
	Hexachloroethane	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	666.80	ug/l	
		Matrix Spike % Rec.	66.68	%	20-130
	Indeno(1,2,3-cd)pyrene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.000	ug/l	
		MS Amt Measured	764.400	ug/l	
		Matrix Spike % Rec.	76.440	%	40-140
	Isophorone	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1047.80	ug/l	
		Matrix Spike % Rec.	104.78	%	40-140

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03B15762					
	2-Methylnaphthalene	Sample Amount	1765.00	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	2514.20	ug/l	
		Matrix Spike % Rec.	74.92	%	30-130
	2-Nitroaniline	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	721.10	ug/l	
		Matrix Spike % Rec.	72.11	%	
	3-Nitroaniline	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	595.30	ug/l	
		Matrix Spike % Rec.	59.53	%	
	Nitrobenzene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	929.60	ug/l	
		Matrix Spike % Rec.	92.96	%	30-130
	N-Nitrosodimethylamine	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	401.20	ug/l	
		Matrix Spike % Rec.	40.12	%	
	N-Nitroso-di-n-propylamine	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	402.00	ug/l	
		Matrix Spike % Rec.	40.20	%	
	N-Nitrosodiphenylamine	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	818.70	ug/l	
		Matrix Spike % Rec.	81.87	%	
	Phenanthrene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	928.70	ug/l	
		Matrix Spike % Rec.	92.87	%	40-140
	Pyrene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	435.70	ug/l	
		Matrix Spike % Rec.	43.57	%	40-140
	1,2,4-Trichlorobenzene	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	984.90	ug/l	
		Matrix Spike % Rec.	98.49	%	30-130
	4-Chloro-3-methylphenol	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1400.00	ug/l	

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03B15762					
	4-Chloro-3-methylphenol	Matrix Spike % Rec.	140.00	%	
	2-Chlorophenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	679.60	ug/l	
		Matrix Spike % Rec.	67.96	%	30-130
	2,4-Dichlorophenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1063.50	ug/l	
		Matrix Spike % Rec.	106.35	%	30-130
	2,4-Dimethylphenol	Sample Amount	<2000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	348.90	ug/l	
		Matrix Spike % Rec.	34.89	%	30-130
	4,6-Dinitro-2-methylphenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	80.50	ug/l	
		Matrix Spike % Rec.	8.05	%	
	2,4-Dinitrophenol	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	132.70	ug/l	
		Matrix Spike % Rec.	13.27	%	10-130
	o-cresol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	564.40	ug/l	
		Matrix Spike % Rec.	56.44	%	30-130
	m & p-Cresol(s)	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	415.00	ug/l	
		Matrix Spike % Rec.	41.50	%	30-130
	2-Nitrophenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	728.30	ug/l	
		Matrix Spike % Rec.	72.83	%	30-130
	4-Nitrophenol	Sample Amount	<1000.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	689.60	ug/l	
		Matrix Spike % Rec.	68.96	%	
	Phenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	487.50	ug/l	
		Matrix Spike % Rec.	48.75	%	20-130
	2,4,5-Trichlorophenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	

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03B15762					
	2,4,5-Trichlorophenol	MS Amt Measured	943.70	ug/l	
		Matrix Spike % Rec.	94.37	%	30-130
	2,4,6-Trichlorophenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	913.00	ug/l	
		Matrix Spike % Rec.	91.30	%	30-130
	Pentachlorophenol	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	1202.80	ug/l	
		Matrix Spike % Rec.	120.28	%	30-130
	Pyridine	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.0	ug/l	
		MS Amt Measured	406.3	ug/l	
		Matrix Spike % Rec.	40.6	%	20-130
	Benzo(k)fluoranthene	Sample Amount	<250.	ug/l	
		Matrix Spk Amt Added	1000.000	ug/l	
		MS Amt Measured	1140.600	ug/l	
		Matrix Spike % Rec.	114.060	%	40-140
	4-Nitroaniline	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	673.90	ug/l	
		Matrix Spike % Rec.	67.39	%	
	Phenol-d6	Surrogate Recovery	39.5	%	15-110
	Nitrobenzene-d5	Surrogate Recovery	93.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	130.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	97.0	%	15-110
	Terphenyl-d14	Surrogate Recovery	154.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	54.0	%	15-110
	1,1-Biphenyl	Sample Amount	<500.	ug/l	
		Matrix Spk Amt Added	1000.00	ug/l	
		MS Amt Measured	166.20	ug/l	
		Matrix Spike % Rec.	16.62	%	
03B15763					
	Phenol-d6	Surrogate Recovery	20.6	%	15-110
	Nitrobenzene-d5	Surrogate Recovery	64.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	78.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	78.0	%	15-110
	Terphenyl-d14	Surrogate Recovery	109.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	23.5	%	15-110
03B15764					
	Phenol-d6	Surrogate Recovery	23.5	%	15-110
	Nitrobenzene-d5	Surrogate Recovery	41.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.0	%	30-130

