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Environment

Gail A. Dieter - Environmental Chemist 2
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau E, Section B
625 Broadway, 12th Floor
Albany, NY 12233-7017

Subject: Almy Brothers
June 2011 Groundwater Sampling Results
Site #704021

Date:
November 11, 2011

Contact:
Bruce Nelson

Phone:
518.250.7360

Email:
Bruce.nelson@arcadis-us.com

Our ref:
00266389.0000

Dear Ms. Dieter:

This letter provides a summary of the groundwater sampling event conducted at the above-referenced site on June 13, 2011 (Figure 1). The sampling event was conducted in accordance with the Work Assignment (D004443-18) and in consultation with New York State Department of Environmental Conservation (NYSDEC). The purpose of the sampling event was to evaluate the horizontal and vertical extent of groundwater contamination in the existing monitoring well network (Figure 2).

Groundwater Monitoring Well Inspections

Existing on-site groundwater monitoring wells were visually evaluated for integrity and suitability for groundwater monitoring and water levels. The condition of each well was recorded on a well inspection form, provided in Appendix A. As shown on the well inspection forms, the stick-up protective casing and well cap for monitoring well DGC-6S are damaged and should be repaired. With the exception of a missing well cap for DGC-2S, the condition of the remaining wells (DGC-6D and DGC-8S) is generally acceptable and no additional repair or maintenance is required.

Water Level Survey

Prior to collecting groundwater samples, water levels were measured to the nearest hundredth of a foot and recorded on a groundwater level data form (Appendix B). Table 1 summarizes the groundwater levels and elevations from the site. As shown

in Table 1, groundwater elevations in the shallow groundwater monitoring wells were 834.85-feet above mean sea level (amsl) in DGC-6S, 835.96 feet amsl in DGC-8S, and 836.52 feet amsl in DGC-2. The groundwater elevation in the deep groundwater well (DGC-6D) was 834.34 feet amsl. These data indicate a decrease in groundwater elevations from southwest to northeast. However, as shown in Figure 2, the monitoring well network is arranged in a linear orientation. Therefore, the actual direction of groundwater flow cannot be determined with certainty.

Groundwater Sampling

Groundwater samples were collected from four groundwater monitoring wells (DGC-2, DGC-6S, DGC-6D, and DGC-8) using low-flow groundwater purging and sampling procedures. Prior to collecting groundwater samples, pH, conductivity, turbidity, dissolved oxygen (DO), temperature, salinity, total dissolved solids (TDS), and oxidation-reduction potential (REDOX) were measured using a Horiba U-52 water quality meter and recorded on groundwater sampling purge logs. Groundwater sampling purge logs are presented in Appendix C.

As shown in Appendix C, purged groundwater from monitoring well DGC-6D was initially "pink" in color and subsequently contained a brown precipitate. The purge log indicates that after approximately 100 ml of water was purged from the well, the water was clear. The final turbidity at the time of sampling was 9.3 nephelometric turbidity units (NTU). Based on the initial pink color in the purge water, followed by brown precipitate, permanganate (an oxidizing compound commonly used for reductive de-chlorination of chlorinated VOCs) may have previously been used at the site. This is suspected since dilute permanganate is pink in color and manganese dioxide (a brown precipitate) is a commonly formed during the oxidation process.

Groundwater samples collected during the sampling event were sent to Chemtech – Mountainside, New Jersey by chain-of-custody procedures and analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), TAL metals, herbicides, and pesticides by United States Environmental Protection Agency (USEPA) Methods 8260B, 8270C, 6010B, 8151A, and 8081A, respectively. Analytical data packages are provided in Appendix D.

Groundwater sampling results are summarized in Table 2 (VOCs), Table 3 (SVOCs), Table 4 (Metals), and Table 5 (herbicides and pesticides).

Sampling Results – VOCs

As shown in Table 2, benzene was detected in the samples from monitoring wells DGC-6S (2.7 microgram per liter (ug/L)) and DGC-8S (4.8 ug/L) at concentrations greater than the corresponding NYSDEC Class GA Standard of 1 ug/L. Table 2 shows that these concentrations are significantly lower than the historical benzene results reported in samples from these wells.

The groundwater samples collected from monitoring well DGC-6D contained cis-1,2-dichloroethene (cis-1,2-DCE) (64 ug/L), methyl tert-butyl ether (MTBE) (20 ug/L), tetrachloroethene (PCE) (7.7 ug/L), trichloroethene (TCE) (12 ug/L), and vinyl chloride (VC) (2.3 ug/L) at concentrations greater than the applicable NYSDEC Class GA standards and/or Guidance Values of 5 ug/l (cis-1,2-DCE, PCE, and TCE), 10 ug/L (MTBE), and 2 ug/L (VC).

Table 2 shows that no other VOCs were detected at concentrations greater than the indicated NYSDEC Class GA Standard and/or Guidance Values.

Sampling Results – SVOCs

Table 3 shows that none of the groundwater samples contained concentrations of SVOCs greater than the applicable NYSDEC Class GA Standard.

Sampling Results – Metals

Table 4 shows that the iron concentrations in the groundwater samples from DGC-2S, DGC-6S, and DGC-8S were 5,080 ug/L, 18,200 ug/L, and 5,750 ug/L, respectively. As shown in Table 4, these concentrations exceed the corresponding NYSDEC Class GA Standard of 300 ug/L.

Magnesium was detected in the samples from DGC-6S (4,600 ug/L) and DGC-6D (7,280 ug/L) at concentrations that exceed the applicable NYSDEC Class GA Standard of 300 ug/L.

As shown in Table 4, sodium (a common element in road de-icing agents) was detected at concentrations greater than the applicable NYSDEC Class GA Standard of 20,000 ug/L in all of the groundwater monitoring wells at the site. The concentrations of sodium ranged from 31,000 ug/L in the sample from DGC-8S to

105,000 ug/L in the sample from DGC-6D. The elevated concentration of sodium in the sample from DGC-6D could also be indicative of the use of sodium permanganate in the vicinity of this well.

Thallium was detected in the groundwater samples from DGC-2 and DGC-6S at estimated (based on the "J" qualifier) concentrations of 5.9 ug/L and 3 ug/L, respectively. As shown in Table 4, these concentrations exceed the corresponding NYSDEC Class GA standard of 0.5 ug/L.

Sampling Results – Pesticides and Herbicides

Table 5 shows that no pesticides or herbicides were detected in any of the groundwater samples above the indicated laboratory quantitation limits.

Conclusions

The stick-up protective casing and well cap for monitoring well DGC-6S is damaged. The well cap for DGC-2S is missing. The condition of the remaining wells in the monitoring network is generally acceptable and no additional repairs are proposed.

Based on water level data, there is a general trend in the direction of groundwater flow from south to north. Since the well locations only provide the hydraulic gradient over a linear area, the exact direction of groundwater flow cannot be determined with certainty.

Groundwater samples collected from wells in the vicinity of the former Almy East building (Figure 2) contained concentrations of benzene, MTBE, and chlorinated VOCs (CVOCs) greater than the applicable NYSDEC Class GA Standards. Based on historical data from wells in this area, the concentrations of petroleum-related compounds have decreased significantly over time. However, PCE, TCE, and VC were not historically detected in samples from this area and may indicate a new (subsequent to the last round of groundwater monitoring in 1999) on- or off-site source of CVOC contamination. Historical groundwater data for the compounds cis-1,2-DCE and MTBE are not available. Therefore, these compounds may have previously been present in groundwater, or their presence may be related to a new source of contamination.

Iron and/or manganese (common elements in soil) were detected in samples from each well at concentrations greater than the respective NYSDEC Class GA Standards. Sodium was detected in all of the groundwater samples at concentrations greater than the applicable NYSDEC Class GA Standard but is expected to be related to road de-icing agents. Thallium was detected in two groundwater monitoring wells at estimated concentrations that exceeded the corresponding NYSDEC Class GA Standard.

None of the groundwater samples contained concentrations of SVOCs greater than the applicable NYSDEC Class GA Standards.

Pesticides and herbicides were not detected in any of the groundwater samples at concentrations above the laboratory quantitation limits.

Recommendations

Monitoring well DGC-6S should be repaired to ensure integrity of the well. The missing well cap for monitoring well DGC-2S should be replaced.

Based on the current well locations, the direction of groundwater flow cannot be determined with certainty. In addition, benzene, MTBE, and several CVOCs were detected above the NYSDEC Class GA Standards. Therefore, it is recommended that additional groundwater monitoring wells be installed to evaluate the direction of groundwater flow and sub-surface soil and groundwater samples collected to assess the horizontal and vertical distribution of VOCs and CVOCS in the vicinity of the site.

Although several metals exceed the NYSDEC GA Standard, these elements (with the exception of thallium) are either common in groundwater or may be related to de-icing agents. Therefore, they should not be considered to be contaminants of concern and no further action or additional sampling is recommended.

Since no SVOCs were detected above the NYSDEC Class GA in any of the groundwater samples, no additional sampling for these compounds is suggested at this time.

Since no pesticides were detected above the laboratory quantitation limits in any of the groundwater samples, no additional groundwater monitoring for these compounds is suggested.

Although no herbicides were detected in any of the groundwater samples above the laboratory quantitation limits, these compounds were historically the contaminant of concern at the site and should continue to be monitored over time.

If you have any questions regarding these data, please feel free to contact me or Jeremy Wyckoff at 518.250.7300.

Sincerely,

ARCADIS-US, Inc.

Bruce R. Nelson - CPG
Associate Vice President

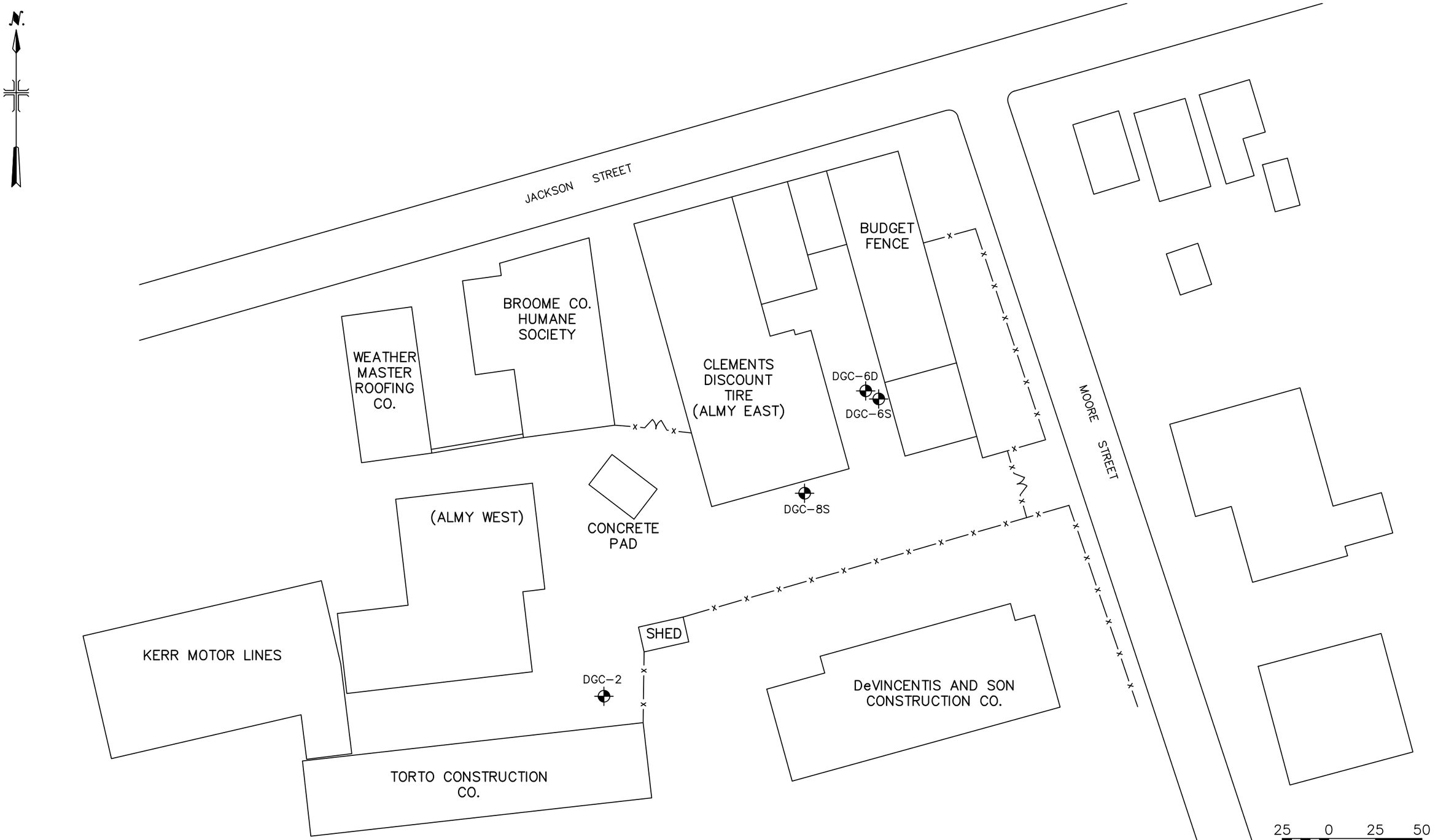
Enclosures

ARCADIS

Figure 1
SITE LOCATION

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
8 Jackson Street, Binghamton, NY
SITE # 704021

0266389



SOURCES: DIGITIZED FROM AERIAL PHOTOGRAPHY OBTAINED FROM GOOGLE EARTH. IMAGERY DATED APRIL 1, 2006 AND NYSDEC ALMY BROTHERS SITE MAP DATED SEPTEMBER 28, 1991.

ARCADIS Infrastructure · Water · Environment · Buildings	NYS DEPARTMENT OF ENVORINMENTAL CONSERVATION ALMY BROTHERS 8 JACKSON ST. , BINGHAMTON, NEW YORK SITE # 704021	SITE PLAN SCALE: 1"=50'	SEPTEMBER 2011 FIGURE 2

Table 1
Groundwater Elevation Data
Almy Brothers
Binghamton, New York
NYSDEC Site No.: 704021

Well ID	Monitored Interval	Measuring Point Elevation (feet)	5/26/2011		6/13/2011	
			DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)
DGC-2	Shallow	842.72	6.12	836.60	6.20	836.52
DGC-6S	Shallow	844.82	9.55	835.27	9.97	834.85
DGC-6D	Deep	844.73	10.06	834.67	10.39	834.34
DGC-8S	Shallow	844.53	9.82	834.71	8.57	835.96

Notes:

Measuring point elevations from: Operation and Maintenance Manual for the Almy Brothers Site, Dunn Geosciences Corp., 1997.

TALBE 2
SUMMARY OF GROUNDWATER DATA (VOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-2 3/12/1998 WATER µg/L	DGC-2 6/25/1998 WATER µg/L	DGC-2 10/20/1998 WATER µg/L	DGC-2 2/9/1999 WATER µg/L	DGC-2 10/19/1999 WATER µg/L	DGC-2 6/13/2011 WATER µg/L
VOCs							
1,1,1-Trichloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
1,1,2,2-Tetrachloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
1,1,2-Trichloroethane	1	10 U	10 U	10 U	10 U	10 U	1 U
1,1,2-Trichlorotrifluoroethane		NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
1,1-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	1 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U
1,2-Dibromo-3-Chloropropane	0.04	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane		NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	10 U	1 U
1,2-Dichloroethene (total)	5	10 U	10 U	10 U	10 U	10 U	NA
1,2-Dichloropropane	1	10 U	10 U	10 U	10 U	10 U	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
2-Butanone (Methyl ethyl ketone)	50	10 U	10 U	10 U	10 U	10 U	5 U
2-Hexanone	50*	10 U	10 U	10 U	10 U	10 U	5 U
4-Methyl-2-Pentanone		10 U	10 U	10 U	10 U	10 U	5 U
Acetone	50*	10 U	10 U	10 U	10 U	**31**	5 U
Benzene	1	10 U	10 U	**5 JN**	10 U	10 U	1 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	1 U
Bromoform	50*	10 U	10 U	10 U	10 U	10 U	1 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	1 U
Carbon Disulfide	60*	10 U	10 U	10 U	10 U	10 U	1 U
Carbon Tetrachloride	5	10 U	10 U	10 U	10 U	10 U	1 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	1 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	1 U
Chloromethane		10 U	10 U	10 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	5	10 U	10 U	10 U	10 U	10 U	1 U
Cyclohexane		NA	NA	NA	NA	NA	1 U
Dibromochloromethane	50	10 U	10 U	10 U	10 U	10 U	1 U
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	1 U
Ethyl Benzene	5	10 U	10 U	10 U	10 U	10 U	1 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	1 U
m/p-xylenes	5	NA	NA	10 U	10 U	10 U	2 U
Methyl Acetate		NA	NA	NA	NA	NA	1 U
Methyl tert-butyl Ether	10*	NA	NA	NA	NA	NA	**3**
Methylcyclohexane		10 U	10 U	10 U	10 U	10 U	1 U
Methylene Chloride	5	NA	NA	NA	NA	NA	1 U
o-xylene	5	NA	NA	10 U	10 U	10 U	1 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	1 U
trans-1,3-Dichloropropene	5	10 U	10 U	10 U	10 U	10 U	1 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	1 U
Toluene	5	10 U	10 U	10 U	10 U	10 U	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	1 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	1 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U	1 U
Total xylene	5	10 U	10 U	10 U	10 U	10 U	NA
Total TICs			11 JN	17 JN	24 JN	12 J	

Notes:
* - Guidance Value
** - Sum of these analytes cannot exceed 0.4 ug/l
U - Compound was not detected, reporting limit is provided.
J- Concentration is an approximate value.
UJ - Compound was not detected, reporting limit is estimated.
JN - Detection of compound is tentative and estimated in value.
NA - Compound not analyzed for or data not provided.
Highlighted cells exceed NYSDEC Class GA Standard.

TALBE 2
SUMMARY OF GROUNDWATER DATA (VOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-6S 3/12/1998 WATER µg/L	DGC-6S 6/25/1998 WATER µg/L	DGC-6S 10/20/1998 WATER µg/L	DGC-6S 2/9/1999 WATER µg/L	DGC-6S 10/19/1999 WATER µg/L	DGC-6S 6/13/2011 WATER µg/L
VOCs							
1,1,1-Trichloroethane	5	10 U	10 U	20 U	10 U	10 U	1 U
1,1,2,2-Tetrachloroethane	5	10 U	10 U	20 U	10 U	10 U	1 U
1,1,2-Trichloroethane	1	10 U	10 U	20 U	10 U	10 U	1 U
1,1,2-Trichlorotrifluoroethane		NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	10 U	10 U	20 U	10 U	10 U	1 U
1,1-Dichloroethene	5	10 U	10 U	20 U	10 U	10 U	1 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U
1,2-Dibromo-3-Chloropropane	0.04	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane		NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	10 U	10 U	20 U	10 U	10 U	1 U
1,2-Dichloroethene (total)	5	10 U	10 U	20 U	10 U	10 U	NA
1,2-Dichloropropane	1	10 U	10 U	20 U	10 U	10 U	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
2-Butanone (Methyl ethyl ketone)	50	10 U	10 U	20 U	10 U	10 U	5 U
2-Hexanone	50*	10 U	10 U	20 U	10 U	10 U	5 U
4-Methyl-2-Pentanone		10 U	10 U	20 U	10 U	10 U	5 U
Acetone	50*	10 U	10 U	20 U	10 U	10 U	5 U
Benzene	1	**7 J**	**5 J**	**270**	**4 J**	**20**	**2.7**
Bromodichloromethane	50*	10 U	10 U	20 U	10 U	10 U	1 U
Bromoform	50*	10 U	10 U	20 U	10 U	10 U	1 U
Bromomethane	5	10 U	10 U	20 U	10 U	10 U	1 U
Carbon Disulfide	60*	10 U	10 U	20 U	10 U	10 U	1 U
Carbon Tetrachloride	5	10 U	10 U	20 U	10 U	10 U	1 U
Chlorobenzene	5	10 U	10 U	20 U	10 U	10 U	1 U
Chloroethane	5	10 U	10 U	20 U	10 U	10 U	1 U
Chloroform	7	10 U	10 U	20 U	10 U	10 U	1 U
Chloromethane		10 U	10 U	20 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	5	10 U	10 U	20 U	10 U	10 U	1 U
Cyclohexane		NA	NA	NA	NA	NA	**18 D**
Dibromochloromethane	50	10 U	10 U	20 U	10 U	10 U	1 U
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	1 U
Ethyl Benzene	5	**6 J**	10 U	**8 J**	10 U	**2.7 J**	1 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	**2.7**
m/p-xylenes	5	NA	NA	**25**	**2 J**	**11**	2 U
Methyl Acetate		NA	NA	NA	NA	NA	1 U
Methyl tert-butyl Ether	10*	NA	NA	NA	NA	NA	1 U
Methylcyclohexane		10 U	10 U	20 U	10 U	10 U	**170 D**
Methylene Chloride	5	NA	NA	NA	NA	NA	1 U
o-xylene	5	NA	NA	20 U	10 U	10 U	1 U
Styrene	5	10 U	10 U	20 U	10 U	10 U	1 U
trans-1,3-Dichloropropene	5	10 U	10 U	20 U	10 U	10 U	1 U
Tetrachloroethene	5	10 U	10 U	20 U	10 U	10 U	1 U
Toluene	5	**31**	10 U	2 J	10 U	10 U	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U
Trichloroethene	5	10 U	10 U	20 U	10 U	10 U	1 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	1 U
Vinyl Chloride	2	10 U	10 U	20 U	10 U	10 U	1 U
Total xylene	5	**38**	10 U	**25**	**2 J**	**11**	NA
Total TICs		840 J	898 JN	1,039 JN	154 JN	833 J	828.1

Notes:
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J- Concentration is an approximate value.
UJ - Compound was not detected, reporting limit is estimated.
JN - Detection of compound is tentative and estimated in value.
NA - Compound not analyzed for or data not provided.
Highlighted cells exceed NYSDEC Class GA Standard.

TALBE 2
SUMMARY OF GROUNDWATER DATA (VOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-6D 3/12/1998 WATER µg/L	DGC-6D 6/25/1998 WATER µg/L	DGC-6D 10/20/1998 WATER µg/L	DGC-6D 2/9/1999 WATER µg/L	DGC-6D 10/19/1999 WATER µg/L	DGC-6D 6/13/2011 WATER µg/L
VOCs							
1,1,1-Trichloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
1,1,2,2-Tetrachloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
1,1,2-Trichloroethane	1	10 U	10 U	10 U	10 U	10 U	1 U
1,1,2-Trichlorotrifluoroethane		NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
1,1-Dichloroethene	5	10 U	10 U	10 U	10 U	10 U	**0.69 J**
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U
1,2-Dibromo-3-Chloropropane	0.04	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane		NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U	10 U	1 U
1,2-Dichloroethene (total)	5	10 U	10 U	10 U	**2 J**	**2.9 J**	NA
1,2-Dichloropropane	1	10 U	10 U	10 U	10 U	10 U	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
2-Butanone (Methyl ethyl ketone)	50	10 U	10 U	10 U	10 U	10 U	5 U
2-Hexanone	50*	10 U	10 U	10 U	10 U	10 U	5 U
4-Methyl-2-Pentanone		10 U	10 U	10 U	10 U	10 U	5 U
Acetone	50*	10 U	10 U	10 U	10 U	10 U	5 U
Benzene	1	10 U	10 U	**2 J**	10 U	10 U	1 U
Bromodichloromethane	50*	10 U	10 U	10 U	10 U	10 U	1 U
Bromoform	50*	10 U	10 U	10 U	10 U	10 U	1 U
Bromomethane	5	10 U	10 U	10 U	10 U	10 U	1 U
Carbon Disulfide	60*	10 U	10 U	10 U	10 U	10 U	1 U
Carbon Tetrachloride	5	10 U	10 U	10 U	10 U	10 U	1 U
Chlorobenzene	5	10 U	10 U	10 U	10 U	10 U	1 U
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	1 U
Chloroform	7	10 U	10 U	10 U	10 U	10 U	1 U
Chloromethane		10 U	10 U	10 U	10 U	10 U	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	**64**
cis-1,3-Dichloropropene	5	10 U	10 U	10 U	10 U	10 U	1 U
Cyclohexane		NA	NA	NA	NA	NA	1 U
Dibromochloromethane	50	10 U	10 U	10 U	10 U	10 U	1 U
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	1 U
Ethyl Benzene	5	10 U	10 U	10 U	10 U	**1.4 J**	1 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	1 U
m/p-xylenes	5	NA	NA	10 U	10 U	**2.6 J**	2 U
Methyl Acetate		NA	NA	NA	NA	NA	1 U
Methyl tert-butyl Ether	10*	NA	NA	NA	NA	NA	**20**
Methylcyclohexane		10 U	10 U	10 U	10 U	10 U	1 U
Methylene Chloride	5	NA	NA	NA	NA	NA	1 U
o-xylene	5	NA	NA	10 U	10 U	10 U	1 U
Styrene	5	10 U	10 U	10 U	10 U	10 U	1 U
trans-1,3-Dichloropropene	5	10 U	10 U	10 U	10 U	10 U	1 U
Tetrachloroethene	5	10 U	10 U	10 U	10 U	10 U	**7.7**
Toluene	5	10 U	10 U	10 U	10 U	10 U	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U
Trichloroethene	5	10 U	10 U	10 U	10 U	10 U	**12**
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	1 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U	**2.3**
Total xylene	5	10 U	10 U	10 U	10 U	**2.6 J**	NA
Total TICs		14 JN	19 JN	14 JN	19 JN	16 J	

Notes:
* - Guidance Value
** - Sum of these analytes cannot exceed 0.4 ug/l
U - Compound was not detected, reporting limit is provided.
J- Concentration is an approximate value.
UJ - Compound was not detected, reporting limit is estimated.
JN - Detection of compound is tentative and estimated in value.
NA - Compound not analyzed for or data not provided.
Highlighted cells exceed NYSDEC Class GA Standard.

TALBE 2
SUMMARY OF GROUNDWATER DATA (VOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-8S 3/12/1998 WATER µg/L	DGC-8S 6/25/1998 WATER µg/L	DGC-8S 10/20/1998 WATER µg/L	DGC-8S 2/9/1999 WATER µg/L	DGC-8S 10/19/1999 WATER µg/L	DGC-8S 6/13/2011 WATER µg/L
VOCs							
1,1,1-Trichloroethane	5	500 U	200 U	25 U	50 U	10 U	1 U
1,1,2,2-Tetrachloroethane	5	500 U	200 U	25 U	50 U	10 U	1 U
1,1,2-Trichloroethane	1	500 U	200 U	25 U	50 U	10 U	1 U
1,1,2-Trichlorotrifluoroethane		NA	NA	NA	NA	NA	1 U
1,1-Dichloroethane	5	500 U	200 U	25 U	50 U	10 U	1 U
1,1-Dichloroethene	5	500 U	200 U	25 U	50 U	10 U	1 U
1,2,4-Trichlorobenzene	5	NA	NA	NA	NA	NA	1 U
1,2-Dibromo-3-Chloropropane	0.04	NA	NA	NA	NA	NA	1 U
1,2-Dibromoethane		NA	NA	NA	NA	NA	1 U
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,2-Dichloroethane	0.6	500 U	200 U	25 U	50 U	10 U	1 U
1,2-Dichloroethene (total)	5	500 U	200 U	25 U	50 U	10 U	NA
1,2-Dichloropropane	1	500 U	200 U	25 U	50 U	10 U	1 U
1,3-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	1 U
2-Butanone (Methyl ethyl ketone)	50	500 U	200 U	25 U	50 U	10 U	5 U
2-Hexanone	50*	500 U	200 U	**18 J**	50 U	**22**	5 U
4-Methyl-2-Pentanone		500 U	200 U	25 U	50 U	10 U	5 U
Acetone	50*	500 U	200 U	25 U	50 U	**15**	5 U
Benzene	1	**700**	**230**	**210**	**210**	**77**	**4.8**
Bromodichloromethane	50*	500 U	200 U	25 U	50 U	10 U	1 U
Bromoform	50*	500 U	200 U	25 U	50 U	10 U	1 U
Bromomethane	5	500 U	200 U	25 U	50 U	10 U	1 U
Carbon Disulfide	60*	500 U	200 U	25 U	50 U	10 U	1 U
Carbon Tetrachloride	5	500 U	200 U	25 U	50 U	10 U	1 U
Chlorobenzene	5	500 U	200 U	25 U	50 U	10 U	1 U
Chloroethane	5	500 U	200 U	25 U	50 U	10 U	1 U
Chloroform	7	500 U	200 U	25 U	50 U	10 U	1 U
Chloromethane		500 U	200 U	25 U	50 U	10 U	1 U
cis-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U
cis-1,3-Dichloropropene	5	500 U	200 U	25 U	50 U	10 U	1 U
Cyclohexane		NA	NA	NA	NA	NA	1 U
Dibromochloromethane	50	500 U	200 U	25 U	50 U	10 U	1 U
Dichlorodifluoromethane	5	NA	NA	NA	NA	NA	1 U
Ethyl Benzene	5	**1,400**	**560**	**170**	**290**	**89**	1 U
Isopropylbenzene	5	NA	NA	NA	NA	NA	**0.55 J**
m/p-xylenes	5	NA	NA	**750**	**1,200**	**170 J**	2 U
Methyl Acetate		NA	NA	NA	NA	NA	1 U
Methyl tert-butyl Ether	10*	NA	NA	NA	NA	NA	1 U
Methylcyclohexane		500 U	200 U	25 U	50 U	10 U	1 U
Methylene Chloride	5	NA	NA	NA	NA	NA	1 U
o-xylene	5	NA	NA	**140**	**260**	**14**	1 U
Styrene	5	500 U	200 U	25 U	50 U	10 U	1 U
trans-1,3-Dichloropropene	5	500 U	200 U	25 U	50 U	10 U	1 U
Tetrachloroethene	5	500 U	200 U	25 U	50 U	10 U	1 U
Toluene	5	**5,400**	**1,700**	**380**	**760**	**74**	1 U
trans-1,2-Dichloroethene	5	NA	NA	NA	NA	NA	1 U
Trichloroethene	5	500 U	200 U	25 U	50 U	10 U	1 U
Trichlorofluoromethane	5	NA	NA	NA	NA	NA	1 U
Vinyl Chloride	2	500 U	200 U	25 U	50 U	10 U	1 U
Total xylene	5	**9,700**	**4,100**	**2,401**	**4,780**	**1,082 J**	NA
Total TICs		16,570 JN	9,100 JN	1,971 JN	3,920 JN	988 J	13.41

Notes:
* - Guidance Value
** - Sum of these analytes cannot exceed 0.4 ug/l
U - Compound was not detected, reporting limit is provided.
J- Concentration is an approximate value.
UJ - Compound was not detected, reporting limit is estimated.
JN - Detection of compound is tentative and estimated in value.
NA - Compound not analyzed for or data not provided.
Highlighted cells exceed NYSDEC Class GA Standard.

TABLE 3
SUMMARY OF GROUNDWATER DATA (SVOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	6 NYCRR Part 703 Class GA Standard or Guidance Value µg/L	DGC-2 3/12/1998 WATER µg/L	DGC-2 6/25/1998 WATER µg/L	DGC-2 10/20/1998 WATER µg/L	DGC-2 2/9/1999 WATER µg/L	DGC-2 10/19/1999 WATER µg/L	DGC-2 6/13/2011 WATER µg/L
SVOCs							
1,1-Biphenyl		NA	NA	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	11 U	10 U	11 U	10 U	10 U	NA
1,2-Dichlorobenzene	3	11 U	10 U	11 U	10 U	10 U	NA
1,3-Dichlorobenzene	3	11 U	10 U	11 U	10 U	10 U	NA
1,4-Dichlorobenzene	3	11 U	10 U	11 U	10 U	10 U	NA
2,2-oxybis(1-Chloropropane)		11 U	10 U	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	1**	27 U	25 U	28 U	25 U	25 U	10 U
2,4,6-Trichlorophenol	1**	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol	50*	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	10*	27 U	25 U	28 U	25 U	25 U	10 U
2,4-Dinitrotoluene	5	11 U	10 U	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	11 U	10 U	11 U	10 U	10 U	10 U
2-Chloronaphthalene	10*	11 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol	1**	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylnaphthalene		11 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol	1**	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitroaniline	5	27 U	25 U	28 U	25 U	25 U	10 U
2-Nitrophenol	1**	11 U	10 U	11 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	11 U	10 U	11 U	10 U	10 U	10 U
3-Nitroaniline		NA	NA	NA	NA	NA	10 U
3-Nitroaniline	5	27 U	25 U	28 U	25 U	25 U	10 U
4,6-Dinitro-2-methylphenol	1**	27 U	25 U	28 U	25 U	25 U	10 U
4-Bromophenyl-phenylether		11 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	1**	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline	5	11 U	10 U	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether		11 U	10 U	11 U	10 U	10 U	10 U
4-Methylphenol	1**	11 U	10 U	11 U	10 U	10 U	NA
4-Nitroaniline	5	27 U	25 U	28 U	25 U	25 U	10 U
4-Nitrophenol	1**	27 U	25 U	28 U	25 U	25 U	10 U
Acenaphthene	20*	11 U	10 U	11 U	10 U	10 U	10 U
Acenaphthylene		11 U	10 U	11 U	10 U	10 U	10 U
Anthracene	50*	11 U	10 U	11 U	10 U	10 U	10 U
Atrazine	7.5	NA	NA	NA	NA	NA	10 U
Benzaldehyde		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene	0.002*	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		11 U	10 U	11 U	10 U	10 U	**10** U
Benzo(k)fluoranthene	0.002*	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	5	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	1	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	11 U	10 U	11 U	10 U	10 U	10 U
Butylbenzylphthalate	50*	11 U	10 U	11 U	10 U	10 U	10 U
Caprolactam		NA	NA	NA	NA	NA	10 U
Carbazole		11 U	10 U	11 U	10 U	10 U	10 U
Chrysene	0.002*	11 U	10 U	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene		11 U	10 U	11 U	10 U	10 U	10 U
Dibenzofuran		11 U	10 U	11 U	10 U	10 U	10 U
Diethylphthalate	50*	11 U	10 U	11 U	10 U	10 U	10 U
Dimethylphthalate	50*	11 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	50	11 U	**1 J**	11 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	11 U	10 U	11 U	10 U	10 U	10 U
Fluoranthene	50*	11 U	10 U	11 U	10 U	10 U	10 U
Fluorene	50*	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	11 U	10 U	11 U	10 U	10 U	10 U
Hexachloroethane	5	11 U	10 U	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	11 U	10 U	11 U	10 U	10 U	10 U
Isophorone	50*	11 U	10 U	11 U	10 U	10 U	10 U
Naphthalene	10*	11 U	10 U	11 U	10 U	10 U	10 U
Nitrobenzene	0.4	11 U	10 U	11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine		11 U	10 U	11 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	50*	11 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	1	27 U	25 U	28 U	25 U	25 U	10 U
Phenanthrene	50	11 U	10 U	11 U	10 U	10 U	10 U
Phenol	1	11 U	10 U	11 U	10 U	10 U	10 U
Pyrene	50	11 U	10 U	11 U	10 U	10 U	10 U
Total TICs		84 J	34 JN	26 JN	34 J	53 J	12

Notes:

* Guidance Value

**Sum of these compounds can not exceed 1 ug/L.

U - Compound was not detected, reporting limit is provided.

J- Concentration is an approximate value.

TABLE 3
SUMMARY OF GROUNDWATER DATA (SVOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	6 NYCRR Part 703 Class GA Standard or Guidance Value µg/L	DGC-6S 3/12/1998 WATER µg/L	DGC-6S 6/25/1998 WATER µg/L	DGC-6S 10/20/1998 WATER µg/L	DGC-6S 2/9/1999 WATER µg/L	DGC-6S 10/19/1999 WATER µg/L	DGC-6S 6/13/2011 WATER µg/L
SVOCs							
1,1-Biphenyl		NA	NA	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	11 U	10 U	10 U	10 U	10 U	NA
1,2-Dichlorobenzene	3	11 U	10 U	10 U	10 U	10 U	NA
1,3-Dichlorobenzene	3	11 U	10 U	10 U	10 U	10 U	NA
1,4-Dichlorobenzene	3	11 U	10 U	10 U	10 U	10 U	NA
2,2-oxybis(1-Chloropropane)		11 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	1**	26 U	25 U	25 U	26 U	25 U	10 U
2,4,6-Trichlorophenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	**4 J**	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50*	11 U	10 U	**4 J**	10 U	10 U	10 U
2,4-Dinitrophenol	10*	26 U	25 U	25 U	26 U	25 U	10 U
2,4-Dinitrotoluene	5	11 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	11 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10*	11 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene		**1 J**	**4 J**	**6 J**	**2 J**	**4.7 J**	10 U
2-Methylphenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	26 U	25 U	25 U	26 U	25 U	10 U
2-Nitrophenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	11 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline		NA	NA	NA	NA	NA	10 U
3-Nitroaniline	5	26 U	25 U	25 U	26 U	25 U	10 U
4,6-Dinitro-2-methylphenol	1**	26 U	25 U	25 U	26 U	25 U	10 U
4-Bromophenyl-phenylether		11 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	11 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether		11 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	1**	11 U	10 U	10 U	10 U	10 U	NA
4-Nitroaniline	5	26 U	25 U	25 U	26 U	25 U	10 U
4-Nitrophenol	1**	26 U	25 U	25 U	26 U	25 U	10 U
Acenaphthene	20*	11 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		11 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	11 U	10 U	10 U	10 U	10 U	10 U
Atrazine	7.5	NA	NA	NA	NA	NA	10 U
Benzaldehyde		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		11 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	5	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	1	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	11 U	**4 J**	10 U	10 U	10 U	**1.7 J**
Butylbenzylphthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Caprolactam		NA	NA	NA	NA	NA	10 U
Carbazole		11 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene		11 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran		11 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	50	11 U	10 U	**1 J**	10 U	10 U	10 U
Di-n-octyl phthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	11 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	11 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	11 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Isophorone	50*	11 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	11 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	11 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine		11 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	50*	11 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	26 U	25 U	25 U	26 U	25 U	10 U
Phenanthrene	50	11 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	11 U	10 U	**7 J**	10 U	10 U	10 U
Pyrene	50	11 U	10 U	10 U	10 U	10 U	10 U
Total TICs		216 JN	459 JN	454 JN	239 JN	339 J	158.4

Notes:
* Guidance Value
**Sum of these compounds can not exceed 1 ug/L.
U - Compound was not detected, reporting limit is provided.
J- Concentration is an approximate value.

TABLE 3
SUMMARY OF GROUNDWATER DATA (SVOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	6 NYCRR Part 703 Class GA Standard or Guidance Value µg/L	DGC-6D 3/12/1998 WATER µg/L	DGC-6D 6/25/1998 WATER µg/L	DGC-6D 10/20/1998 WATER µg/L	DGC-6D 2/9/1999 WATER µg/L	DGC-6D 10/19/1999 WATER µg/L	DGC-6D 6/13/2011 WATER µg/L
SVOCs							
1,1-Biphenyl		NA	NA	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	11 U	10 U	10 U	10 U	10 U	NA
1,2-Dichlorobenzene	3	11 U	10 U	10 U	10 U	10 U	NA
1,3-Dichlorobenzene	3	11 U	10 U	10 U	10 U	10 U	NA
1,4-Dichlorobenzene	3	11 U	10 U	10 U	10 U	10 U	NA
2,2-oxybis(1-Chloropropane)		11 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	1**	28 U	25 U	25 U	25 U	25 U	10 U
2,4,6-Trichlorophenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50*	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10*	28 U	25 U	25 U	25 U	25 U	10 U
2,4-Dinitrotoluene	5	11 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	11 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10*	11 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene		11 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	28 U	25 U	25 U	25 U	25 U	10 U
2-Nitrophenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	11 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline		NA	NA	NA	NA	NA	10 U
3-Nitroaniline	5	28 U	25 U	25 U	25 U	25 U	10 U
4,6-Dinitro-2-methylphenol	1**	28 U	25 U	25 U	25 U	25 U	10 U
4-Bromophenyl-phenylether		11 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	1**	11 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	11 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether		11 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	1**	11 U	10 U	10 U	10 U	10 U	NA
4-Nitroaniline	5	28 U	25 U	25 U	25 U	25 U	10 U
4-Nitrophenol	1**	28 U	25 U	25 U	25 U	25 U	10 U
Acenaphthene	20*	11 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		11 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50*	11 U	10 U	10 U	10 U	10 U	10 U
Atrazine	7.5	NA	NA	NA	NA	NA	10 U
Benzaldehyde		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		11 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	5	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	1	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	11 U	10 U	10 U	**3 J**	10 U	10 U
Butylbenzylphthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Caprolactam		NA	NA	NA	NA	NA	10 U
Carbazole		11 U	10 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene		11 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran		11 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	50	11 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	11 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	11 U	10 U	10 U	10 U	10 U	10 U
Fluorene	50*	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	11 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	11 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	11 U	10 U	10 U	10 U	10 U	10 U
Isophorone	50*	11 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10*	11 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	11 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine		11 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	50*	11 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	28 U	25 U	25 U	25 U	25 U	10 U
Phenanthrene	50	11 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	11 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	11 U	10 U	10 U	10 U	10 U	10 U
Total TICs		48 JN	38 JN	32 JN	6 JN	22 J	14.8

Notes:

* Guidance Value

**Sum of these compounds can not exceed 1 ug/L.

U - Compound was not detected, reporting limit is provided.

J- Concentration is an approximate value.