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03B15764					
	2,4,6-Tribromophenol	Surrogate Recovery	58.5	%	15-110
	Terphenyl-d14	Surrogate Recovery	105.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	32.7	%	15-110
BLANK-51763					
	1,4-Dichlorobenzene	Blank	<50.0	ug/l	
	Naphthalene	Blank	<25.0	ug/l	
	1,2-Dichlorobenzene	Blank	<50.0	ug/l	
	1,3-Dichlorobenzene	Blank	<50.0	ug/l	
	Acenaphthene	Blank	<25.0	ug/l	
	Acenaphthylene	Blank	<25.0	ug/l	
	Aniline	Blank	<50.0	ug/l	
	Anthracene	Blank	<25.0	ug/l	
	Benzidine	Blank	<350.	ug/l	
	Benzo(a)anthracene	Blank	<25.0	ug/l	
	Benzo(a)pyrene	Blank	<25.0	ug/l	
	Benzo(b)fluoranthene	Blank	<25.0	ug/l	
	Benzo(g,h,i)perylene	Blank	<25.0	ug/l	
	Benzoic Acid	Blank	<150.	ug/l	
	Benzyl Alcohol	Blank	<100.	ug/l	
	Bis(2-chloroethyl)ether	Blank	<50.0	ug/l	
	Bis(2-chloroethoxy)methane	Blank	<50.0	ug/l	
	Bis(2-chloroisopropyl)ether	Blank	<50.0	ug/l	
	Bis(2-ethylhexyl)phthalate	Blank	<50.0	ug/l	
	4-Bromophenyl phenyl ether	Blank	<50.0	ug/l	
	Butylbenzylphthalate	Blank	<100.	ug/l	
	4-Chloroaniline	Blank	<100.	ug/l	
	2-Chloronaphthalene	Blank	<50.0	ug/l	
	4-Chlorophenylphenyl ether	Blank	<50.0	ug/l	
	Chrysene	Blank	<25.0	ug/l	
	Dibenz(a,h)anthracene	Blank	<25.0	ug/l	
	Dibenzofuran	Blank	<50.0	ug/l	
	3,3-Dichlorobenzidine	Blank	<25.0	ug/l	
	Diethylphthalate	Blank	<50.0	ug/l	
	Dimethylphthalate	Blank	<100.	ug/l	
	Di-n-butylphthalate	Blank	<50.0	ug/l	
	2,4-Dinitrotoluene	Blank	<50.0	ug/l	
	2,6-Dinitrotoluene	Blank	<50.0	ug/l	
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<50.0	ug/l	
	Di-n-octylphthalate	Blank	<100.	ug/l	
	Fluoranthene	Blank	<25.0	ug/l	
	Fluorene	Blank	<25.0	ug/l	
	Hexachlorobenzene	Blank	<50.0	ug/l	
	Hexachlorobutadiene	Blank	<50.0	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 7/10/03 Lims Bat # : LIMS-72254

QC Batch Number: GCMS/SEMI-4989

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-51763					
	Hexachlorocyclopentadiene	Blank	<50.0	ug/l	
	Hexachloroethane	Blank	<50.0	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<25.0	ug/l	
	Isophorone	Blank	<50.0	ug/l	
	2-Methylnaphthalene	Blank	<25.0	ug/l	
	2-Nitroaniline	Blank	<50.0	ug/l	
	3-Nitroaniline	Blank	<50.0	ug/l	
	Nitrobenzene	Blank	<50.0	ug/l	
	N-Nitrosodimethylamine	Blank	<50.0	ug/l	
	N-Nitroso-di-n-propylamine	Blank	<50.0	ug/l	
	N-Nitrosodiphenylamine	Blank	<50.0	ug/l	
	Phenanthrene	Blank	<25.0	ug/l	
	Pyrene	Blank	<25.0	ug/l	
	1,2,4-Trichlorobenzene	Blank	<50.0	ug/l	
	4-Chloro-3-methylphenol	Blank	<100.	ug/l	
	2-Chlorophenol	Blank	<50.0	ug/l	
	2,4-Dichlorophenol	Blank	<50.0	ug/l	
	2,4-Dimethylphenol	Blank	<200.	ug/l	
	4,6-Dinitro-2-methylphenol	Blank	<50.0	ug/l	
	2,4-Dinitrophenol	Blank	<100.	ug/l	
	o-cresol	Blank	<50.0	ug/l	
	m & p-Cresol(s)	Blank	<100.	ug/l	
	2-Nitrophenol	Blank	<50.0	ug/l	
	4-Nitrophenol	Blank	<100.	ug/l	
	Phenol	Blank	<50.0	ug/l	
	2,4,5-Trichlorophenol	Blank	<50.0	ug/l	
	2,4,6-Trichlorophenol	Blank	<50.0	ug/l	
	Pentachlorophenol	Blank	<50.0	ug/l	
	Pyridine	Blank	<50.0	ug/l	
	Benzo(k)fluoranthene	Blank	<25.0	ug/l	
	4-Nitroaniline	Blank	<50.0	ug/l	
	1,1-Biphenyl	Blank	<50.0	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 7/10/03 Lims Bat # : LIMS-72254