TABLE 3
SUMMARY OF GROUNDWATER DATA (SVOCs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	6 NYCRR Part 703 Class GA Standard or Guidance Value µg/L	DGC-8S 3/12/1998 WATER µg/L	DGC-8S 6/25/1998 WATER µg/L	DGC-8S 10/20/1998 WATER µg/L	DGC-8S 2/9/1999 WATER µg/L	DGC-8S 10/19/1999 WATER µg/L	DGC-8S 6/13/2011 WATER µg/L
SVOCs							
1,1-Biphenyl		NA	NA	NA	NA	NA	10 U
1,2,4-Trichlorobenzene	5	11 U	100 U	10 U	10 U	10 U	NA
1,2-Dichlorobenzene	3	11 U	100 U	10 U	10 U	10 U	NA
1,3-Dichlorobenzene	3	11 U	100 U	10 U	10 U	10 U	NA
1,4-Dichlorobenzene	3	11 U	100 U	10 U	10 U	10 U	NA
2,2-oxybis(1-Chloropropane)		11 U	100 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	1**	27 U	250 U	25 U	26 U	25 U	10 U
2,4,6-Trichlorophenol	1**	11 U	100 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	11 U	100 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50*	11 U	100 U	**9 J**	**5 J**	**2.3 J**	10 U
2,4-Dinitrophenol	10*	27 U	250 U	25 U	26 U	25 U	10 U
2,4-Dinitrotoluene	5	11 U	100 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	11 U	100 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10*	11 U	100 U	10 U	10 U	10 U	10 U
2-Chlorophenol	1**	11 U	100 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene		**61**	**110**	**16**	**20**	**1.1 J**	10 U
2-Methylphenol	1**	11 U	**22 J**	10 U	**14**	10 U	10 U
2-Nitroaniline	5	27 U	250 U	25 U	26 U	25 U	10 U
2-Nitrophenol	1**	11 U	100 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	5	11 U	100 U	10 U	10 U	10 U	10 U
3-Nitroaniline		NA	NA	NA	NA	NA	10 U
3-Nitroaniline	5	27 U	250 U	25 U	26 U	25 U	10 U
4,6-Dinitro-2-methylphenol	1**	27 U	250 U	25 U	26 U	25 U	10 U
4-Bromophenyl-phenylether		11 U	100 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	1**	11 U	100 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	11 U	100 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether		11 U	100 U	10 U	10 U	10 U	10 U
4-Methylphenol	1**	11 U	100 U	10 U	**2 J**	10 U	NA
4-Nitroaniline	5	27 U	250 U	25 U	26 U	25 U	10 U
4-Nitrophenol	1**	27 U	250 U	25 U	26 U	25 U	10 U
Acenaphthene	20*	11 U	100 U	10 U	10 U	10 U	10 U
Acenaphthylene		11 U	100 U	10 U	10 U	10 U	10 U
Anthracene	50*	11 U	100 U	10 U	10 U	10 U	10 U
Atrazine	7.5	NA	NA	NA	NA	NA	10 U
Benzaldehyde		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene		NA	NA	NA	NA	NA	10 U
Benzo(a)anthracene	0.002*	11 U	100 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ND	11 U	100 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002*	11 U	100 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene		11 U	100 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002*	11 U	100 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	5	11 U	100 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	1	11 U	100 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	5	11 U	100 U	10 U	**1 J**	10 U	10 U
Butylbenzylphthalate	50*	11 U	100 U	10 U	10 U	10 U	10 U
Caprolactam		NA	NA	NA	NA	NA	10 U
Carbazole		11 U	100 U	10 U	10 U	10 U	10 U
Chrysene	0.002*	11 U	100 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene		11 U	100 U	10 U	10 U	10 U	10 U
Dibenzofuran		11 U	100 U	10 U	10 U	10 U	10 U
Diethylphthalate	50*	**1 J**	100 U	10 U	10 U	10 U	10 U
Dimethylphthalate	50*	11 U	100 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	50	11 U	100 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50*	11 U	100 U	10 U	10 U	10 U	10 U
Fluoranthene	50*	11 U	100 U	10 U	10 U	10 U	10 U
Fluorene	50*	11 U	100 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	11 U	100 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	11 U	100 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	11 U	100 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	11 U	100 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.002*	11 U	100 U	10 U	10 U	10 U	10 U
Isophorone	50*	11 U	100 U	10 U	10 U	10 U	10 U
Naphthalene	10*	**240 D**	**180**	**59**	**35**	**6.4 J**	10 U
Nitrobenzene	0.4	11 U	100 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine		11 U	100 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	50*	11 U	100 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	27 U	250 U	25 U	26 U	25 U	10 U
Phenanthrene	50	11 U	100 U	10 U	10 U	10 U	10 U
Phenol	1	11 U	100 U	10 U	10 U	10 U	10 U
Pyrene	50	11 U	100 U	10 U	10 U	10 U	10 U
Total TICs		3.560 J	4,859 JN	3,229 JN	1,317 JN	457 J	11

Notes:
* Guidance Value
**Sum of these compounds can not exceed 1 ug/L.
U - Compound was not detected, reporting limit is provided.
J- Concentration is an approximate value.

TABLE 4
SUMMARY OF GROUNDWATER DATA (METALS)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-2 3/12/1998 WATER µg/L	DGC-2 6/25/1998 WATER µg/L	DGC-2 10/20/1998 WATER µg/L	DGC-2 2/9/1999 WATER µg/L	DGC-2 10/19/1999 WATER µg/L	DGC-2 6/13/2011 WATER µg/L
Metals							
Aluminum		11,400	372	407	877	710	12 J
Antimony	3	1.7 B	3.3 U	3.8 B	7.7 U	5.0 U	25.0 U
Arsenic	25	39.4	16.3	23.4	6.4 B	14.9	10 U
Barium	1,000	218	209	557	562	568	450
Beryllium	3	3.7 B	1.1 B	3.6 B	0.17 U	1.0 U	3.0 U
Cadmium	5	2.5 B	0.94 B	3.5 B	0.63 U	1.0 U	3.0 U
Calcium		18,700	51,800	104,000	103,000	80,700	92,900
Chromium, total	50	19.6	1.1 B	1.1 B	1.8 B	1.0 U	5.0 U
Cobalt		10.1 B	1.3 B	10.4 U	2.6 B	1.0 U	15.0 U
Copper	200	39.2	6.4 B	3.1 B	4.8 B	22.2 B	10.0 U
Iron**	300	21,200	7,280	24,300	30,800	29,700	5,080
Lead	25	117	5.4	3.6	15.2	7.1	6.0 U
Magnesium*	35,000	3,860 B	4,890 B	9,570	10,800	7,370	9,210
Manganese**	300	286	323	449	485	289	255
Mercury	0.7	0.11 B	0.10 U	0.10 U	0.04 U	0.20 U	0.16 JN
Nickel	100	21.3 B	3.1 B	3.8 B	4.8 B	2.0 U	20.0 U
Potassium	NS	7,240	9,820	18,100	12,500	14,000	10,600
Selenium	10	4.4 B	1.5 U	1.5 U	3.0 U	5.0 U	10.0 U
Silver	50	0.96 B	0.30 U	1.1 B	1.3 U	1.0 U	5.0 U
Sodium	20,000	127,000	143,000	120,000	117,000	77,300	84,300
Thallium*	0.5	10.3	2.6 U	10.0 B	5.3 U	7.0 U	5.9 J
Vanadium		24.4 B	2.3 U	2.3 U	8.4 B	2.0 U	20.0 U
Zinc*	2,000	247	26.4	33.3	51.2	51.3	10.2 J

NOTES:
* Guidance Value
**Sum of these compounds can not exceed 300 ug/L.
U - Compound not detected, reporting limit is provided.
B - Analyte found in associated blank and sample.
Highlighted cells exceed NYSDEC Class GA standard or guidance value.

TABLE 4
SUMMARY OF GROUNDWATER DATA (METALS)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-6S 3/12/1998 WATER µg/L	DGC-6S 6/25/1998 WATER µg/L	DGC-6S 10/20/1998 WATER µg/L	DGC-6S 2/9/1999 WATER µg/L	DGC-6S 10/19/1999 WATER µg/L	DGC-6S 6/13/2011 WATER µg/L
Metals							
Aluminum		459	276	255	68 B	14.0 U	21 J
Antimony	3	1.3 U	3.3 U	3.3 U	7.7 U	5.0 U	25.0 U
Arsenic	25	24.8	14.5	21.1	5.6 B	21.4	7.25 J
Barium	1,000	347	319	300	331	329	249
Beryllium	3	4.5 B	0.20 U	4.4 B	0.17 U	1.0 U	3.0 U
Cadmium	5	3 B	2.8 B	0.75 U	0.63 U	1.0 U	3.0 U
Calcium		106,000	103,000	93,900	96,600	91,200	60,000
Chromium, total	50	0.40 U	0.50 U	0.53 B	0.64 U	1.0 U	5.0 U
Cobalt		3.5 B	3.7 B	10.4 U	1.2 U	1.0 U	15.0 U
Copper	200	2.6 U	1.7 U	21.1 B	1.2 U	34.3	10.0 U
Iron**	300	33,300	37,400	32,900	31,100	32,800	18,200
Lead	25	1.1 B	0.60 U	1.8 B	2.8 B	2.0 U	7.1
Magnesium*	35,000	9,570	9,190	8,090	10,000	9,130	6,420
Manganese**	300	9,980	9,170	7,090	8,900	8,060	4,600
Mercury	0.7	0.10 U	0.10 U	0.10 U	0.04 U	0.20 U	0.22 N
Nickel	100	1.5 B	2.8 U	2.8 U	2.5 B	2.0 U	20.0 U
Potassium	NS	11,600	11,800	14,800	11,100	13,500	6,450
Selenium	10	1.4 U	1.5 U	1.5 U	4.8 B	5.0 U	10.0 U
Silver	50	0.96 B	0.30 U	2.8 B	1.3 U	1.6 B	5.0 U
Sodium	20,000	92,200	94,100	164,000	96,200	99,300	44,900
Thallium*	0.5	1.7 U	2.6 U	2.6 U	13.0	7.0 U	3.0 J
Vanadium		2.6 U	2.3 U	2.3 U	4.2 B	2.0 U	8.0 J
Zinc*	2,000	22.2	16.7 B	15.0 B	3.1 B	14.3 B	14.6 J

NOTES:
* Guidance Value
**Sum of these compounds can not exceed 300 ug/L.
U - Compound not detected, reporting limit is provided.
B - Analyte found in associated blank and sample.
Highlighted cells exceed NYSDEC Class GA standard or guidance value.

TABLE 4
SUMMARY OF GROUNDWATER DATA (METALS)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-6D 3/12/1998 WATER µg/L	DGC-6D 6/25/1998 WATER µg/L	DGC-6D 10/20/1998 WATER µg/L	DGC-6D 2/9/1999 WATER µg/L	DGC-6D 10/19/1999 WATER µg/L	DGC-6D 6/13/2011 WATER µg/L
Metals							
Aluminum		110 B	19.9 B	78.8 B	166 B	18.4 B	31 J
Antimony	3	1.3 U	3.3 U	3.3 U	7.7 U	5.0 U	25.0 U
Arsenic	25	12.7	2.2 U	22.6	2.7 U	6.0 U	10 U
Barium	1,000	66.0 B	62.1 B	67.9 B	71.1 B	66.5 B	74.2
Beryllium	3	0.20 U	0.20 U	0.23 U	0.17 U	1.0 U	3.0 U
Cadmium	5	0.56 B	0.70 U	0.75 U	0.63 U	1.0 U	3.0 U
Calcium		162,000	159,000	166,000	160,000	154,000	145,000
Chromium, total	50	0.62 B	0.50 U	0.62 B	0.64 U	1.0 U	5.0 U
Cobalt		1.8 B	2.3 B	1.7 B	4.0 B	1.2 B	15.0 U
Copper	200	3.8 B	7.5 B	6.0 B	5.0 B	22.0 B	10.0 U
Iron**	300	256	41 B	189	277	64.0 B	50 U
Lead	25	0.70 U	0.60 U	1.8 U	2.6 U	2.0 U	5.3 J
Magnesium*	35,000	19,900	19,300	21,100	21,800	20,200	21,300
Manganese**	300	6,690	7,280	7,170	7,130	6,680	7,280
Mercury	0.7	0.10 U	0.10 U	0.10 U	0.04 U	0.20 U	0.20 UN
Nickel	100	2.8 B	3.8 B	3.1 B	3.3 B	2.1 B	4.9 J
Potassium	NS	5,310	5,690	6,100	5,220	6,850	5,980
Selenium	10	1.4 U	1.5 U	1.5 U	3.0 U	5.0 U	10.0 U
Silver	50	1.1 B	0.30 U	2.8 B	1.3 U	1.0 U	5.0 U
Sodium	20,000	68,300	68,500	73,600	65,100	67,000	105,000
Thallium*	0.5	1.7 U	2.6 U	2.6 U	12.2	7.0 U	20.0 U
Vanadium		2.6 U	2.3 U	2.3 U	2.7 U	2.0 U	10.7 J
Zinc*	2,000	33.1	17.9 B	13.9 B	4.4 B	14.5 B	15.1 J

NOTES:
* Guidance Value
**Sum of these compounds can not exceed 300 ug/L.
U - Compound not detected, reporting limit is provided.
B - Analyte found in associated blank and sample.
Highlighted cells exceed NYSDEC Class GA standard or guidance value.

TABLE 4
SUMMARY OF GROUNDWATER DATA (METALS)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard or Guidance Value µg/L	DGC-8S 3/12/1998 WATER µg/L	DGC-8S 6/25/1998 WATER µg/L	DGC-8S 10/20/1998 WATER µg/L	DGC-8S 2/9/1999 WATER µg/L	DGC-8S 10/19/1999 WATER µg/L	DGC-8S 6/13/2011 WATER µg/L
Metals							
Aluminum		136,000	64,500	29,300	60,900	18,300	50 U
Antimony	3	32.7 B	26.6 B	28.9 B	26.3 B	81.2	25.0 U
Arsenic	25	857	268	278	312	201	7.06 J
Barium	1,000	2,120	1,050	354	850	270	117
Beryllium	3	39.3	3.4 B	1.8 B	3.8 B	1.3 B	3.0 U
Cadmium	5	35.8	7.3	2.8 B	7.1	4.6 B	3.0 U
Calcium		6,970	111,000	16,700	33,700	20,500	95,300
Chromium, total	50	611	259	122	244	82.4	5.0 U
Cobalt		123	61.7	27.7 B	58.7	20.1 B	15.0 U
Copper	200	1,970	764	762	1,390	661	2.7 J
Iron**	300	205,000	102,000	66,100	131,000	40,500	5,750
Lead	25	4,080	6,060	722	1,660	736	8.6
Magnesium*	35,000	24,000	15,700	7,360	17,300	6,520	8,160
Manganese**	300	7,080	6,880	1,700	3,410	1,290	277
Mercury	0.7	1.50	2.40	0.32	0.69	0.20 U	0.20 UN
Nickel	100	333	154	93.6	171	61.9	20.0 U
Potassium	NS	453 U	25,300	18,600	9,250	15,200	6,490
Selenium	10	32.7	18.0	20.7	27.3	9.8	10.0 U
Silver	50	10.9	3.1 B	5.6 B	1.3 U	2.8 B	5.0 U
Sodium	20,000	79,200	479,000	527,000	385,000	305,000	31,000
Thallium*	0.5	48.7	2.6 U	8.1 B	5.3 U	7.0 U	20.0 U
Vanadium		1,080	455	375	560	333	20.0 U
Zinc*	2,000	3,330	1,310	509	1,340	479	16.1 J

NOTES:
* Guidance Value
**Sum of these compounds can not exceed 300 ug/L.
U - Compound not detected, reporting limit is provided.
B - Analyte found in associated blank and sample.
Highlighted cells exceed NYSDEC Class GA standard or guidance value.

TABLE 5
SUMMARY OF GROUNDWATER DATA (PESTICIDES, HERBICIDES, PCBs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	FEDERAL MCL (µg/L)	6 NYCRR Part 703 Class GA Standard or Guidance Value (µg/L)	DGC-2 3/12/1998 WATER µg/L	DGC-2 6/25/1998 WATER µg/L	DGC-2 10/20/1998 WATER µg/L	DGC-2 2/9/1999 WATER µg/L	DGC-2 10/19/1999 WATER µg/L	DGC-2 4/23/2003 WATER µg/L	DGC-2 6/13/2011 WATER µg/L
ORGANOCHLORINE PESTICIDES									
4,4'-DDD		0.3	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
4,4'-DDE		0.2	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
4,4'-DDT		0.2	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Aldrin		ND	0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
alpha-BHC			0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
alpha-Chlordane		0.05	0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
beta-BHC			0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
delta-BHC			0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Dieldrin		0.004	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endosulfan I			0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Endosulfan II			0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endosulfan Sulfate			0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin	2	ND	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin Aldehyde		5	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin Ketone		5	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
gamma-BHC (Lindane)	0.2		0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
gamma-Chlordane	2	0.05	0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Heptachlor	0.4	0.04	0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Heptachlor Epoxide	0.2	0.03	0.051 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Methoxychlor	40	35	0.51 U	0.50 U	NA	0.50 U	0.50 U	NA	0.051 U
Toxaphene	3	0.06	5.1 U	5.0 U	NA	5.0 U	5.0 U	NA	0.51 U
HERBICIDES									
2,4,5-T		35	NA	NA	0.50 U	0.053 U	NA	NA	2 U
2,4,5 -TP (Silvex)	50	0.26	NA	NA	**0.083**	0.053 U	NA	NA	2 U
2,4-D		50	NA	NA	0.50 U	0.053 U	NA	NA	2 U
2,4-DB			NA	NA	NA	NA	NA	NA	2 U
DICAMBA		0.44	NA	NA	0.50 U	NA	NA	NA	2 U
DICHLORPROP			NA	NA	NA	NA	NA	NA	2 U
DINOSEB		1*	NA	NA	0.50 U	NA	NA	NA	2 U
PCBs									
Aroclor-1016			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1221			2.0 U	2.0 U	NA	2.0 U	NA	NA	NA
Aroclor-1232			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1242			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1248			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1254			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1260			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Total	0.5	0.09							

NOTE:
J - Estimated value.
U - Compound was not detected, reporting limit is provided.
ND - If detected, compound exceeds standard.
NA - Compound not analyzed or data not provided.
Analysis of pesticides and PCBs marked on COC for samples collected on 10/20/1998, but data not provided in SDG.

* - Refers to Standard for Total Phenols.

TABLE 5
SUMMARY OF GROUNDWATER DATA (PESTICIDES, HERBICIDES, PCBs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	FEDERAL MCL (µg/L)	6 NYCRR Part 703 Class GA Standard or Guidance Value (µg/L)	DGC-6S 3/12/1998 WATER µg/L	DGC-6S 6/25/1998 WATER µg/L	DGC-6S 10/20/1998 WATER µg/L	DGC-6S 2/9/1999 WATER µg/L	DGC-6S 10/19/1999 WATER µg/L	DGC-6S 4/23/2003 WATER µg/L	DGC-6S 6/13/2011 WATER µg/L
ORGANOCHLORINE PESTICIDES									
4,4'-DDD		0.3	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
4,4'-DDE		0.2	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
4,4'-DDT		0.2	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Aldrin		ND	0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
alpha-BHC			0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
alpha-Chlordane		0.05	0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
beta-BHC			0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
delta-BHC			0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
Dieldrin		0.004	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endosulfan I			0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
Endosulfan II			0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endosulfan Sulfate			0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin	2	ND	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin Aldehyde		5	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin Ketone		5	0.10 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
gamma-BHC (Lindane)	0.2		0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
gamma-Chlordane	2	0.05	0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
Heptachlor	0.4	0.04	0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
Heptachlor Epoxide	0.2	0.03	0.052 U	0.050 U	NA	0.052 U	0.050 U	NA	0.051 U
Methoxychlor	40	35	0.52 U	0.50 U	NA	0.52 U	0.50 U	NA	0.051 U
Toxaphene	3	0.06	5.2 U	5.0 U	NA	5.2 U	5.0 U	NA	0.51 U
HERBICIDES									
2,4,5-T		35	NA	NA	1.0 U	0.052 U	0.25 U	0.49 U	2 U
2,4,5 -TP (Silvex)	50	0.26	NA	NA	1.0 U	**0.18**	0.25 U	0.49 U	2 U
2,4-D		50	NA	NA	1.0 U	0.052 U	0.25 U	0.49 U	2 U
2,4-DB			NA	NA	NA	NA	NA	NA	2 U
DICAMBA		0.44	NA	NA	**12.0**	NA	NA	0.49 U	2 U
DICHLORPROP			NA	NA	NA	NA	NA	NA	2 U
DINOSEB		1*	NA	NA	1.0 U	NA	NA	0.49 U	2 U
PCBs									
Aroclor-1016			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1221			2.1 U	2.0 U	NA	2.1 U	NA	NA	NA
Aroclor-1232			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1242			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1248			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1254			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1260			1.0 U	1.0 U	NA	1.0 U	NA	NA	NA
Total	0.5	0.09							

NOTE:
J - Estimated value.
U - Compound was not detected, reporting limit is provided.
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Analysis of pesticides and PCBs marked on COC for samples collected on 10/20/1998, but data not provided in SDG.

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TABLE 5
SUMMARY OF GROUNDWATER DATA (PESTICIDES, HERBICIDES, PCBs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	FEDERAL MCL (µg/L)	6 NYCRR Part 703 Class GA Standard or Guidance Value (µg/L)	DGC-6D 3/12/1998 WATER µg/L	DGC-6D 6/25/1998 WATER µg/L	DGC-6D 10/20/1998 WATER µg/L	DGC-6D 2/9/1999 WATER µg/L	DGC-6D 10/19/1999 WATER µg/L	DGC-6D 4/23/2003 WATER µg/L	DGC-6D 6/13/2011 WATER µg/L
ORGANOCHLORINE PESTICIDES									
4,4'-DDD		0.3	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
4,4'-DDE		0.2	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
4,4'-DDT		0.2	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
Aldrin		ND	0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
alpha-BHC			0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
alpha-Chlordane		0.05	0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
beta-BHC			0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
delta-BHC			0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
Dieldrin		0.004	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
Endosulfan I			0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
Endosulfan II			0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
Endosulfan Sulfate			0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
Endrin	2	ND	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
Endrin Aldehyde		5	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
Endrin Ketone		5	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.052 U
gamma-BHC (Lindane)	0.2		0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
gamma-Chlordane	2	0.05	0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
Heptachlor	0.4	0.04	0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
Heptachlor Epoxide	0.2	0.03	0.053 U	0.050 U	NA	0.050 U	0.050 U	NA	0.052 U
Methoxychlor	40	35	0.53 U	0.50 U	NA	0.50 U	0.50 U	NA	0.052 U
Toxaphene	3	0.06	5.3 U	5.0 U	NA	5.0 U	5.0 U	NA	0.52 U
HERBICIDES									
2,4,5-T		35	NA	NA	0.050 U	0.050 U	NA	0.48 U	2 U
2,4,5 -TP (Silvex)	50	0.26	NA	NA	0.050 U	0.050 U	NA	0.48 U	2 U
2,4-D		50	NA	NA	0.050 U	0.050 U	NA	0.48 U	2 U
2,4-DB			NA	NA	NA	NA	NA	NA	2 U
DICAMBA		0.44	NA	NA	0.050 U	NA	NA	0.48 U	2 U
DICHLORPROP			NA	NA	NA	NA	NA	NA	2 U
DINOSEB		1*	NA	NA	0.050 U	NA	NA	0.48 U	2 U
PCBs									
Aroclor-1016			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1221			2.1 U	2.0 U	NA	2.0 U	NA	NA	NA
Aroclor-1232			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1242			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1248			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1254			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1260			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Total	0.5	0.09							

NOTE:
J - Estimated value.
U - Compound was not detected, reporting limit is provided.
ND - If detected, compound exceeds standard.
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Analysis of pesticides and PCBs marked on COC for samples collected on 10/20/1998, but data not provided in SDG.

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TABLE 5
SUMMARY OF GROUNDWATER DATA (PESTICIDES, HERBICIDES, PCBs)
ALMY BROTHERS
BINGHAMTON, NEW YORK

Sample ID Sampling Date Matrix Units	FEDERAL MCL (µg/L)	6 NYCRR Part 703 Class GA Standard or Guidance Value (µg/L)	DGC-8S 3/12/1998 WATER µg/L	DGC-8S 6/25/1998 WATER µg/L	DGC-8S 10/20/1998 WATER µg/L	DGC-8S 2/9/1999 WATER µg/L	DGC-8S 10/19/1999 WATER µg/L	DGC-8S 4/23/2003 WATER µg/L	DGC-8S 6/13/2011 WATER µg/L
ORGANOCHLORINE PESTICIDES									
4,4'-DDD		0.3	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
4,4'-DDE		0.2	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
4,4'-DDT		0.2	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Aldrin		ND	0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
alpha-BHC			0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
alpha-Chlordane		0.05	0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
beta-BHC			0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
delta-BHC			0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Dieldrin		0.004	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endosulfan I			0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Endosulfan II			0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endosulfan Sulfate			0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin	2	ND	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin Aldehyde		5	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
Endrin Ketone		5	0.11 U	0.10 U	NA	0.10 U	0.10 U	NA	0.051 U
gamma-BHC (Lindane)	0.2		0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
gamma-Chlordane	2	0.05	0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Heptachlor	0.4	0.04	0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Heptachlor Epoxide	0.2	0.03	0.056 U	0.050 U	NA	0.050 U	0.050 U	NA	0.051 U
Methoxychlor	40	35	0.56 U	0.50 U	NA	0.50 U	0.50 U	NA	0.051 U
Toxaphene	3	0.06	5.6 U	5.0 U	NA	5.0 U	5.0 U	NA	0.51 U
HERBICIDES									
2,4,5-T		35	NA	NA	0.20 U	0.50 U	0.25 U	0.47 U	2 U
2,4,5 -TP (Silvex)	50	0.26	NA	NA	**2.0**	**2.6 D**	0.25 U	**0.61**	2 U
2,4-D		50	NA	NA	0.20 U	0.50 U	0.25 U	0.47 U	2 U
2,4-DB			NA	NA	NA	NA	NA	NA	2 U
DICAMBA		0.44	NA	NA	0.20 U	NA	NA	0.47 U	2 U
DICHLORPROP			NA	NA	NA	NA	NA	NA	2 U
DINOSEB		1*	NA	NA	0.20 U	NA	NA	0.47 U	2 U
PCBs									
Aroclor-1016			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1221			2.1 U	2.0 U	NA	2.0 U	NA	NA	NA
Aroclor-1232			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1242			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1248			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1254			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Aroclor-1260			1.1 U	1.0 U	NA	1.0 U	NA	NA	NA
Total	0.5	0.09							

NOTE:
J - Estimated value.
U - Compound was not detected, reporting limit is provided.
ND - If detected, compound exceeds standard.
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Analysis of pesticides and PCBs marked on COC for samples collected on 10/20/1998, but data not provided in SDG.

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Appendix A

Well Inspection Form

MALCOLM PIRNIE

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Almy PROJECT NUMBER: 0266389

DATE OF INSPECTION: 6/13/11 INSPECTOR: EBlack/JW

WELL DESIGNATION: DGC-2

WELL LOCATION: _____

Outward Appearance

Flushmount Diameter	_____ inches	N/A [X]	
Approximate Stickup Height	6.6 feet	N/A [ ]	
Integrity of Protective Casing	Describe: Good		
Protective Casing Material	Steel [X]	Stainless Steel [ ]	Other _____
Protective Casing Width or Dia.	4 inches		
Weep Hole in Protective Casing	Yes [ ]	No [X]	
Surface Seal/Apron Material	Cement [ ]	Bentonite [ ]	Not apparent [X] Other _____
Integrity of Surface Seal/Apron	Describe: gravel over		
Surface Drainage	Away from Wellhead [X]	Toward Wellhead [ ]	
Bollards Present?	Yes [ ]	No [X]	Describe: _____
Well ID. Visible?	Yes [ ]	No [X]	Describe: _____
Lock Present and Functional?	Yes [X]	No [ ]	Describe: _____
Photograph Taken? Photo #	Yes [ ]	No [X]	Describe: _____

Inner Appearance

Integrity of Well Casing	Describe: NONE		
Integrity of Cap Seal	Describe: NONE		
Surface Water in Casing?	Yes [ ]	No [X]	Describe: _____
Well Casing Diameter	2 inches		
Well Casing Material	PVC [X]	Steel [ ]	Stainless Steel [ ]
Inner Cap	Threaded [ ]	Slip [ ]	Expansion Plug [ ] None [X]
Reference/Measuring Point	Groove [ ]	Indelible Mark [X]	None [ ]
Evidence of Double Casing?	Yes [ ]	No [X]	Describe: _____

Downhole

Odor	Yes [ ]	No [X]	Describe: _____
PID Reading	0.0 ppm		
Depth to Water (to top of casing)	6.20 feet (nearest 0.01)	Depth to LNAPL	_____ feet (nearest 0.01) N/A [ ]
Total Well Depth (to top of casing)	17.51 feet (nearest 0.1)		
Sediment (Hard/Soft Bottom)	Describe: Firm		

Additional Comments:

_____

_____

_____

_____

_____

_____

MALCOLM PIRNIE

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Almy PROJECT NUMBER: 0266389

DATE OF INSPECTION: 6/13/11 INSPECTOR: EBlack / JWyckoff

WELL DESIGNATION: DGC-6S

WELL LOCATION: _____

Outward Appearance

Flushmount Diameter	4 inches	N/A [X]	
Approximate Stickup Height	_____ feet	N/A [ ]	
Integrity of Protective Casing	Describe: tilted		
Protective Casing Material	Steel [X]	Stainless Steel [ ]	Other _____
Protective Casing Width or Dia.	4 inches		
Weep Hole in Protective Casing	Yes [ ]	No [X]	
Surface Seal/Apron Material	Cement [X]	Bentonite [ ]	Not apparent [ ] Other _____
Integrity of Surface Seal/Apron	Describe: tilted		
Surface Drainage	Away from Wellhead [X]	Toward Wellhead [ ]	
Bollards Present?	Yes [ ]	No [X]	Describe: _____
Well ID. Visible?	Yes [ ]	No [X]	Describe: _____
Lock Present and Functional?	Yes [X]	No [ ]	Describe: _____
Photograph Taken? Photo #	Yes [ ]	No [X]	Describe: _____

Inner Appearance

Integrity of Well Casing	Describe: Good		
Integrity of Cap Seal	Describe: Broken		
Surface Water in Casing?	Yes [X]	No [X]	Describe: _____
Well Casing Diameter	2 inches		
Well Casing Material	PVC [X]	Steel [ ]	Stainless Steel [ ]
Inner Cap	Threaded [ ]	Slip [X]	Expansion Plug [ ] None [ ]
Reference/Measuring Point	Groove [ ]	Indelible Mark [X]	None [ ]
Evidence of Double Casing?	Yes [ ]	No [X]	Describe: _____

Downhole

Odor	Yes [ ]	No [X]	Describe: _____
PID Reading	0.0 ppm		
Depth to Water (to top of casing)	9.97 feet (nearest 0.01)	Depth to LNAPL	_____ feet (nearest 0.01) N/A [X]
Total Well Depth (to top of casing)	17.68 feet (nearest 0.1)		
Sediment (Hard/Soft Bottom)	Describe: Firm		

Additional Comments:

_____

_____

_____

_____

_____

_____

MALCOLM PIRNIE

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Almy PROJECT NUMBER: 0266389

DATE OF INSPECTION: 6/13/11 INSPECTOR: EBlack | JWyckoff

WELL DESIGNATION: DGC-6D

WELL LOCATION: _____

Outward Appearance

Flushmount Diameter	_____ inches	N/A [X]	
Approximate Stickup Height	1.9 feet	N/A [ ]	
Integrity of Protective Casing	Describe: Good		
Protective Casing Material	Steel [X]	Stainless Steel [ ]	Other _____
Protective Casing Width or Dia.	4 inches		
Weep Hole in Protective Casing	Yes [ ]	No [X]	
Surface Seal/Apron Material	Cement [ ]	Bentonite [ ]	Not apparent [X] Other _____
Integrity of Surface Seal/Apron	Describe: covered w/ gravel		
Surface Drainage	Away from Wellhead [X]	Toward Wellhead [ ]	
Bollards Present?	Yes [ ]	No [X]	Describe: _____
Well ID. Visible?	Yes [ ]	No [X]	Describe: _____
Lock Present and Functional?	Yes [X]	No [ ]	Describe: _____
Photograph Taken? Photo #	Yes [ ]	No [X]	Describe: _____

Inner Appearance

Integrity of Well Casing	Describe: Good		
Integrity of Cap Seal	Describe: Good		
Surface Water in Casing?	Yes [X]	No [ ]	Describe: _____
Well Casing Diameter	2 inches		
Well Casing Material	PVC [X]	Steel [ ]	Stainless Steel [ ]
Inner Cap	Threaded [X]	Slip [ ]	Expansion Plug [ ] None [ ]
Reference/Measuring Point	Groove [ ]	Indelible Mark [ ]	None [X]
Evidence of Double Casing?	Yes [ ]	No [X]	Describe: _____

Downhole

Odor	Yes [ ]	No [X]	Describe: _____
PID Reading	0.0 ppm		
Depth to Water (to top of casing)	10.39 feet (nearest 0.01)	Depth to LNAPL	_____ feet (nearest 0.01) N/A [X]
Total Well Depth (to top of casing)	41.09 feet (nearest 0.1)		
Sediment (Hard/Soft Bottom)	Describe: Soft bottom		

Additional Comments:

_____

_____

_____

_____

_____

_____

MALCOLM PIRNIE

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Almy PROJECT NUMBER: 0266389

DATE OF INSPECTION: 6/13/11 INSPECTOR: EBlack | JWyckoff

WELL DESIGNATION: DGC-85

WELL LOCATION: _____

Outward Appearance

Flushmount Diameter	_____ inches	N/A [X]		
Approximate Stickup Height	2.2 feet	N/A [ ]		
Integrity of Protective Casing	Describe: Good			
Protective Casing Material	Steel [X]	Stainless Steel [ ]	Other _____	
Protective Casing Width or Dia.	4 inches			
Weep Hole in Protective Casing	Yes [ ]	No [X]		
Surface Seal/Apron Material	Cement [ ]	Bentonite [ ]	Not apparent [X]	Other _____
Integrity of Surface Seal/Apron	Describe: none visible - gravel			
Surface Drainage	Away from Wellhead [ ]	Toward Wellhead [ ]		
Bollards Present?	Yes [ ]	No [X]	Describe: _____	
Well ID. Visible?	Yes [X]	No [ ]	Describe: DGC-85	
Lock Present and Functional?	Yes [X]	No [ ]	Describe: _____	
Photograph Taken? Photo #	Yes [ ]	No [X]	Describe: _____	

Inner Appearance

Integrity of Well Casing	Describe: Good			
Integrity of Cap Seal	Describe: Good			
Surface Water in Casing?	Yes [ ]	No [X]	Describe: _____	
Well Casing Diameter	2 inches			
Well Casing Material	PVC [X]	Steel [ ]	Stainless Steel [ ]	
Inner Cap	Threaded [X]	Slip [ ]	Expansion Plug [ ]	None [ ]
Reference/Measuring Point	Groove [ ]	Indelible Mark [X]	None [ ]	
Evidence of Double Casing?	Yes [ ]	No [X]	Describe: _____	

Downhole

Odor	Yes [ ]	No [X]	Describe: _____	
PID Reading	0.0 ppm			
Depth to Water (to top of casing)	8.57 feet (nearest 0.01)	Depth to LNAPL	_____ feet (nearest 0.01)	N/A [X]
Total Well Depth (to top of casing)	19.98 feet (nearest 0.1)			
Sediment (Hard/Soft Bottom)	Describe: Firm			

Additional Comments:

_____

_____

_____

_____

_____

_____

Appendix B

Groundwater Level Data Form

GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Almy Brothers
PROJECT NUMBER: 0266389
DATE: 6/13/2011
PERSONNEL: J. Wyckoff, E. Black

WELL ID	Date	Headspace VOCs (ppm)	Depth to LNAPL (feet)	Depth to Water (feet)	Total Casing and Screen length (feet)	Reference Point
DGC-2	6/13/2011	0	-	6.20	17.51	TOC
DGC-6S	6/13/2011	0	-	9.97	17.68	TOC
DGC-6D	6/13/2011	0	-	10.39	41.09	TOC
DGC-8S	6/13/2011	0	-	8.57	19.98	TOC

Notes:
TOC - Top of casing

Appendix C

Groundwater Sampling Purge Logs

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: DGC-28 DATE: 6/13/11

PROJECT NAME: ARMY

PROJECT NUMBER: 0266389

SAMPLERS: JRW.

A: Total Casing and Screen Length: 17.51

B: Casing Internal Diameter: 2

C: Water Level Below Top of Casing: 6.20

D: Volume of Water in Casing: _____

v = 0.0408 $(B)^2$ x (A-C) = D

v = 0.0408 ( )^2 x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED												
Time	1520	1525	1530	1535	1540	1545	1555	1600	1605	1610			
Gallons													
Depth to Water		6.33	6.39	6.41	6.41	6.41	6.41	6.41	6.41	6.41			
Temperature (°C)	18.27	18.17	18.06	17.92	17.83	17.73	17.71	17.72	17.76	17.75			
pH	6.59	6.54	6.52	6.50	6.53	6.52	6.53	6.53	6.52	6.55			
Redox (mV)	-60	-82	-80	-80	-82	-80	-83	-91	-93	-95			
Conductivity (mohm/cm	.987	.993	.990	.986	.988	.990	.991	.990	.988	.988			
Turbidity (ntu)	77	74.8	74.1	76.2	74.6	72.1	69.6	68.8	66.2	66.3			
Disolved Oxygen (mg/l)	3.06	.70	.40	.20	0.0	0.0	0.0	0.0	0.0	0.0			
TDS	.632	.636	.633	.631	.632	.634	.634	.633	.632	.632			
Salinity	0.05	.05	.05	.05	.05	.05	.05	.05	.05	.05			

Notes: 1520, initiated purge

- Finish purge - collect samples - collect MS/MSD.

1610 - Purged — 3 gallons

- Collect 1 sample for dissolved metals - unfiltered / unpreserved → Tube to filter

HOLDER

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: DGC-65 DATE: 6/13/11

PROJECT NAME: Almy

PROJECT NUMBER:

SAMPLERS: EBlack

A: Total Casing and Screen Length: _____

B: Casing Internal Diameter: _____

C: Water Level Below Top of Casing: _____

D: Volume of Water in Casing: _____

v = 0.0408 $(B)^2$ x (A-C) = D

v = 0.0408 ( )^2 x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED												
Time	1510	1515	1520	1525	1530	1535	1540	1545	1550				
Gallons													
Depth to Water	10.35	10.36	10.36	→	→	→	→	→	→				
Temperature (°C)	13.75	12.93	12.79	12.70	12.66	12.58	12.50	12.48	12.49				
pH	6.63	6.49	6.49	6.49	6.52	6.53	6.54	6.54	6.54				
Redox (mV)	-52	-64	-69	-75	-79	-81	-83	-84	-84				
Conductivity (mohm/cm	0.462	0.433	0.467	0.510	0.538	0.556	0.578	0.583	0.585				
Turbidity (ntu)	16.9	14.2	9.4	8.2	8.8	9.0	9.2	9.0	9.3				
Disolved Oxygen (mg/l)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TDS	0.261	0.283	0.305	0.327	0.345	0.350	0.370	0.375	0.378				
Salinity	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03				

Notes: 1555 sample time Initial purge water pink w/ brown precipitate. (~100 mL) Then cleared.

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: DG~~3~~C-6D **DATE:** 6/13/11

PROJECT NAME: Army
PROJECT NUMBER:
SAMPLERS: EBlack

Well I.D.	Vol. Gal./ft.
1"	0.04
— 2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

A: Total Casing and Screen Length: 41.09 ft ~~47.68~~

B: Casing Internal Diameter: 2 inches 2/12

C: Water Level Below Top of Casing: 10.39 ft

D: Volume of Water in Casing:

$v = 0.0408 (B)^2 \times (A-C) = D$ (0.001133) 41.09 − 10.39 = 30.70

$v = 0.0408 (\frac{1}{3}\frac{2}{6}) \times (41.09 - 16.39) =$ 0.034783 gal. 5.219

PARAMETER	ACCUMULATED VOLUME PURGED												
Time	1325	1330	1335	1340	1345	1350	1355	1400	1405	1410	1415	1420	
Gallons													
Depth to Water	10.33	10.34	10.34	→	→	→	→	→	→	→	→	→	
Temperature (°C)	15.42	14.73	14.25	14.07	13.95	13.76	13.70	13.68	13.66	13.58	13.54	13.52	
pH	6.99	6.43	6.37	6.37	6.39	6.40	6.40	6.40	6.41	6.41	6.41	6.41	
Redox (mV)	24	57	75	86	86	94	98	101	103	105	106	108	
Conductivity (mohm/cm	1.42	1.43	1.43	1.43	1.43	1.43	1.44	1.44	1.44	1.44	1.44	1.44	
Turbidity (ntu)	267	221	120	69.2	83.6	42.8	30.9	29.0	21.0	24.2	22.7	21.6	
Disolved Oxygen (mg/l)	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TDS	0.908	0.913	0.916	0.917	0.917	0.917	0.917	0.919	0.918	0.919	0.919	0.920	
Salinity %	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	

Notes: 1425 sample time, DUP-01 taken ("sample time" 1300)

MALCOLM PIRNIE

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: 85 DATE: 6/13/11

PROJECT NAME: 0266389 Army

PROJECT NUMBER: 0266389

SAMPLERS: JAW

A: Total Casing and Screen Length: 19.98

B: Casing Internal Diameter: 2

C: Water Level Below Top of Casing: 8.57

D: Volume of Water in Casing: _____

v = 0.0408 $(B)^2$ x (A-C) = D

v = 0.0408 ( )^2 x (-) = _____ gal.

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

PARAMETER	ACCUMULATED VOLUME PURGED												
Time	1345	1350	1355	1405	1410	1415	1420	14.25	1435				
Gallons	0												
Depth to Water	9.34	9.88	10.19	10.74	11.14	11.28	11.43	11.54	11.71				
Temperature (°C)	14.38	14.30	14.41	14.33	14.23	14.27	14.38	14.44	14.47				
pH	7.07	6.96	6.95	6.95	6.95	6.95	6.96	6.96	6.96				
Redox (mV)	-155	-134	-127	-116	-106	-102	-96	-92	-89				
Conductivity (mohm/cm	.654	.641	.636	.639	.639	.641	.641	.642	.646				
Turbidity (ntu)	34.1	10.3	7.7	5.7	7.2	7.9	8.9	8.3	8.4				
Disolved Oxygen (mg/l)	5.00	0.86	.57	.31	.11	0.0	0.0	0.0	0.0				
TDS	.417	.409	.407	.409	.409	.418	.410	.411	.413				
Salinity %	.03	.03	.03	.03	.03	.03	.03	.03	.03				

Notes: 1345 - Initiate purge

1435 - Finish purge - collect samples purge ~ 3 gallons

Appendix D

Analytical Reporting Forms

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : NYSDEC-ALMY BROTHERS

MALCOLM PIRNIE, INC.
855 Route 146, Suite 210

Clifton Park , NY - 12065
Phone No: 5182507300

ORDER ID : **C2653**
ATTENTION : **Jeremy Wyckoff**

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : C2653

Project ID : NYSDEC-Almy Brothers

Client : Malcolm Pirnie, Inc.