QC Batch Number: GCMS/VOL-8629

Sample Id	Analysis	QC Analysis	Values	Units	Limits
03B15762					
	1,2-Dichloroethane-d4	Surrogate Recovery	78.8	%	70-130
	Toluene-d8	Surrogate Recovery	93.9	%	70-130
	Bromofluorobenzene	Surrogate Recovery	108.8	%	70-130
03B15763					
	1,2-Dichloroethane-d4	Surrogate Recovery	72.4	%	70-130
	Toluene-d8	Surrogate Recovery	81.7	%	70-130
	Bromofluorobenzene	Surrogate Recovery	108.8	%	70-130
03B15764					
	1,2-Dichloroethane-d4	Surrogate Recovery	96.6	%	70-130
	Toluene-d8	Surrogate Recovery	82.1	%	70-130
	Bromofluorobenzene	Surrogate Recovery	95.8	%	70-130
BLANK-51742					
	Acetone	Blank	<10.0	ug/l	
	Benzene	Blank	<0.6	ug/l	
	Carbon Tetrachloride	Blank	<0.5	ug/l	
	Chloroform	Blank	<0.8	ug/l	
	1,2-Dichloroethane	Blank	<0.9	ug/l	
	1,4-Dichlorobenzene	Blank	<0.8	ug/l	
	Ethyl Benzene	Blank	<0.6	ug/l	
	2-Butanone (MEK)	Blank	<10.0	ug/l	
	MIBK	Blank	<8.8	ug/l	
	Naphthalene	Blank	<1.0	ug/l	
	Styrene	Blank	<0.7	ug/l	
	Tetrachloroethylene	Blank	<0.4	ug/l	
	Toluene	Blank	<0.7	ug/l	
	1,1,1-Trichloroethane	Blank	<0.9	ug/l	
	Trichloroethylene	Blank	<1.0	ug/l	
	Trichlorofluoromethane	Blank	<0.7	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	m + p Xylene	Blank	<1.3	ug/l	
	1,2-Dichlorobenzene	Blank	<0.8	ug/l	
	1,3-Dichlorobenzene	Blank	<0.6	ug/l	
	1,1-Dichloroethane	Blank	<0.7	ug/l	
	1,1-Dichloroethylene	Blank	<0.6	ug/l	
	MTBE	Blank	<0.8	ug/l	
	trans-1,2-Dichloroethylene	Blank	<0.8	ug/l	
	Vinyl Chloride	Blank	<0.3	ug/l	
	Methylene Chloride	Blank	<3.0	ug/l	
	Chlorobenzene	Blank	<0.6	ug/l	
	Chloromethane	Blank	<1.2	ug/l	
	Bromomethane	Blank	<1.2	ug/l	
	Chloroethane	Blank	<0.8	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 7/10/03 Lims Bat # : LIMS-72254

QC Batch Number: GCMS/VOL-8629

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-51742					
	trans-1,3-Dichloropropene	Blank	<0.4	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<0.7	ug/l	
	2-Chloroethylvinylether	Blank	<9.6	ug/l	
	Bromoform	Blank	<1.2	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<0.6	ug/l	
	Hexachlorobutadiene	Blank	<1.3	ug/l	
	Isopropylbenzene	Blank	<0.4	ug/l	
	p-Isopropyltoluene	Blank	<0.7	ug/l	
	n-Propylbenzene	Blank	<0.8	ug/l	
	sec-Butylbenzene	Blank	<0.6	ug/l	
	tert-Butylbenzene	Blank	<0.8	ug/l	
	1,2,3-Trichlorobenzene	Blank	<0.7	ug/l	
	1,2,4-Trichlorobenzene	Blank	<0.7	ug/l	
	1,2,4-Trimethylbenzene	Blank	<0.7	ug/l	
	1,3,5-Trimethylbenzene	Blank	<1.0	ug/l	
	Dibromomethane	Blank	<1.1	ug/l	
	cis-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	4-Chlorotoluene	Blank	<0.6	ug/l	
	1,1-Dichloropropene	Blank	<0.5	ug/l	
	1,2-Dichloropropane	Blank	<0.6	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<0.9	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<0.5	ug/l	
	1,2,3-Trichloropropane	Blank	<1.3	ug/l	
	n-Butylbenzene	Blank	<0.7	ug/l	
	Dichlorodifluoromethane	Blank	<1.0	ug/l	
	Bromochloromethane	Blank	<0.7	ug/l	
	Bromobenzene	Blank	<0.5	ug/l	
	Iodomethane	Blank	<0.8	ug/l	
	Acrolein	Blank	<20.0	ug/l	
	Acrylonitrile	Blank	<0.5	ug/l	
	Carbon Disulfide	Blank	<3.0	ug/l	
	Vinyl Acetate	Blank	<16.4	ug/l	
	2-Hexanone	Blank	<9.7	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<2.1	ug/l	
	Ethyl Methacrylate	Blank	<0.8	ug/l	
	cis-1,4-Dichloro-2-Butene	Blank	<2.4	ug/l	
	Diethyl Ether	Blank	<2.0	ug/l	
	Bromodichloromethane	Blank	<0.4	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<1.6	ug/l	
	1,2-Dibromoethane	Blank	<0.7	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 7/10/03 Lims Bat # : LIMS-72254