Lab Sample Number	Client Sample Number
C2653-01	DGC-2
C2653-02	C2653-01MS
C2653-03	C2653-01MSD
C2653-04	DGC-6S
C2653-05	DGC-6D
C2653-06	DGC-8S
C2653-07	DUP-01
C2653-08	TRIPBLANK
C2653-09	DGC-2
C2653-10	C2653-09MS
C2653-11	C2653-09MSD

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

Signature : _____

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
DGC-2	C2653-01	8260B	8270C		8081A, 8151A	6010B, 7470A	
DGC-6S	C2653-04	8260B	8270C		8081A, 8151A	6010B, 7470A	
DGC-6D	C2653-05	8260B	8270C		8081A, 8151A	6010B, 7470A	
DGC-8S	C2653-06	8260B	8270C		8081A, 8151A	6010B, 7470A	
DUP-01	C2653-07	8260B	8270C		8081A, 8151A	6010B, 7470A	
TRIPBLANK	C2653-08	8260B					
DGC-2	C2653-09					6010B, 7470A	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C2653-01	WATER	06/13/11	06/14/11	06/15/11	06/17/11
C2653-04	WATER	06/13/11	06/14/11	06/15/11	06/17/11
C2653-05	WATER	06/13/11	06/14/11	06/15/11	06/17/11
C2653-06	WATER	06/13/11	06/14/11	06/15/11	06/17/11
C2653-07	WATER	06/13/11	06/14/11	06/15/11	06/17/11

* Details For Test :SVOC-TCL BNA -20

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C2653-01	WATER	06/13/11	06/14/11		06/19/11
C2653-04	WATER	06/13/11	06/14/11		06/19/11
C2653-05	WATER	06/13/11	06/14/11		06/19/11
C2653-06	WATER	06/13/11	06/14/11		06/19/11
C2653-07	WATER	06/13/11	06/14/11		06/20/11
C2653-08	WATER	06/13/11	06/14/11		06/19/11

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C2653-01	WATER	06/13/11	06/14/11	06/15/11	06/23/11
C2653-04	WATER	06/13/11	06/14/11	06/15/11	06/23/11
C2653-05	WATER	06/13/11	06/14/11	06/15/11	06/23/11
C2653-06	WATER	06/13/11	06/14/11	06/15/11	06/23/11
C2653-07	WATER	06/13/11	06/14/11	06/15/11	06/23/11

* Details For Test :Herbicide

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIc

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
C2653-01	WATER	06/13/11	06/14/11	06/16/11	06/23/11
C2653-04	WATER	06/13/11	06/14/11	06/16/11	06/23/11
C2653-05	WATER	06/13/11	06/14/11	06/16/11	06/23/11
C2653-06	WATER	06/13/11	06/14/11	06/16/11	06/23/11
C2653-07	WATER	06/13/11	06/14/11	06/16/11	06/23/11

* Details For Test :Pesticide-TCL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C2653-01	Water	8260B	5030		
C2653-02	Water	8260B	5030		
C2653-03	Water	8260B	5030		
C2653-04	Water	8260B	5030		
C2653-05	Water	8260B	5030		
C2653-06	Water	8260B	5030		
C2653-07	Water	8260B	5030		
C2653-08	Water	8260B	5030		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C2653-01	Water	8081A,8151A	3510C		
C2653-02	Water	8081A,8151A	3510C		
C2653-03	Water	8081A,8151A	3510C		
C2653-04	Water	8081A,8151A	3510C		
C2653-05	Water	8081A,8151A	3510C		
C2653-06	Water	8081A,8151A	3510C		
C2653-07	Water	8081A,8151A	3510C		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
C2653-01	Water	8270C	3510C		
C2653-02	Water	8270C	3510C		
C2653-03	Water	8270C	3510C		
C2653-04	Water	8270C	3510C		
C2653-05	Water	8270C	3510C		
C2653-06	Water	8270C	3510C		
C2653-07	Water	8270C	3510C		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
C2653-09	WATER	Dissolved ICP-TAL Metals	06/14/11	06/15/11	06/16/11

* Details For Test :Dissolved ICP-TAL Metals

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
C2653-09	WATER	Dissolved Mercury	06/14/11	06/15/11	06/17/11

* Details For Test :Dissolved Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
C2653-01	WATER	Mercury	06/14/11	06/15/11	06/17/11
C2653-04	WATER	Mercury	06/14/11	06/15/11	06/17/11
C2653-05	WATER	Mercury	06/14/11	06/15/11	06/17/11
C2653-06	WATER	Mercury	06/14/11	06/15/11	06/17/11
C2653-07	WATER	Mercury	06/14/11	06/15/11	06/17/11

* Details For Test :Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
C2653-01	WATER	Metals ICP-TAL	06/14/11	06/15/11	06/16/11
C2653-04	WATER	Metals ICP-TAL	06/14/11	06/15/11	06/16/11
C2653-05	WATER	Metals ICP-TAL	06/14/11	06/15/11	06/16/11
C2653-06	WATER	Metals ICP-TAL	06/14/11	06/15/11	06/16/11
C2653-07	WATER	Metals ICP-TAL	06/14/11	06/15/11	06/16/11

* Details For Test :Metals ICP-TAL

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: NYSDEC-Almy Brothers
Project # N/A
Chemtech Project # C2653
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
11 Water samples were received on 06/14/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike for {BSH0619W1} with File ID: VH041609.D met requirements for all samples except for Acetone[160%], Chloromethane[130%] and Methylene Chloride[305%] .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis indicated presence of Methylene Chloride[25 ug/L] FileID:VH041608.D{VBH0619W1} due to possible lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID VH041606.D met the requirements except for Methyl Acetate,4-Methyl-2-Pentanone,Acetone and Methylene Chloride.
The Continuous Calibration File ID VH041649.D met the requirements except for Chloromethane,Methyl Acetate,1,1,2-Trichlorotrifluoroethane and Acetone .
The Tuning criteria met requirements.

Sample DGC-6S was diluted due to high concentration.

E. Additional Comments:
Sample Trip blank has hit of Methylene Chloride due to lab contamination.

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

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature____ 

Mildred V. Reyes, QA/QC Supervisor
2011.06.30 08:43:42 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: NYSDEC-Almy Brothers
Project # N/A
Chemtech Project # C2653
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
11 Water samples were received on 06/14/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_E using GC Column RXI-5 SILMS which is 30 meters, 0.25 mm ID, 0.50 um df, Catalog # 13638-124.The analysis of SVOC-TCL BNA -20 was based on method 8270C and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {C2653-02MS} with File ID: BE071509.D recoveries met the requirements for all compounds except for 2-Nitroaniline[126%] .
The MSD {C2653-03MSD} with File ID: BE071510.D recoveries met the acceptable requirements except for 2-Nitroaniline[120%] .
The RPD recoveries met criteria .
The Blank Spike for {PB56101BS} with File ID: BE071513.D met requirements for all samples except for 2-Nitroaniline[118%] .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The ICV BE071260.D met the requirment except for Benzaldehyde,n-Nitroso-di-n-propylamine,Hexachlorobutadiene,4-Chloro-3-methylphenol.
The Continuous Calibration File ID BE071517.D met the requirements except for 2,2-oxybis(1-Chloropropane) and 2-Nitroaniline. These compounds are biased high and they are not present in any of the samples.
The Tuning criteria met requirements.

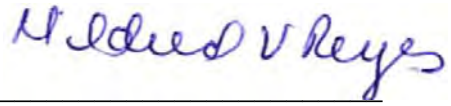
CHEMTECH

E. Additional Comments:

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

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature 

Mildred V. Reyes, QA/QC Supervisor
2011.06.30 08:42:09 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: NYSDEC-Almy Brothers
Project # N/A
Chemtech Project # C2653
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
11 Water samples were received on 06/14/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Herbicide.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_E. The front column is ZB-35-HT Inferno which is 30 meters, 0.25 mm ID, 0.25 um df, Catalog # 7HG-G025-11. The rear column is ZB-XLB-HT Inferno which is 30 meters, 0.25 mm ID, 0.25 um df, Catalog # 7HG-G024-11.The analysis of Herbicides was based on method 8151A and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for DGC-2 [2,4-DCAA - 33%], C2653-01MSMS [2,4-DCAA - 31%], C2653-01MSDMSD [2 and4-DCAA - 24%].
The Retention Times were acceptable for all samples.
The MS {C2653-02MS} with File ID: PE001678.D recoveries met the requirements for all compounds except for 2,4,5-T[34%], 2,4,5-TP(Silvex)[32%], 2,4-D[38%], 2,4-DB[34%], DICAMBA[36%], DICHLORPROP[34%] and Dinoseb[34%] .
The MSD {C2653-03MSD} with File ID: PE001679.D recoveries met the acceptable requirements except for 2,4,5-T[27%], 2,4,5-TP(Silvex)[27%], 2,4-D[29%], 2,4-DB[31%], DICAMBA[29%], DICHLORPROP[29%] and Dinoseb[29%] .
The RPD for {C2653-03MSD} with File ID: PE001679.D recoveries met criteria except for 2,4,5-T[23%], 2,4-D[27%] and DICAMBA[22%] .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

CHEMTECH

E. Additional Comments:
Sample DGC-2 has low Surrogate recovery in both column and it was confirmed by associated MS and MSD

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____ 

Mildred V. Reyes, QA/QC Supervisor
2011.06.30 08:31:09 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: NYSDEC-Almy Brothers
Project # N/A
Chemtech Project # C2653
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
11 Water samples were received on 06/14/2011.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_D. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HM-G017-11 . The rear column is ZBMR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalog # 7HM-G016-17.The analysis of Pesticide-TCLs was based on method 8081A and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID PD002610.D met the requirements except for 4,4-DDT,Methoxychlor and Endrin ketone are failing on 2 nd column but passing on 1s column and Decachlorobiphenyl is failing on both column.The Continuous Calibration File ID PD002625.D met the requirements except for Decachlorobiphenyl is failing on both column.

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F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____ Mildred V. Reyes

Mildred V. Reyes, QA/QC Supervisor
2011.06.30 08:40:20 -04'00'

CHEMTECH

CASE NARRATIVE

Malcolm Pirnie, Inc.
Project Name: NYSDEC-Almy Brothers
Project # N/A
Chemtech Project # C2653
Test Name: Dissolved ICP-TAL Metals,Dissolved Mercury,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
11 Water samples were received on 06/14/2011.

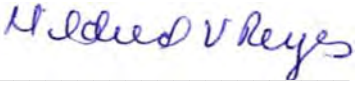
B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Herbicide, Mercury, Metals ICP-TAL, METALS-TAL, Pesticide-TCL, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for Dissolved ICP-TAL Metals,Dissolved Mercury,Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Dissolved ICP-TAL Metals,Metals ICP-TAL was based on method 6010B, digestion based on method 3010 (waters). The analysis and digestion of Dissolved Mercury,Mercury was based on method 7470A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (C2653-10S) analysis met criteria for all samples except for Mercury.
The Matrix Spike Duplicate (C2653-11SD) analysis met criteria for all samples except for Mercury.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
Samples with lab id C2653-01 through C2653-07 were analyzed for Metals ICP-TAL and Samples with lab id C2653-09 through C2653-11 were analyzed for Dissolved ICP-TAL Metals .

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

Signature____ 

Mildred V. Reyes, QA/QC Supervisor
2011.06.30 08:37:13 -04'00'

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041618.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	3		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041618.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.3		66 - 150	125%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		76 - 130	103%	SPK: 50
2037-26-5	Toluene-d8	56.1		78 - 121	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 - 131	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	439593	4.08			
540-36-3	1,4-Difluorobenzene	813508	4.6			
3114-55-4	Chlorobenzene-d5	699312	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	307483	10.44			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041618.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041624.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	19		0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	170	E	0.2	1	ug/L
71-43-2	Benzene	2.7		0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041624.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	2.7		0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.2		66 - 150	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		76 - 130	105%	SPK: 50
2037-26-5	Toluene-d8	59.7		78 - 121	119%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5		70 - 131	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	438127	4.08			
540-36-3	1,4-Difluorobenzene	798071	4.6			
3114-55-4	Chlorobenzene-d5	741274	7.95			
3855-82-1	1,4-Dichlorobenzene-d4	335680	10.44			
TENTATIVE IDENTIFIED COMPOUNDS						
000109-66-0	Pentane	23	J		1.51	ug/L
000075-83-2	Butane, 2,2-dimethyl-	19	J		1.79	ug/L
000107-83-5	Pentane, 2-methyl-	240	J		2.05	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041624.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000096-14-0	Pentane, 3-methyl-	260	J		2.21	ug/L
000096-37-7	Cyclopentane, methyl-	66	J		2.85	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	26	J		3.51	ug/L
001759-58-6	Cyclopentane, 1,3-dimethyl-, trans	43	J		3.77	ug/L
002453-00-1	Cyclopentane, 1,3-dimethyl-	35	J		3.82	ug/L
000822-50-4	Cyclopentane, 1,2-dimethyl-, trans	41	J		3.88	ug/L
103-65-1	n-propylbenzene	10	J		9.53	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.8	J		9.73	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	50	J		9.92	ug/L
135-98-8	sec-Butylbenzene	5.0	J		10.19	ug/L
104-51-8	n-Butylbenzene	8.3	J		10.7	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6SDL	SDG No.:	C2653
Lab Sample ID:	C2653-04DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041654.D	10		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10	U	2	10	ug/L
74-87-3	Chloromethane	10	U	2	10	ug/L
75-01-4	Vinyl Chloride	10	U	3.4	10	ug/L
74-83-9	Bromomethane	10	U	2	10	ug/L
75-00-3	Chloroethane	10	U	2	10	ug/L
75-69-4	Trichlorofluoromethane	10	U	3.5	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	4.5	10	ug/L
75-35-4	1,1-Dichloroethene	10	U	4.7	10	ug/L
67-64-1	Acetone	50	U	5	50	ug/L
75-15-0	Carbon Disulfide	10	U	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	3.5	10	ug/L
79-20-9	Methyl Acetate	10	U	2	10	ug/L
75-09-2	Methylene Chloride	10	U	4.1	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	U	4.1	10	ug/L
75-34-3	1,1-Dichloroethane	10	U	3.6	10	ug/L
110-82-7	Cyclohexane	18	D	2	10	ug/L
78-93-3	2-Butanone	50	U	13	50	ug/L
56-23-5	Carbon Tetrachloride	10	U	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	10	U	3.5	10	ug/L
67-66-3	Chloroform	10	U	3.4	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	4	10	ug/L
108-87-2	Methylcyclohexane	170	D	2	10	ug/L
71-43-2	Benzene	10	U	3.2	10	ug/L
107-06-2	1,2-Dichloroethane	10	U	4.8	10	ug/L
79-01-6	Trichloroethene	10	U	2.8	10	ug/L
78-87-5	1,2-Dichloropropane	10	U	4.6	10	ug/L
75-27-4	Bromodichloromethane	10	U	3.6	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	21	50	ug/L
108-88-3	Toluene	10	U	3.7	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	2.9	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	U	3.1	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6SDL	SDG No.:	C2653
Lab Sample ID:	C2653-04DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041654.D	10		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	U	3.8	10	ug/L
591-78-6	2-Hexanone	50	U	19	50	ug/L
124-48-1	Dibromochloromethane	10	U	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	U	4.1	10	ug/L
127-18-4	Tetrachloroethene	10	U	2.7	10	ug/L
108-90-7	Chlorobenzene	10	U	4.9	10	ug/L
100-41-4	Ethyl Benzene	10	U	2	10	ug/L
179601-23-1	m/p-Xylenes	20	U	9.5	20	ug/L
95-47-6	o-Xylene	10	U	4.3	10	ug/L
100-42-5	Styrene	10	U	3.6	10	ug/L
75-25-2	Bromoform	10	U	4.7	10	ug/L
98-82-8	Isopropylbenzene	10	U	4.5	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	3.1	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	4.3	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	3.2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	4.5	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	4.6	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	2	10	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.9		66 - 150	124%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		76 - 130	102%	SPK: 50
2037-26-5	Toluene-d8	55.4		78 - 121	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	59		70 - 131	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	536135	4.08			
540-36-3	1,4-Difluorobenzene	989140	4.59			
3114-55-4	Chlorobenzene-d5	920024	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	394956	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6SDL	SDG No.:	C2653
Lab Sample ID:	C2653-04DL	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041654.D	10		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041625.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	2.3		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	0.69	J	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	64		0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	12		0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041625.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	7.7		0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.7		66 - 150	129%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		76 - 130	106%	SPK: 50
2037-26-5	Toluene-d8	56.2		78 - 121	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 - 131	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	377015	4.08			
540-36-3	1,4-Difluorobenzene	770498	4.6			
3114-55-4	Chlorobenzene-d5	698989	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	297995	10.44			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041625.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	C2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041626.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	4.8		0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	C2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041626.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	0.55	J	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.3		66 - 150	123%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		76 - 130	104%	SPK: 50
2037-26-5	Toluene-d8	58.8		78 - 121	118%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 - 131	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	466625	4.08			
540-36-3	1,4-Difluorobenzene	803102	4.6			
3114-55-4	Chlorobenzene-d5	750071	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	328399	10.43			
TENTATIVE IDENTIFIED COMPOUNDS						
000079-29-8	Butane, 2,3-dimethyl-	7.1	J		2.05	ug/L
000096-14-0	Pentane, 3-methyl-	5.4	J		2.21	ug/L
103-65-1	n-propylbenzene	0.91	J		9.53	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	C2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041626.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041655.D	1		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	2.4		0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20		0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	70		0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	13		0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041655.D	1		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	8.3		0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	70.5		66 - 150	141%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		76 - 130	107%	SPK: 50
2037-26-5	Toluene-d8	59.6		78 - 121	119%	SPK: 50
460-00-4	4-Bromofluorobenzene	65.4		70 - 131	131%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	404829	4.07			
540-36-3	1,4-Difluorobenzene	866633	4.6			
3114-55-4	Chlorobenzene-d5	840761	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	366972	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041655.D	1		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	TRIPBLANK	SDG No.:	C2653
Lab Sample ID:	C2653-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041623.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	3.6	B	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	TRIPBLANK	SDG No.:	C2653
Lab Sample ID:	C2653-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041623.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.5		66 - 150	125%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		76 - 130	100%	SPK: 50
2037-26-5	Toluene-d8	56.4		78 - 121	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54		70 - 131	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	427660	4.08			
540-36-3	1,4-Difluorobenzene	821156	4.6			
3114-55-4	Chlorobenzene-d5	706920	7.95			
3855-82-1	1,4-Dichlorobenzene-d4	302496	10.44			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	TRIPBLANK	SDG No.:	C2653
Lab Sample ID:	C2653-08	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041623.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID:	**DGC-2**								
C2653-01	DGC-2	WATER	Methyl tert-butyl Ether		3.00		1.0	0.35	ug/L
			Total Voc :			**3.00**			
			Total Concentration:			**3.00**			
Client ID:	**DGC-6D**								
C2653-05	DGC-6D	WATER	Vinyl Chloride		2.30		1.0	0.34	ug/L
C2653-05	DGC-6D	WATER	1,1-Dichloroethene		0.69	J	1.0	0.47	ug/L
C2653-05	DGC-6D	WATER	Methyl tert-butyl Ether		20.00		1.0	0.35	ug/L
C2653-05	DGC-6D	WATER	cis-1,2-Dichloroethene		64.00		1.0	0.35	ug/L
C2653-05	DGC-6D	WATER	Trichloroethene		12.00		1.0	0.28	ug/L
C2653-05	DGC-6D	WATER	Tetrachloroethene		7.70		1.0	0.27	ug/L
			Total Voc :			**106.69**			
			Total Concentration:			**106.69**			
Client ID:	**DGC-6S**								
C2653-04	DGC-6S	WATER	Cyclohexane		19.00		1.0	0.20	ug/L
C2653-04	DGC-6S	WATER	Methylcyclohexane		170.00	E	1.0	0.20	ug/L
C2653-04	DGC-6S	WATER	Benzene		2.70		1.0	0.32	ug/L
C2653-04	DGC-6S	WATER	Isopropylbenzene		2.70		1.0	0.45	ug/L
			Total Voc :			**194.40**			
C2653-04	DGC-6S	WATER	n-propylbenzene	*	10.00	J	1.0	0.45	ug/L
C2653-04	DGC-6S	WATER	1,3,5-Trimethylbenzene	*	1.80	J	1.0	0.46	ug/L
C2653-04	DGC-6S	WATER	sec-Butylbenzene	*	5.00	J	1.0	0.46	ug/L
C2653-04	DGC-6S	WATER	n-Butylbenzene	*	8.30	J	1.0	0.41	ug/L
C2653-04	DGC-6S	WATER	Butane, 2,2-dimethyl-	*	19.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Pentane, 3-methyl-	*	260.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Cyclopentane, methyl-	*	66.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Pentane, 2-methyl-	*	240.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Pentane	*	23.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1,2,3-trimethyl-	*	50.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Pentane, 2,3-dimethyl-	*	26.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Cyclopentane, 1,2-dimethyl-, trar	*	41.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Cyclopentane, 1,3-dimethyl-, trar	*	43.00	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Cyclopentane, 1,3-dimethyl-	*	35.00	J	0	0	ug/L
			Total Tics :			**828.10**			
			Total Concentration:			**1,022.50**			
Client ID:	**DGC-6SDL**								
C2653-04DL	DGC-6SDL	WATER	Cyclohexane		18.00	D	10	2.0	ug/L
C2653-04DL	DGC-6SDL	WATER	Methylcyclohexane		170.00	D	10	2.0	ug/L
			Total Voc :			**188.00**			
			Total Concentration:			**188.00**			

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID:	**DGC-8S**								
C2653-06	DGC-8S	WATER	Benzene		4.80		1.0	0.32	ug/L
C2653-06	DGC-8S	WATER	Isopropylbenzene		0.55	J	1.0	0.45	ug/L
			Total Voc :			**5.35**			
C2653-06	DGC-8S	WATER	n-propylbenzene	*	0.91	J	1.0	0.45	ug/L
C2653-06	DGC-8S	WATER	Butane, 2,3-dimethyl-	*	7.10	J	0	0	ug/L
C2653-06	DGC-8S	WATER	Pentane, 3-methyl-	*	5.40	J	0	0	ug/L
			Total Tics :			**13.41**			
			Total Concentration:			**18.76**			
Client ID:	**DUP-01**								
C2653-07	DUP-01	WATER	Vinyl Chloride		2.40		1.0	0.34	ug/L
C2653-07	DUP-01	WATER	Methyl tert-butyl Ether		20.00		1.0	0.35	ug/L
C2653-07	DUP-01	WATER	cis-1,2-Dichloroethene		70.00		1.0	0.35	ug/L
C2653-07	DUP-01	WATER	Trichloroethene		13.00		1.0	0.28	ug/L
C2653-07	DUP-01	WATER	Tetrachloroethene		8.30		1.0	0.27	ug/L
			Total Voc :			**113.70**			
			Total Concentration:			**113.70**			
Client ID:	**TRIPBLANK**								
C2653-08	TRIPBLANK	WATER	Methylene Chloride		3.60	B	1.0	0.41	ug/L
			Total Voc :			**3.60**			
			Total Concentration:			**3.60**			

CHEMTECH

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **CASE No.:** C2653 **SAS No.:** C2653 **SDG NO.:** C2653

Analytical Method: EPA SW846 8260

	Lab Sample ID.	Client Sample NO.	SMC1 (DCE) #	SMC2 (DBFM) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBH0619W1	VBH0619W1	117	99	112	108	0
02	BSH0619W1	BSH0619W1	106	101	114	111	0
03	C2653-01	DGC-2	125	103	112	101	0
04	C2653-02MS	DGC-2MS	113	104	113	122	0
05	C2653-03MSD	DGC-2MSD	124	105	113	122	0
06	C2653-08	TRIPBLANK	125	100	113	108	0
07	C2653-04	DGC-6S	122	105	119	115	0
08	C2653-05	DGC-6D	129	106	113	101	0
09	C2653-06	DGC-8S	123	104	118	111	0
10	VBH0620W1	VBH0620W1	119	91	97	90	0
11	BSH0620W1	BSH0620W1	109	90	97	95	0
12	C2653-04DL	DGC-6SDL	124	102	111	118	0
13	C2653-07	DUP-01	141	107	119	131	0

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(70-120)
SMC2 (DBFM) =Dibromofluoromethane	(85-115)
SMC3 (TOL) =Toluene-d8	(85-120)
SMC4 (BFB) =4-Bromofluorobenzene	(75-120)

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

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : C2653-02 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041619.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	50	0	50	100	(24-175)
Chloromethane	50	0	67	134	(29-190)
Vinyl Chloride	50	0	60	120	(39-171)
Bromomethane	50	0	54	108	(34-167)
Chloroethane	50	0	48	96	(38-170)
Trichlorofluoromethane	50	0	54	108	(38-171)
1,1,2-Trichlorotrifluoroethane	50	0	54	108	(47-152)
1,1-Dichloroethene	50	0	55	110	(47-149)
Acetone	250	0	270	108	(28-181)
Carbon Disulfide	50	0	53	106	(34-160)
Methyl tert-butyl Ether	50	3	61	116	(39-166)
Methyl Acetate	50	0	65	130	(29-176)
Methylene Chloride	50	0	56	112	(48-149)
trans-1,2-Dichloroethene	50	0	53	106	(53-143)
1,1-Dichloroethane	50	0	61	122	(57-150)
Cyclohexane	50	0	54	108	(42-159)
2-Butanone	250	0	300	120	(47-160)
Carbon Tetrachloride	50	0	50	100	(38-158)
cis-1,2-Dichloroethene	50	0	54	108	(41-160)
Chloroform	50	0	57	114	(56-152)
1,1,1-Trichloroethane	50	0	56	112	(57-148)
Methylcyclohexane	50	0	48	96	(41-152)
Benzene	50	0	54	108	(59-140)
1,2-Dichloroethane	50	0	55	110	(56-151)
Trichloroethene	50	0	46	92	(49-146)
1,2-Dichloropropane	50	0	59	118	(63-140)
Bromodichloromethane	50	0	55	110	(60-144)
4-Methyl-2-Pentanone	250	0	350	140	(51-160)
Toluene	50	0	51	102	(60-139)
t-1,3-Dichloropropene	50	0	57	114	(51-148)
cis-1,3-Dichloropropene	50	0	55	110	(53-143)
1,1,2-Trichloroethane	50	0	55	110	(65-138)
2-Hexanone	250	0	300	120	(44-170)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 90 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : C2653-02 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041619.D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC
Dibromochloromethane	50	0	53	106	(56-146)
1,2-Dibromoethane	50	0	54	108	(63-142)
Tetrachloroethene	50	0	29	58	(23-148)
Chlorobenzene	50	0	47	94	(57-136)
Ethyl Benzene	50	0	47	94	(49-146)
m/p-Xylenes	100	0	98	98	(51-140)
o-Xylene	50	0	48	96	(54-139)
Styrene	50	0	49	98	(48-141)
Bromoform	50	0	46	92	(48-141)
Isopropylbenzene	50	0	47	94	(48-143)
1,1,2,2-Tetrachloroethane	50	0	50	100	(52-151)
1,3-Dichlorobenzene	50	0	46	92	(63-129)
1,4-Dichlorobenzene	50	0	44	88	(57-134)
1,2-Dichlorobenzene	50	0	45	90	(57-136)
1,2-Dibromo-3-Chloropropane	50	0	49	98	(46-157)
1,2,4-Trichlorobenzene	50	0	36	72	(53-137)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 90 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : C2653-03 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041620.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	%	QC LIMITS RPD	REC
Dichlorodifluoromethane	50	61	122	20	20	(24-175)
Chloromethane	50	74	148	10	20	(29-190)
Vinyl Chloride	50	67	134	11	20	(39-171)
Bromomethane	50	62	124	14	20	(34-167)
Chloroethane	50	52	104	8	20	(38-170)
Trichlorofluoromethane	50	65	130	18	20	(38-171)
1,1,2-Trichlorotrifluoroethane	50	63	126	15	20	(47-152)
1,1-Dichloroethene	50	61	122	10	20	(47-149)
Acetone	250	300	120	11	20	(28-181)
Carbon Disulfide	50	61	122	14	20	(34-160)
Methyl tert-butyl Ether	50	68	130	11	20	(39-166)
Methyl Acetate	50	73	146	12	20	(29-176)
Methylene Chloride	50	61	122	9	20	(48-149)
trans-1,2-Dichloroethene	50	58	116	9	20	(53-143)
1,1-Dichloroethane	50	67	134	9	20	(57-150)
Cyclohexane	50	60	120	11	20	(42-159)
2-Butanone	250	320	128	6	20	(47-160)
Carbon Tetrachloride	50	52	104	4	20	(38-158)
cis-1,2-Dichloroethene	50	60	120	11	20	(41-160)
Chloroform	50	59	118	3	20	(56-152)
1,1,1-Trichloroethane	50	60	120	7	20	(57-148)
Methylcyclohexane	50	47	94	2	20	(41-152)
Benzene	50	55	110	2	20	(59-140)
1,2-Dichloroethane	50	56	112	2	20	(56-151)
Trichloroethene	50	49	98	6	20	(49-146)
1,2-Dichloropropane	50	60	120	2	20	(63-140)
Bromodichloromethane	50	57	114	4	20	(60-144)
4-Methyl-2-Pentanone	250	330	132	6	20	(51-160)
Toluene	50	52	104	2	20	(60-139)
t-1,3-Dichloropropene	50	59	118	3	20	(51-148)
cis-1,3-Dichloropropene	50	53	106	4	20	(53-143)
1,1,2-Trichloroethane	50	55	110	0	20	(65-138)
2-Hexanone	250	310	124	3	20	(44-170)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 90 outside limits

Spike Recovery : 14 Out of 180 outside limits

CHEMTECH

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : C2653-03 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041620.D

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % (ug/L)	%	QC LIMITS RPD	REC
Dibromochloromethane	50	54	108	2	20	(56-146)
1,2-Dibromoethane	50	56	112	4	20	(63-142)
Tetrachloroethene	50	29	58	0	20	(23-148)
Chlorobenzene	50	46	92	2	20	(57-136)
Ethyl Benzene	50	46	92	2	20	(49-146)
m/p-Xylenes	100	93	93	5	20	(51-140)
o-Xylene	50	47	94	2	20	(54-139)
Styrene	50	47	94	4	20	(48-141)
Bromoform	50	44	88	4	20	(48-141)
Isopropylbenzene	50	47	94	0	20	(48-143)
1,1,2,2-Tetrachloroethane	50	52	104	4	20	(52-151)
1,3-Dichlorobenzene	50	46	92	0	20	(63-129)
1,4-Dichlorobenzene	50	46	92	4	20	(57-134)
1,2-Dichlorobenzene	50	46	92	2	20	(57-136)
1,2-Dibromo-3-Chloropropane	50	55	110	12	20	(46-157)
1,2,4-Trichlorobenzene	50	37	74	3	20	(53-137)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 90 outside limits

Spike Recovery : 14 Out of 180 outside limits

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : BSH0619W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041609.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		23	115	(35-124)
Chloromethane	20		26	130*	(40-125)
Vinyl Chloride	20		22	110	(50-144)
Bromomethane	20		21	105	(44-145)
Chloroethane	20		21	105	(60-135)
Trichlorofluoromethane	20		21	105	(60-137)
1,1,2-Trichlorotrifluoroethane	20		26	130	(52-142)
1,1-Dichloroethene	20		23	115	(70-130)
Acetone	100		160	160*	(50-140)
Carbon Disulfide	20		22	110	(36-155)
Methyl tert-butyl Ether	20		23	115	(65-125)
Methyl Acetate	20		26	130	(51-158)
Methylene Chloride	20		61	305*	(61-138)
trans-1,2-Dichloroethene	20		21	105	(60-137)
1,1-Dichloroethane	20		24	120	(70-135)
Cyclohexane	20		24	120	(56-141)
2-Butanone	100		130	130	(56-150)
Carbon Tetrachloride	20		20	100	(65-138)
cis-1,2-Dichloroethene	20		22	110	(70-125)
Chloroform	20		23	115	(67-135)
1,1,1-Trichloroethane	20		23	115	(65-130)
Methylcyclohexane	20		22	110	(56-137)
Benzene	20		21	105	(80-120)
1,2-Dichloroethane	20		21	105	(70-130)
Trichloroethene	20		19	95	(70-125)
1,2-Dichloropropane	20		22	110	(75-125)
Bromodichloromethane	20		21	105	(75-120)
4-Methyl-2-Pentanone	100		120	120	(63-135)
Toluene	20		20	100	(75-120)
t-1,3-Dichloropropene	20		21	105	(66-135)
cis-1,3-Dichloropropene	20		22	110	(70-130)
1,1,2-Trichloroethane	20		21	105	(75-125)
2-Hexanone	100		120	120	(56-130)
Dibromochloromethane	20		20	100	(64-135)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 7 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : BSH0619W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041609.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		20	100	(80-120)
Tetrachloroethene	20		14	70	(45-178)
Chlorobenzene	20		20	100	(80-120)
Ethyl Benzene	20		21	105	(75-125)
m/p-Xylenes	40		40	100	(75-130)
o-Xylene	20		20	100	(80-120)
Styrene	20		20	100	(65-135)
Bromoform	20		17	85	(70-130)
Isopropylbenzene	20		19	95	(75-125)
1,1,2,2-Tetrachloroethane	20		20	100	(65-130)
1,3-Dichlorobenzene	20		17	85	(75-125)
1,4-Dichlorobenzene	20		18	90	(75-125)
1,2-Dichlorobenzene	20		17	85	(70-120)
1,2-Dibromo-3-Chloropropane	20		20	100	(54-130)
1,2,4-Trichlorobenzene	20		15	75	(65-133)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 7 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : BSH0620W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041652.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		22	110	(35-124)
Chloromethane	20		25	125	(40-125)
Vinyl Chloride	20		24	120	(50-144)
Bromomethane	20		22	110	(44-145)
Chloroethane	20		22	110	(60-135)
Trichlorofluoromethane	20		21	105	(60-137)
1,1,2-Trichlorotrifluoroethane	20		24	120	(52-142)
1,1-Dichloroethene	20		23	115	(70-130)
Acetone	100		160	160*	(50-140)
Carbon Disulfide	20		22	110	(36-155)
Methyl tert-butyl Ether	20		23	115	(65-125)
Methyl Acetate	20		28	140	(51-158)
Methylene Chloride	20		21	105	(61-138)
trans-1,2-Dichloroethene	20		22	110	(60-137)
1,1-Dichloroethane	20		23	115	(70-135)
Cyclohexane	20		23	115	(56-141)
2-Butanone	100		130	130	(56-150)
Carbon Tetrachloride	20		21	105	(65-138)
cis-1,2-Dichloroethene	20		22	110	(70-125)
Chloroform	20		23	115	(67-135)
1,1,1-Trichloroethane	20		23	115	(65-130)
Methylcyclohexane	20		21	105	(56-137)
Benzene	20		21	105	(80-120)
1,2-Dichloroethane	20		22	110	(70-130)
Trichloroethene	20		18	90	(70-125)
1,2-Dichloropropane	20		22	110	(75-125)
Bromodichloromethane	20		21	105	(75-120)
4-Methyl-2-Pentanone	100		120	120	(63-135)
Toluene	20		20	100	(75-120)
t-1,3-Dichloropropene	20		22	110	(66-135)
cis-1,3-Dichloropropene	20		22	110	(70-130)
1,1,2-Trichloroethane	20		22	110	(75-125)
2-Hexanone	100		120	120	(56-130)
Dibromochloromethane	20		20	100	(64-135)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 90 outside limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Malcolm Pirnie, Inc.

Lab Code: CHEM **Cas No:** C2653 **SAS No :** C2653 **SDG No:** C2653

Matrix Spike - EPA Sample No : BSH0620W1 **Analytical Method:** EPA SW846 8260 **Datafile :** VH041652.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
1,2-Dibromoethane	20		20	100	(80-120)
Tetrachloroethene	20		13	65	(45-178)
Chlorobenzene	20		18	90	(80-120)
Ethyl Benzene	20		19	95	(75-125)
m/p-Xylenes	40		36	90	(75-130)
o-Xylene	20		18	90	(80-120)
Styrene	20		18	90	(65-135)
Bromoform	20		17	85	(70-130)
Isopropylbenzene	20		22	110	(75-125)
1,1,2,2-Tetrachloroethane	20		24	120	(65-130)
1,3-Dichlorobenzene	20		21	105	(75-125)
1,4-Dichlorobenzene	20		20	100	(75-125)
1,2-Dichlorobenzene	20		20	100	(70-120)
1,2-Dibromo-3-Chloropropane	20		21	105	(54-130)
1,2,4-Trichlorobenzene	20		17	85	(65-133)

 # Column to be used to flag recovery and RPD values with an asterisk
*** Values outside of QC limits**

RPD : 0 Out of 0 outside limits

Spike Recovery : 5 Out of 90 outside limits

Comments: _____

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH0619W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab File ID: VH041608.D Lab Sample ID: VBH0619W1

Date Analyzed: 06/19/2011 Time Analyzed: 12:20

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

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSH0619W1	BSH0619W1	VH041609.D	06/19/2011
DGC-2	C2653-01	VH041618.D	06/19/2011
DGC-2MS	C2653-02MS	VH041619.D	06/19/2011
DGC-2MSD	C2653-03MSD	VH041620.D	06/19/2011
TRIPBLANK	C2653-08	VH041623.D	06/19/2011
DGC-6S	C2653-04	VH041624.D	06/19/2011
DGC-6D	C2653-05	VH041625.D	06/19/2011
DGC-8S	C2653-06	VH041626.D	06/19/2011

COMMENTS:

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBH0620W1

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab File ID: VH041651.D Lab Sample ID: VBH0620W1

Date Analyzed: 06/20/2011 Time Analyzed: 13:52

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

Instrument ID: MSVOAH

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSH0620W1	BSH0620W1	VH041652.D	06/20/2011
DGC-6SDL	C2653-04DL	VH041654.D	06/20/2011
DUP-01	C2653-07	VH041655.D	06/20/2011

COMMENTS:

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	VBH0619W1	SDG No.:	C2653
Lab Sample ID:	VBH0619W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041608.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	25		0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	VBH0619W1	SDG No.:	C2653
Lab Sample ID:	VBH0619W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041608.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.7		70 - 120	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		85 - 115	99%	SPK: 50
2037-26-5	Toluene-d8	56		85 - 120	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		75 - 120	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	613542	4.08			
540-36-3	1,4-Difluorobenzene	1106090	4.6			
3114-55-4	Chlorobenzene-d5	961585	7.95			
3855-82-1	1,4-Dichlorobenzene-d4	391415	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	VBH0619W1	SDG No.:	C2653
Lab Sample ID:	VBH0619W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041608.D	1		06/19/11	VH061911

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	VBH0620W1	SDG No.:	C2653
Lab Sample ID:	VBH0620W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041651.D	1		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1	U	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.34	1	ug/L
74-83-9	Bromomethane	1	U	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.35	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.45	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.47	1	ug/L
67-64-1	Acetone	5	U	0.5	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	1	ug/L
75-09-2	Methylene Chloride	1	U	0.41	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.41	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.36	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.35	1	ug/L
67-66-3	Chloroform	1	U	0.34	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.4	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	1	ug/L
71-43-2	Benzene	1	U	0.32	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.48	1	ug/L
79-01-6	Trichloroethene	1	U	0.28	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.46	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.36	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	2.1	5	ug/L
108-88-3	Toluene	1	U	0.37	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.29	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.31	1	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	VBH0620W1	SDG No.:	C2653
Lab Sample ID:	VBH0620W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041651.D	1		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.38	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.41	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.27	1	ug/L
108-90-7	Chlorobenzene	1	U	0.49	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.95	2	ug/L
95-47-6	o-Xylene	1	U	0.43	1	ug/L
100-42-5	Styrene	1	U	0.36	1	ug/L
75-25-2	Bromoform	1	U	0.47	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.45	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.31	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.43	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.32	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.45	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.46	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	1	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.7		70 - 120	119%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		85 - 115	91%	SPK: 50
2037-26-5	Toluene-d8	48.3		85 - 120	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		75 - 120	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	548211	4.08			
540-36-3	1,4-Difluorobenzene	1033530	4.59			
3114-55-4	Chlorobenzene-d5	846742	7.94			
3855-82-1	1,4-Dichlorobenzene-d4	346870	10.43			

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	VBH0620W1	SDG No.:	C2653
Lab Sample ID:	VBH0620W1	Matrix:	WATER
Analytical Method:	SW8260B	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH041651.D	1		06/20/11	VH062011

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab File ID: VH041606.D Date Analyzed: 06/19/2011

Instrument ID: MSVOAH Time Analyzed: 11:09

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	626947	4.08	1105255	4.60	931948	7.95
UPPER LIMIT	1253894	4.58	2210510	5.1	1863896	8.45
LOWER LIMIT	313473.5	3.58	552627.5	4.1	465974	7.45
EPA SAMPLE NO.						
BSH0619W1	588663	4.09	1058810	4.60	881896	7.94
DGC-2	439593	4.08	813508	4.60	699312	7.94
DGC-2MS	435930	4.08	766988	4.59	713291	7.95
DGC-2MSD	451328	4.08	815163	4.60	765772	7.94
DGC-6S	438127	4.08	798071	4.60	741274	7.95
DGC-6D	377015	4.08	770498	4.60	698989	7.94
DGC-8S	466625	4.08	803102	4.60	750071	7.94
TRIPBLANK	427660	4.08	821156	4.60	706920	7.95
VBH0619W1	613542	4.08	1106085	4.60	961585	7.95

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab File ID: VH041606.D Date Analyzed: 06/19/2011

Instrument ID: MSVOAH Time Analyzed: 11:09

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

	IS4 AREA #	RT #				
12 HOUR STD	401474	10.44				
UPPER LIMIT	802948	10.94				
LOWER LIMIT	200737	9.94				
EPA SAMPLE NO.						
BSH0619W1	426931	10.44				
DGC-2	307483	10.44				
DGC-2MS	351750	10.44				
DGC-2MSD	357306	10.44				
DGC-6S	335680	10.44				
DGC-6D	297995	10.44				
DGC-8S	328399	10.43				
TRIPBLANK	302496	10.44				
VBH0619W1	391415	10.43				

IS4 = 1,4-Dichlorobenzene-d4

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

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

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab File ID: VH041649.D Date Analyzed: 06/20/2011

Instrument ID: MSVOAH Time Analyzed: 12:49

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	596405	4.07	1104370	4.59	952483	7.94
UPPER LIMIT	1192810	4.57	2208740	5.09	1904966	8.44000
LOWER LIMIT	298202.5	3.57	552185	4.09	476241.5	7.44
EPA SAMPLE NO.						
BSH0620W1	620743	4.07	1121235	4.59	999020	7.94
DGC-6SDL	536135	4.08	989140	4.59	920024	7.94
DUP-01	404829	4.07	866633	4.60	840761	7.94
VBH0620W1	548211	4.08	1033528	4.59	846742	7.94

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab File ID: VH041649.D Date Analyzed: 06/20/2011

Instrument ID: MSVOAH Time Analyzed: 12:49

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

	IS4 AREA #	RT #				
12 HOUR STD	413369	10.43				
UPPER LIMIT	826738	10.93				
LOWER LIMIT	206684.5	9.93				
EPA SAMPLE NO.						
BSH0620W1	396232	10.44				
DGC-6SDL	394956	10.43				
DUP-01	366972	10.43				
VBH0620W1	346870	10.43				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071511.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071511.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.			Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers			Date Received:	06/14/11
Client Sample ID:	DGC-2			SDG No.:	C2653
Lab Sample ID:	C2653-01			Matrix:	WATER
Analytical Method:	SW8270C			% Moisture:	100
Sample Wt/Vol:	970	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF		Decanted : N	Level :	LOW
Injection Volume :	1		GPC Factor : 1.0	GPC Cleanup : N	PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071511.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	62.2		20 - 110	41%	SPK: 150
13127-88-3	Phenol-d5	37.4		10 - 160	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.1		40 - 110	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.1		50 - 110	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		40 - 125	92%	SPK: 150
1718-51-0	Terphenyl-d14	102		50 - 135	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	14503	8.96			
1146-65-2	Naphthalene-d8	60801	11.13			
15067-26-2	Acenaphthene-d10	36226	14.09			
1517-22-2	Phenanthrene-d10	63869	16.57			
1719-03-5	Chrysene-d12	63276	21.1			
1520-96-3	Perylene-d12	57964	25.12			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	12	AB		6.21	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071518.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.78	10	ug/L
108-95-2	Phenol	10	U	0.21	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.56	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.55	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.38	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	10	ug/L
67-72-1	Hexachloroethane	10	U	0.25	10	ug/L
98-95-3	Nitrobenzene	10	U	0.69	10	ug/L
78-59-1	Isophorone	10	U	0.3	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.53	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.72	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.56	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.67	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.25	10	ug/L
105-60-2	Caprolactam	10	U	2	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.4	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.32	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.57	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.4	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.49	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	10	ug/L
208-96-8	Acenaphthylene	10	U	0.71	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.32	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071518.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.38	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	10	ug/L
86-73-7	Fluorene	10	U	0.31	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.75	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.61	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	10	ug/L
1912-24-9	Atrazine	10	U	0.4	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.7	10	ug/L
85-01-8	Phenanthrene	10	U	0.26	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.22	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	10	ug/L
206-44-0	Fluoranthene	10	U	0.4	10	ug/L
129-00-0	Pyrene	10	U	0.2	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.18	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	1.7	J	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.52	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.29	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.42	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071518.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.29	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	45.2		20 - 110	30%	SPK: 150
13127-88-3	Phenol-d5	28		10 - 160	19%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.5		40 - 110	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		50 - 110	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		40 - 125	83%	SPK: 150
1718-51-0	Terphenyl-d14	88.7		50 - 135	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	14166	8.95			
1146-65-2	Naphthalene-d8	56249	11.13			
15067-26-2	Acenaphthene-d10	32435	14.09			
1517-22-2	Phenanthrene-d10	57985	16.57			
1719-03-5	Chrysene-d12	58439	21.1			
1520-96-3	Perylene-d12	56726	25.13			
TENTATIVE IDENTIFIED COMPOUNDS						
3683-19-0	(Z)-4-Methyl-2-hexene	3.9	J		4.13	ug/L
108-87-2	Cyclohexane, methyl-	15	J		4.52	ug/L
589-90-2	Cyclohexane, 1,4-dimethyl-	3.9	J		5.36	ug/L
473-91-6	Cyclopentene, 1,2,3-trimethyl-	7.4	J		5.54	ug/L
2808-76-6	1,3-Dimethyl-1-cyclohexene	5.9	J		5.76	ug/L
1515-79-3	5,5-Dimethyl-1,3-hexadiene	3.6	J		6.09	ug/L
	unknown6.20	12	J		6.2	ug/L
694-72-4	Pentalene, octahydro-	4.5	J		6.85	ug/L
103-65-1	Benzene, propyl-	7.8	J		8.08	ug/L
611-14-3	Benzene, 1-ethyl-2-methyl-	4.0	J		8.45	ug/L
141-93-5	Benzene, 1,3-diethyl-	13	J		9.36	ug/L
934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	22	J		9.48	ug/L
105-05-5	Benzene, 1,4-diethyl-	4.5	J		9.53	ug/L
1074-55-1	Benzene, 1-methyl-4-propyl-	11	J		9.62	ug/L
527-84-4	Benzene, 1-methyl-2-(1-methylethyl	4.3	J		10.11	ug/L
488-23-3	Benzene, 1,2,3,4-tetramethyl-	11	J		10.25	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup : N	PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071518.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
934-10-1	3-Phenylbut-1-ene	5.5	J		10.57	ug/L
17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethy	4.4	J		11.21	ug/L
791-28-6	Triphenylphosphine oxide	3.7	JB		21.25	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071519.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.8	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.15	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071519.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.42	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.17	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071519.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	50.2		20 - 110	33%	SPK: 150
13127-88-3	Phenol-d5	29.5		10 - 160	20%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.5		40 - 110	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.8		50 - 110	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		40 - 125	91%	SPK: 150
1718-51-0	Terphenyl-d14	87.9		50 - 135	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	14058	8.96			
1146-65-2	Naphthalene-d8	59043	11.13			
15067-26-2	Acenaphthene-d10	35526	14.09			
1517-22-2	Phenanthrene-d10	62178	16.57			
1719-03-5	Chrysene-d12	59828	21.1			
1520-96-3	Perylene-d12	54436	25.12			
TENTATIVE IDENTIFIED COMPOUNDS						
127-18-4	Tetrachloroethylene	4.0	J		5.77	ug/L
	unknown6.21	7.9	J		6.21	ug/L
2240-47-3	Phosphine imide, P,P,P-triphenyl-	2.9	J		21.25	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	C2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071520.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.8	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.15	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.4	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.71	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.74	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.69	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	3	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.42	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.42	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.16	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.17	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.73	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	C2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071520.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.4	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.77	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.42	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.17	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.42	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.17	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.17	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.15	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.16	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.44	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.			Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers			Date Received:	06/14/11
Client Sample ID:	DGC-8S			SDG No.:	C2653
Lab Sample ID:	C2653-06			Matrix:	WATER
Analytical Method:	SW8270C			% Moisture:	100
Sample Wt/Vol:	960	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF		Decanted : N	Level :	LOW
Injection Volume :	1		GPC Factor : 1.0	GPC Cleanup : N	PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071520.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	54.6		20 - 110	36%	SPK: 150
13127-88-3	Phenol-d5	32		10 - 160	21%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.3		40 - 110	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.8		50 - 110	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		40 - 125	86%	SPK: 150
1718-51-0	Terphenyl-d14	92.8		50 - 135	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	13766	8.96			
1146-65-2	Naphthalene-d8	57615	11.13			
15067-26-2	Acenaphthene-d10	33440	14.09			
1517-22-2	Phenanthrene-d10	60232	16.57			
1719-03-5	Chrysene-d12	60239	21.1			
1520-96-3	Perylene-d12	54583	25.12			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.21	8.6	J		6.21	ug/L
2240-47-3	Phosphine imide, P,P,P-triphenyl-	2.7	J		21.25	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071521.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.79	10	ug/L
108-95-2	Phenol	10	U	0.22	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.57	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.56	10	ug/L
95-48-7	2-Methylphenol	10	U	0.25	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.18	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.39	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.21	10	ug/L
67-72-1	Hexachloroethane	10	U	0.26	10	ug/L
98-95-3	Nitrobenzene	10	U	0.7	10	ug/L
78-59-1	Isophorone	10	U	0.31	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.54	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.73	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.57	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.68	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.26	10	ug/L
105-60-2	Caprolactam	10	U	2.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.41	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.33	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.25	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.58	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.41	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.51	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.23	10	ug/L
208-96-8	Acenaphthylene	10	U	0.72	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.33	10	ug/L

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071521.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.22	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.2	10	ug/L
100-02-7	4-Nitrophenol	10	U	2.1	10	ug/L
132-64-9	Dibenzofuran	10	U	0.25	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1.1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.39	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.22	10	ug/L
86-73-7	Fluorene	10	U	0.32	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.76	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.62	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.24	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.19	10	ug/L
1912-24-9	Atrazine	10	U	0.41	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.8	10	ug/L
85-01-8	Phenanthrene	10	U	0.27	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.23	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2.1	10	ug/L
206-44-0	Fluoranthene	10	U	0.41	10	ug/L
129-00-0	Pyrene	10	U	0.21	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.2	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2.1	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.19	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.53	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.3	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.19	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.43	10	ug/L

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 5

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071521.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.3	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	41.4		20 - 110	28%	SPK: 150
13127-88-3	Phenol-d5	24.4		10 - 160	16%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.8		40 - 110	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.8		50 - 110	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		40 - 125	83%	SPK: 150
1718-51-0	Terphenyl-d14	82.2		50 - 135	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	14823	8.96			
1146-65-2	Naphthalene-d8	59908	11.13			
15067-26-2	Acenaphthene-d10	35982	14.09			
1517-22-2	Phenanthrene-d10	64095	16.57			
1719-03-5	Chrysene-d12	63306	21.1			
1520-96-3	Perylene-d12	58963	25.12			
TENTATIVE IDENTIFIED COMPOUNDS						
127-18-4	Tetrachloroethylene	3.8	J		5.77	ug/L
	unknown6.21	7.7	J		6.21	ug/L
791-28-6	Triphenylphosphine oxide	2.8	JB		21.25	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID : DGC-2									
C2653-01	DGC-2	WATER	2-Pentanone, 4-hydroxy-4-methyl-	*	12.000	AB	0	0	ug/L
			Total Tics :			**12.00**			
			Total Concentration:			**12.00**			
Client ID : DGC-6D									
C2653-05	DGC-6D	WATER	Phosphine imide, P,P,P-triphenyl-	*	2.900	J	0	0	ug/L
C2653-05	DGC-6D	WATER	Tetrachloroethylene	*	4.000	J	0	0	ug/L
C2653-05	DGC-6D	WATER	unknown6.21	*	7.900	J	0	0	ug/L
			Total Tics :			**14.80**			
			Total Concentration:			**14.80**			
Client ID : DGC-6S									
C2653-04	DGC-6S	WATER	bis(2-Ethylhexyl)phthalate		1.700	J	10	0.160	ug/L
			Total Svoc :			**1.70**			
C2653-04	DGC-6S	WATER	Cyclohexane, 1,4-dimethyl-	*	3.900	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Cyclohexane, methyl-	*	15.000	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Cyclopentene, 1,2,3-trimethyl-	*	7.400	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Pentalene, octahydro-	*	4.500	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Triphenylphosphine oxide	*	3.700	JB	0	0	ug/L
C2653-04	DGC-6S	WATER	unknown6.20	*	12.000	J	0	0	ug/L
C2653-04	DGC-6S	WATER	(Z)-4-Methyl-2-hexene	*	3.900	J	0	0	ug/L
C2653-04	DGC-6S	WATER	1,3-Dimethyl-1-cyclohexene	*	5.900	J	0	0	ug/L
C2653-04	DGC-6S	WATER	1H-Indene, 2,3-dihydro-1,6-dimethy	*	4.400	J	0	0	ug/L
C2653-04	DGC-6S	WATER	3-Phenylbut-1-ene	*	5.500	J	0	0	ug/L
C2653-04	DGC-6S	WATER	5,5-Dimethyl-1,3-hexadiene	*	3.600	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1,2,3,4-tetramethyl-	*	11.000	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1,3-diethyl-	*	13.000	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1,4-diethyl-	*	4.500	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1-ethyl-2-methyl-	*	4.000	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1-ethyl-3,5-dimethyl-	*	22.000	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1-methyl-2-(1-methylethyl	*	4.300	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, 1-methyl-4-propyl-	*	11.000	J	0	0	ug/L
C2653-04	DGC-6S	WATER	Benzene, propyl-	*	7.800	J	0	0	ug/L
			Total Tics :			**147.40**			
			Total Concentration:			**149.10**			
Client ID : DGC-8S									
C2653-06	DGC-8S	WATER	Phosphine imide, P,P,P-triphenyl-	*	2.700	J	0	0	ug/L
C2653-06	DGC-8S	WATER	unknown6.21	*	8.600	J	0	0	ug/L
			Total Tics :			**11.30**			
			Total Concentration:			**11.30**			

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Sample ID	Client ID		Parameter		Concentration	C	RDL	MDL	Units
Client ID : DUP-01									
C2653-07	DUP-01	WATER	Tetrachloroethylene	*	3.800	J	0	0	ug/L
C2653-07	DUP-01	WATER	Triphenylphosphine oxide	*	2.800	JB	0	0	ug/L
C2653-07	DUP-01	WATER	unknown6.21	*	7.700	J	0	0	ug/L
			Total Tics :		**14.30**				
			Total Concentration:		**14.30**				

CHEMTECH

Surrogate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
C2653-01	DGC-2	2-Fluorophenol	150	62.24	41		20	110
		Phenol-d5	150	37.37	25		10	160
		Nitrobenzene-d5	100	99.06	99		40	110
		2-Fluorobiphenyl	100	95.06	95		50	110
		2,4,6-Tribromophenol	150	137.79	92		40	125
		Terphenyl-d14	100	102.28	102		50	135
C2653-02MS	DGC-2MS	2-Fluorophenol	150	58.83	39		20	110
		Phenol-d5	150	38.35	26		10	160
		Nitrobenzene-d5	100	107.39	107		40	110
		2-Fluorobiphenyl	100	100.33	100		50	110
		2,4,6-Tribromophenol	150	150.06	100		40	125
		Terphenyl-d14	100	100.28	100		50	135
C2653-03MSD	DGC-2MSD	2-Fluorophenol	150	61.72	41		20	110
		Phenol-d5	150	40.68	27		10	160
		Nitrobenzene-d5	100	107.65	108		40	110
		2-Fluorobiphenyl	100	93.89	94		50	110
		2,4,6-Tribromophenol	150	145.16	97		40	125
		Terphenyl-d14	100	92.55	93		50	135
C2653-04	DGC-6S	2-Fluorophenol	150	45.18	30		20	110
		Phenol-d5	150	27.98	19		10	160
		Nitrobenzene-d5	100	87.53	88		40	110
		2-Fluorobiphenyl	100	85.56	86		50	110
		2,4,6-Tribromophenol	150	124.08	83		40	125
		Terphenyl-d14	100	88.69	89		50	135
C2653-05	DGC-6D	2-Fluorophenol	150	50.16	33		20	110
		Phenol-d5	150	29.51	20		10	160
		Nitrobenzene-d5	100	98.46	98		40	110
		2-Fluorobiphenyl	100	91.79	92		50	110
		2,4,6-Tribromophenol	150	135.99	91		40	125
		Terphenyl-d14	100	87.92	88		50	135
C2653-06	DGC-8S	2-Fluorophenol	150	54.55	36		20	110
		Phenol-d5	150	31.95	21		10	160
		Nitrobenzene-d5	100	94.29	94		40	110
		2-Fluorobiphenyl	100	90.85	91		50	110
		2,4,6-Tribromophenol	150	129.36	86		40	125
		Terphenyl-d14	100	92.79	93		50	135
C2653-07	DUP-01	2-Fluorophenol	150	41.44	28		20	110
		Phenol-d5	150	24.44	16		10	160
		Nitrobenzene-d5	100	87.79	88		40	110
		2-Fluorobiphenyl	100	84.75	85		50	110
		2,4,6-Tribromophenol	150	124.29	83		40	125
		Terphenyl-d14	100	82.22	82		50	135
PB56101B	PB56101B	2-Fluorophenol	150	60.86	41		20	110
		Phenol-d5	150	39.02	26		10	160
		Nitrobenzene-d5	100	101.01	101		40	110
		2-Fluorobiphenyl	100	95.80	96		50	110
		2,4,6-Tribromophenol	150	143.12	95		40	125
		Terphenyl-d14	100	115.52	116		50	135
PB56101BS	PB56101BS	2-Fluorophenol	150	58.01	39		20	110
		Phenol-d5	150	36.84	25		10	160
		Nitrobenzene-d5	100	104.79	105		40	110
		2-Fluorobiphenyl	100	98.46	98		50	110

CHEMTECH

Surrogate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB56101BS	PB56101BS	2,4,6-Tribromophenol	150	150.37	100		40	125
		Terphenyl-d14	100	105.94	106		50	135

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: C2653-02MS	**Client Sample ID: DGC-2MS**									
Benzaldehyde	50	0	11	22				10	160	
Phenol	50	0	14	28				10	161	
bis(2-Chloroethyl)ether	50	0	44	88				35	110	
2-Chlorophenol	50	0	37	74				35	105	
2-Methylphenol	50	0	32	64				40	110	
2,2-oxybis(1-Chloropropane)	50	0	56	112				30	130	
Acetophenone	50	0	49	98				42	139	
3+4-Methylphenols	50	0	28	56				30	110	
N-Nitroso-di-n-propylamine	50	0	51	102				35	130	
Hexachloroethane	50	0	40	80				30	100	
Nitrobenzene	50	0	52	104				45	110	
Isophorone	50	0	51	102				50	110	
2-Nitrophenol	50	0	45	90				40	115	
2,4-Dimethylphenol	50	0	43	86				30	110	
bis(2-Chloroethoxy)methane	50	0	48	96				45	105	
2,4-Dichlorophenol	50	0	45	90				50	105	
Naphthalene	50	0	44	88				40	100	
4-Chloroaniline	50	0	37	74				15	110	
Hexachlorobutadiene	50	0	45	90				25	105	
Caprolactam	50	0	8.1	16				10	160	
4-Chloro-3-methylphenol	50	0	48	96				45	110	
2-Methylnaphthalene	50	0	49	98				45	105	
Hexachlorocyclopentadiene	100	0	92	92				10	145	
2,4,6-Trichlorophenol	50	0	50	100				50	115	
2,4,5-Trichlorophenol	50	0	49	98				50	110	
1,1-Biphenyl	50	0	48	96				35	142	
2-Chloronaphthalene	50	0	48	96				50	105	
2-Nitroaniline	50	0	63	126	*			50	115	
Dimethylphthalate	50	0	51	102				25	125	
Acenaphthylene	50	0	51	102				50	105	
2,6-Dinitrotoluene	50	0	50	100				50	115	
3-Nitroaniline	50	0	36	72				20	125	
Acenaphthene	50	0	55	110				45	110	
2,4-Dinitrophenol	100	0	92	92				15	140	
4-Nitrophenol	100	0	38	38				10	161	
Dibenzofuran	50	0	50	100				55	105	
2,4-Dinitrotoluene	50	0	53	106				50	120	
Diethylphthalate	50	0	53	106				40	120	
4-Chlorophenyl-phenylether	50	0	51	102				50	110	
Fluorene	50	0	51	102				50	110	
4-Nitroaniline	50	0	49	98				35	120	
4,6-Dinitro-2-methylphenol	50	0	48	96				40	130	
N-Nitrosodiphenylamine	50	0	49	98				50	110	
4-Bromophenyl-phenylether	50	0	50	100				50	115	
Hexachlorobenzene	50	0	49	98				50	110	
Atrazine	50	0	51	102				25	169	
Pentachlorophenol	100	0	110	110				40	115	
Phenanthrene	50	0	49	98				50	115	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	49	98				55	110	
Carbazole	50	0	50	100				50	115	
Di-n-butylphthalate	50	0	51	102				55	115	
Fluoranthene	50	0	49	98				55	115	
Pyrene	50	0	50	100				50	130	
Butylbenzylphthalate	50	0	54	108				45	115	
3,3-Dichlorobenzidine	50	0	37	74				20	110	
Benzo(a)anthracene	50	0	49	98				55	110	
Chrysene	50	0	48	96				55	110	
bis(2-Ethylhexyl)phthalate	50	0	53	106				40	125	
Di-n-octyl phthalate	50	0	53	106				35	135	
Benzo(b)fluoranthene	50	0	50	100				45	120	
Benzo(k)fluoranthene	50	0	50	100				45	125	
Benzo(a)pyrene	50	0	50	100				55	110	
Indeno(1,2,3-cd)pyrene	50	0	49	98				45	125	
Dibenz(a,h)anthracene	50	0	50	100				40	125	
Benzo(g,h,i)perylene	50	0	51	102				40	125	

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: C2653-03MSD	**Client Sample ID: DGC-2MSD**									
Benzaldehyde	50	0	12	24		9		10	160	20
Phenol	50	0	15	30		7		10	161	20
bis(2-Chloroethyl)ether	50	0	44	88		0		35	110	20
2-Chlorophenol	50	0	38	76		3		35	105	20
2-Methylphenol	50	0	33	66		3		40	110	20
2,2-oxybis(1-Chloropropane)	50	0	56	112		0		30	130	20
Acetophenone	50	0	51	102		4		42	139	20
3+4-Methylphenols	50	0	29	58		4		30	110	20
N-Nitroso-di-n-propylamine	50	0	49	98		4		35	130	20
Hexachloroethane	50	0	37	74		8		30	100	20
Nitrobenzene	50	0	53	106		2		45	110	20
Isophorone	50	0	52	104		2		50	110	20
2-Nitrophenol	50	0	47	94		4		40	115	20
2,4-Dimethylphenol	50	0	45	90		5		30	110	20
bis(2-Chloroethoxy)methane	50	0	49	98		2		45	105	20
2,4-Dichlorophenol	50	0	45	90		0		50	105	20
Naphthalene	50	0	44	88		0		40	100	20
4-Chloroaniline	50	0	32	64		14		15	110	20
Hexachlorobutadiene	50	0	42	84		7		25	105	20
Caprolactam	50	0	9.4	19		17		10	160	20
4-Chloro-3-methylphenol	50	0	48	96		0		45	110	20
2-Methylnaphthalene	50	0	47	94		4		45	105	20
Hexachlorocyclopentadiene	100	0	89	89		3		10	145	20
2,4,6-Trichlorophenol	50	0	49	98		2		50	115	20
2,4,5-Trichlorophenol	50	0	50	100		2		50	110	20
1,1-Biphenyl	50	0	47	94		2		35	142	20
2-Chloronaphthalene	50	0	46	92		4		50	105	20
2-Nitroaniline	50	0	60	120	*	5		50	115	20
Dimethylphthalate	50	0	50	100		2		25	125	20
Acenaphthylene	50	0	48	96		6		50	105	20
2,6-Dinitrotoluene	50	0	49	98		2		50	115	20
3-Nitroaniline	50	0	34	68		6		20	125	20
Acenaphthene	50	0	53	106		4		45	110	20
2,4-Dinitrophenol	100	0	96	96		4		15	140	20
4-Nitrophenol	100	0	40	40		5		10	161	20
Dibenzofuran	50	0	48	96		4		55	105	20
2,4-Dinitrotoluene	50	0	52	104		2		50	120	20
Diethylphthalate	50	0	52	104		2		40	120	20
4-Chlorophenyl-phenylether	50	0	49	98		4		50	110	20
Fluorene	50	0	49	98		4		50	110	20
4-Nitroaniline	50	0	48	96		2		35	120	20
4,6-Dinitro-2-methylphenol	50	0	50	100		4		40	130	20
N-Nitrosodiphenylamine	50	0	50	100		2		50	110	20
4-Bromophenyl-phenylether	50	0	49	98		2		50	115	20
Hexachlorobenzene	50	0	50	100		2		50	110	20
Atrazine	50	0	50	100		2		25	169	20
Pentachlorophenol	100	0	110	110		0		40	115	20
Phenanthrene	50	0	50	100		2		50	115	20

CHEMTECH

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Anthracene	50	0	49	98		0		55	110	20
Carbazole	50	0	49	98		2		50	115	20
Di-n-butylphthalate	50	0	51	102		0		55	115	20
Fluoranthene	50	0	49	98		0		55	115	20
Pyrene	50	0	49	98		2		50	130	20
Butylbenzylphthalate	50	0	52	104		4		45	115	20
3,3-Dichlorobenzidine	50	0	33	66		11		20	110	20
Benzo(a)anthracene	50	0	48	96		2		55	110	20
Chrysene	50	0	48	96		0		55	110	20
bis(2-Ethylhexyl)phthalate	50	0	52	104		2		40	125	20
Di-n-octyl phthalate	50	0	52	104		2		35	135	20
Benzo(b)fluoranthene	50	0	53	106		6		45	120	20
Benzo(k)fluoranthene	50	0	51	102		2		45	125	20
Benzo(a)pyrene	50	0	51	102		2		55	110	20
Indeno(1,2,3-cd)pyrene	50	0	48	96		2		45	125	20
Dibenz(a,h)anthracene	50	0	50	100		0		40	125	20
Benzo(g,h,i)perylene	50	0	51	102		0		40	125	20

CHEMTECH

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

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB56101BS	Benzaldehyde	50	13	26				10	161	
	Phenol	50	13	26				10	132	
	bis(2-Chloroethyl)ether	50	42	84				38	110	
	2-Chlorophenol	50	36	72				35	105	
	2-Methylphenol	50	29	58				40	110	
	2,2-oxybis(1-Chloropropane)	50	53	106				46	118	
	Acetophenone	50	46	92				57	116	
	3+4-Methylphenols	50	26	52				30	110	
	N-Nitroso-di-n-propylamine	50	48	96				49	120	
	Hexachloroethane	50	38	76				30	100	
	Nitrobenzene	50	49	98				45	110	
	Isophorone	50	49	98				50	110	
	2-Nitrophenol	50	43	86				49	115	
	2,4-Dimethylphenol	50	37	74				30	110	
	bis(2-Chloroethoxy)methane	50	45	90				48	105	
	2,4-Dichlorophenol	50	41	82				50	105	
	Naphthalene	50	41	82				42	100	
	4-Chloroaniline	50	34	68				15	110	
	Hexachlorobutadiene	50	41	82				33	105	
	Caprolactam	50	7.4	15				10	161	
	4-Chloro-3-methylphenol	50	44	88				45	110	
	2-Methylnaphthalene	50	44	88				51	105	
	Hexachlorocyclopentadiene	100	84	84				10	155	
	2,4,6-Trichlorophenol	50	48	96				50	115	
	2,4,5-Trichlorophenol	50	47	94				50	110	
	1,1-Biphenyl	50	45	90				58	115	
	2-Chloronaphthalene	50	45	90				52	105	
	2-Nitroaniline	50	59	118		*		62	115	
	Dimethylphthalate	50	48	96				25	125	
	Acenaphthylene	50	47	94				52	105	
	2,6-Dinitrotoluene	50	48	96				65	115	
	3-Nitroaniline	50	37	74				20	120	
	Acenaphthene	50	52	104				51	110	
	2,4-Dinitrophenol	100	88	88				15	136	
	4-Nitrophenol	100	32	32				10	161	
	Dibenzofuran	50	46	92				61	105	
	2,4-Dinitrotoluene	50	50	100				68	120	
	Diethylphthalate	50	50	100				51	120	
	4-Chlorophenyl-phenylether	50	48	96				62	110	
	Fluorene	50	47	94				55	110	
	4-Nitroaniline	50	46	92				66	120	
	4,6-Dinitro-2-methylphenol	50	48	96				40	130	
	N-Nitrosodiphenylamine	50	48	96				64	110	
	4-Bromophenyl-phenylether	50	48	96				63	115	
	Hexachlorobenzene	50	48	96				50	110	
	Atrazine	50	51	102				61	132	

CHEMTECH

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

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8270

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB56101BS	Pentachlorophenol	100	100	100				40	115	
	Phenanthrene	50	48	96				55	115	
	Anthracene	50	47	94				59	110	
	Carbazole	50	48	96				70	115	
	Di-n-butylphthalate	50	50	100				72	115	
	Fluoranthene	50	49	98				61	115	
	Pyrene	50	47	94				62	128	
	Butylbenzylphthalate	50	50	100				66	115	
	3,3-Dichlorobenzidine	50	39	78				20	110	
	Benzo(a)anthracene	50	47	94				55	110	
	Chrysene	50	46	92				55	110	
	bis(2-Ethylhexyl)phthalate	50	50	100				69	125	
	Di-n-octyl phthalate	50	51	102				66	131	
	Benzo(b)fluoranthene	50	49	98				48	120	
	Benzo(k)fluoranthene	50	48	96				54	125	
	Benzo(a)pyrene	50	48	96				55	110	
	Indeno(1,2,3-cd)pyrene	50	47	94				45	125	
	Dibenz(a,h)anthracene	50	48	96				45	125	
	Benzo(g,h,i)perylene	50	48	96				54	125	

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB56101B

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab File ID: BE071512.D Lab Sample ID: PB56101B

Instrument ID: BNAE Date Extracted: 06/15/2011

Matrix: (soil/water) WATER Date Analyzed: 06/17/2011

Level: (low/med) LOW Time Analyzed: 04:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
DUP-01	C2653-07	BE071521.D	06/17/2011
DGC-8S	C2653-06	BE071520.D	06/17/2011
DGC-6D	C2653-05	BE071519.D	06/17/2011
DGC-6S	C2653-04	BE071518.D	06/17/2011
PB56101BS	PB56101BS	BE071513.D	06/17/2011
DGC-2	C2653-01	BE071511.D	06/17/2011
DGC-2MSD	C2653-03MSD	BE071510.D	06/17/2011
DGC-2MS	C2653-02MS	BE071509.D	06/17/2011

COMMENTS:

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	PB56101B	SDG No.:	C2653
Lab Sample ID:	PB56101B	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071512.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10	U	0.77	10	ug/L
108-95-2	Phenol	10	U	0.21	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	10	U	0.55	10	ug/L
95-57-8	2-Chlorophenol	10	U	0.54	10	ug/L
95-48-7	2-Methylphenol	10	U	0.24	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	10	U	0.17	10	ug/L
98-86-2	Acetophenone	10	U	0.14	10	ug/L
65794-96-9	3+4-Methylphenols	10	U	0.38	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	10	U	0.2	10	ug/L
67-72-1	Hexachloroethane	10	U	0.25	10	ug/L
98-95-3	Nitrobenzene	10	U	0.68	10	ug/L
78-59-1	Isophorone	10	U	0.3	10	ug/L
88-75-5	2-Nitrophenol	10	U	0.52	10	ug/L
105-67-9	2,4-Dimethylphenol	10	U	0.71	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10	U	0.55	10	ug/L
120-83-2	2,4-Dichlorophenol	10	U	0.66	10	ug/L
91-20-3	Naphthalene	10	U	0.12	10	ug/L
106-47-8	4-Chloroaniline	10	U	2.9	10	ug/L
87-68-3	Hexachlorobutadiene	10	U	0.25	10	ug/L
105-60-2	Caprolactam	10	U	2	10	ug/L
59-50-7	4-Chloro-3-methylphenol	10	U	0.4	10	ug/L
91-57-6	2-Methylnaphthalene	10	U	0.32	10	ug/L
77-47-4	Hexachlorocyclopentadiene	10	U	0.24	10	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	0.56	10	ug/L
95-95-4	2,4,5-Trichlorophenol	10	U	0.4	10	ug/L
92-52-4	1,1-Biphenyl	10	U	0.15	10	ug/L
91-58-7	2-Chloronaphthalene	10	U	0.16	10	ug/L
88-74-4	2-Nitroaniline	10	U	0.49	10	ug/L
131-11-3	Dimethylphthalate	10	U	0.22	10	ug/L
208-96-8	Acenaphthylene	10	U	0.7	10	ug/L
606-20-2	2,6-Dinitrotoluene	10	U	0.32	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	PB56101B	SDG No.:	C2653
Lab Sample ID:	PB56101B	Matrix:	WATER
Analytical Method:	SW8270C	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071512.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	10	U	1.1	10	ug/L
83-32-9	Acenaphthene	10	U	0.21	10	ug/L
51-28-5	2,4-Dinitrophenol	10	U	2.1	10	ug/L
100-02-7	4-Nitrophenol	10	U	2	10	ug/L
132-64-9	Dibenzofuran	10	U	0.24	10	ug/L
121-14-2	2,4-Dinitrotoluene	10	U	1	10	ug/L
84-66-2	Diethylphthalate	10	U	0.38	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	10	U	0.21	10	ug/L
86-73-7	Fluorene	10	U	0.31	10	ug/L
100-01-6	4-Nitroaniline	10	U	1.4	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10	U	0.74	10	ug/L
86-30-6	N-Nitrosodiphenylamine	10	U	0.6	10	ug/L
101-55-3	4-Bromophenyl-phenylether	10	U	0.23	10	ug/L
118-74-1	Hexachlorobenzene	10	U	0.18	10	ug/L
1912-24-9	Atrazine	10	U	0.4	10	ug/L
87-86-5	Pentachlorophenol	10	U	1.7	10	ug/L
85-01-8	Phenanthrene	10	U	0.26	10	ug/L
120-12-7	Anthracene	10	U	0.16	10	ug/L
86-74-8	Carbazole	10	U	0.22	10	ug/L
84-74-2	Di-n-butylphthalate	10	U	2	10	ug/L
206-44-0	Fluoranthene	10	U	0.4	10	ug/L
129-00-0	Pyrene	10	U	0.2	10	ug/L
85-68-7	Butylbenzylphthalate	10	U	0.19	10	ug/L
91-94-1	3,3-Dichlorobenzidine	10	U	2	10	ug/L
56-55-3	Benzo(a)anthracene	10	U	0.16	10	ug/L
218-01-9	Chrysene	10	U	0.18	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	10	U	0.16	10	ug/L
117-84-0	Di-n-octyl phthalate	10	U	0.51	10	ug/L
205-99-2	Benzo(b)fluoranthene	10	U	0.29	10	ug/L
207-08-9	Benzo(k)fluoranthene	10	U	0.18	10	ug/L
50-32-8	Benzo(a)pyrene	10	U	0.14	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	0.15	10	ug/L
53-70-3	Dibenz(a,h)anthracene	10	U	0.42	10	ug/L

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Report of Analysis

Client:	Malcolm Pirnie, Inc.			Date Collected:	
Project:	NYSDEC-Almy Brothers			Date Received:	
Client Sample ID:	PB56101B			SDG No.:	C2653
Lab Sample ID:	PB56101B			Matrix:	WATER
Analytical Method:	SW8270C			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF		Decanted : N	Level :	LOW
Injection Volume :	1		GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE071512.D	1	06/15/11	06/17/11	PB56101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	10	U	0.29	10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	60.9		20 - 110	41%	SPK: 150
13127-88-3	Phenol-d5	39		10 - 160	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		40 - 110	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.8		50 - 110	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		40 - 125	95%	SPK: 150
1718-51-0	Terphenyl-d14	115		50 - 135	116%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	13619	8.96			
1146-65-2	Naphthalene-d8	57083	11.13			
15067-26-2	Acenaphthene-d10	34335	14.09			
1517-22-2	Phenanthrene-d10	59846	16.57			
1719-03-5	Chrysene-d12	59096	21.1			
1520-96-3	Perylene-d12	53680	25.11			
TENTATIVE IDENTIFIED COMPOUNDS						
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	10	A		6.21	ug/L
80-05-7	Phenol, 4,4-(1-methylethylidene)b	2.2	J		18.96	ug/L
791-28-6	Triphenylphosphine oxide	2.2	J		21.25	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

EPA Sample No.: SSTD040 Date Analyzed: 06/16/2011

Lab File ID: BE071499.D Time Analyzed: 19:12

Instrument ID: BNAE GC Column: RXI-5 SILMS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	21433	8.96	91190	11.13	54696	14.09
	UPPER LIMIT	42866	9.46	182380	11.63	109392	14.59
	LOWER LIMIT	10716.5	8.46	45595	10.63	27348	13.59
	EPA SAMPLE NO.						
01	DGC-2MS	14529	8.96	60997	11.13	36039	14.09
02	DGC-2MSD	14494	8.95	59816	11.13	36226	14.09
03	DGC-2	14503	8.96	60801	11.13	36226	14.09
04	PB56101B	13619	8.96	57083	11.13	34335	14.09
05	PB56101BS	14317	8.95	60491	11.13	35116	14.09

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

EPA Sample No.: SSTD040 Date Analyzed: 06/16/2011

Lab File ID: BE071499.D Time Analyzed: 19:12

Instrument ID: BNAE GC Column: RXI-5 SILMS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	96484	16.57	97894	21.1	90468	25.13
	UPPER LIMIT	192968	17.07	195788	21.6	180936	25.63
	LOWER LIMIT	48242	16.07	48947	20.6	45234	24.63
	EPA SAMPLE NO.						
01	DGC-2MS	63879	16.57	64058	21.10	57864	25.12
02	DGC-2MSD	62434	16.57	64868	21.10	56861	25.12
03	DGC-2	63869	16.57	63276	21.10	57964	25.12
04	PB56101B	59846	16.57	59096	21.10	53680	25.11
05	PB56101BS	61037	16.57	64435	21.10	57669	25.11

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

EPA Sample No.: SSTD040 Date Analyzed: 06/17/2011

Lab File ID: BE071517.D Time Analyzed: 08:26

Instrument ID: BNAE GC Column: RXI-5 SILMS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	18979	8.95	80660	11.13	47573	14.09
	UPPER LIMIT	37958	9.45	161320	11.63	95146	14.59
	LOWER LIMIT	9489.5	8.45	40330	10.63	23786.5	13.59
	EPA SAMPLE NO.						
01	DGC-6D	14058	8.96	59043	11.13	35526	14.09
02	DGC-8S	13766	8.96	57615	11.13	33440	14.09
03	DUP-01	14823	8.96	59908	11.13	35982	14.09
04	DGC-6S	14166	8.95	56249	11.13	32435	14.09

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

EPA Sample No.: SSTD040 Date Analyzed: 06/17/2011

Lab File ID: BE071517.D Time Analyzed: 08:26

Instrument ID: BNAE GC Column: RXI-5 SILMS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	81033	16.57	81952	21.1	74122	25.13
	UPPER LIMIT	162066	17.07	163904	21.6	148244	25.63
	LOWER LIMIT	40516.5	16.07	40976	20.6	37061	24.63
	EPA SAMPLE NO.						
01	DGC-6D	62178	16.57	59828	21.10	54436	25.12
02	DGC-8S	60232	16.57	60239	21.10	54583	25.12
03	DUP-01	64095	16.57	63306	21.10	58963	25.12
04	DGC-6S	57985	16.57	58439	21.10	56726	25.13

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	990 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE001677.D	1	06/15/11	06/23/11	PB56127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2	U	0.165	2	ug/L
120-36-5	DICHLORPROP	2	U	0.266	2	ug/L
94-75-7	2,4-D	2	U	0.352	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	2	U	0.153	2	ug/L
93-76-5	2,4,5-T	2	U	0.174	2	ug/L
94-82-6	2,4-DB	2	U	0.637	2	ug/L
88-85-7	DINOSEB	2	U	0.181	2	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	166	*	43 - 172	33%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE001680.D	1	06/15/11	06/23/11	PB56127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2	U	0.166	2	ug/L
120-36-5	DICHLORPROP	2	U	0.268	2	ug/L
94-75-7	2,4-D	2	U	0.355	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	2	U	0.154	2	ug/L
93-76-5	2,4,5-T	2	U	0.176	2	ug/L
94-82-6	2,4-DB	2	U	0.644	2	ug/L
88-85-7	DINOSEB	2	U	0.183	2	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	257		43 - 172	52%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	990 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE001681.D	1	06/15/11	06/23/11	PB56127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2	U	0.165	2	ug/L
120-36-5	DICHLORPROP	2	U	0.266	2	ug/L
94-75-7	2,4-D	2	U	0.352	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	2	U	0.153	2	ug/L
93-76-5	2,4,5-T	2	U	0.174	2	ug/L
94-82-6	2,4-DB	2	U	0.637	2	ug/L
88-85-7	DINOSEB	2	U	0.181	2	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	278		43 - 172	56%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	C2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	990 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE001682.D	1	06/15/11	06/23/11	PB56127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2	U	0.165	2	ug/L
120-36-5	DICHLORPROP	2	U	0.266	2	ug/L
94-75-7	2,4-D	2	U	0.352	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	2	U	0.153	2	ug/L
93-76-5	2,4,5-T	2	U	0.174	2	ug/L
94-82-6	2,4-DB	2	U	0.637	2	ug/L
88-85-7	DINOSEB	2	U	0.181	2	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	268		43 - 172	54%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE001683.D	1	06/15/11	06/23/11	PB56127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2	U	0.163	2	ug/L
120-36-5	DICHLORPROP	2	U	0.263	2	ug/L
94-75-7	2,4-D	2	U	0.348	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	2	U	0.151	2	ug/L
93-76-5	2,4,5-T	2	U	0.172	2	ug/L
94-82-6	2,4-DB	2	U	0.631	2	ug/L
88-85-7	DINOSEB	2	U	0.179	2	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	244		43 - 172	49%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH

Hit Summary Sheet

SW-846

SDG No.: **Order ID:**

Client: **Project ID:**

Sample ID	Client ID	Parameter	Concentration	C	RDL	MDL	Units
Client ID :							

Total Concentration:

CHEMTECH

Surrogate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8151

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
I.BLK-PE001229.D	PIBLK-PE001229.D	2,4-DCAA	500	492.22	98		43	172
I.BLK-PE001672.D	PIBLK-PE001672.D	2,4-DCAA	500	524.8	105		43	172
PB56127BL	PB56127BL	2,4-DCAA	500	247.