QC Batch Number: GCMS/VOL-8629

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-51742					
	Tetrahydrofuran	Blank	<5.0	ug/l	
	tert-Butyl Alcohol	Blank	<20.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

NOTES:

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : 2,4-Dinitrophenol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : 3,3-Dichlorobenzidine

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : 4,6-Dinitro-2-methylphenol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : 4-Chloro-3-methylphenol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : Benzidine

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : Benzyl Alcohol

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : Bis(2-chloroisopropyl)ether

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : Dimethylphthalate

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : Hexachlorocyclopentadiene

MATRIX SPIKE CONTROL LIMITS ARE NOT APPLICABLE TO THIS MATRIX.

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
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QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : Naphthalene

VARIATION IN PERCENT RECOVERY ATTRIBUTED TO MAGNITUDE DIFFERENCE BETWEEN SPIKE AND SAMPLE LEVELS. CONTROL LIMITS ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT APPLICABLE.

QC Batch No. : GCMS/SEMI-4989
Sample ID : 03B15762
Analysis : Terphenyl-d14

SURROGATE RECOVERY OUTSIDE OF CON-TEST CONTROL LIMITS, BUT WITHIN METHOD REQUIREMENTS.

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FAX (413) 525-6405

CHAIN OF CUSTODY RECORD

39 SPRUCE ST. • 2ND FLOOR • EAST LONGMEADOW, MA 01028

Client Name: SHAW E&I
Attn: BRIAN NEUMANN
Address: 13 BRITISHAM, BLVD
LATHAM, NY 12110
Site Location: FLAGSHIP
Sampled: By: BRIAN NEUMANN
Call Results: Yes ___ No X
Fax OR Email Results: Fax#: ___ Email Address: ___

Telephone: 518-783-6088 x225
Batch #: ___
Project #: 820131-06000000
Client P.O. #: SAME
Email Format: ___.pdf format X.xls format

dino # 72254

Total # of Containers submitted with this chain: ___

Field Sample I.D.	Sample Description	Lab # 038	DATE SAMPLED Start Date/Time	DATE SAMPLED Stop Date/Time	Composite	Grab	MATRIX WASTE WATER	MATRIX GROUND WATER	MATRIX DKG WATER	MATRIX Soil	MATRIX Air	MATRIX *Other	Preservative (Use Code)	Container (Use Code)	Analysis Required: TCLP 8260 (1 JAR 4)	Analysis Required: TCLP 8270 (1 JAR 4)
	SB0626033(4'-6')	~~72254~~ 15762	6/26/03	1540	X					X			NO		✓	✓
	SB0626034(4'-6')	~~72255~~ 15763	6/26/03	1645	X					X			NO		✓	✓
	SB0626034(11'-12') (MS)	~~72256~~ 15764	6/26/03	1620	X					X			NO		✓	✓

CONTAINER CODE
P: PLASTIC (___ Size) V = 40 ml vial G = Glass (___ size) A = 1000 ml Amber 0 = Other ___

PRESERVATIVE CODE:
I = ICED N = HNO_3 H = HCl S = NaOH T = $Na_2S_2O_3$ O = OTHER ___

Relinquished by: (Signature)	Date Time	Received by: (Signature)
[signature]	6/30/03 @ 1100	[signature] 0945 7/1/3
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received by: (Signature)

If this section is not filled out, Con-Test will analyze at normal turnaround.
Turnaround Requested: ___ 24-Hour ___ 48-Hour ___ Normal
___ Other ___ Date Required

Remarks/Comments:

*MATRIX OTHER ___

Detection Limit Requests:
Regulations?
SIMS: ___ Yes ___ No

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QC SUMMARY REPORT

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries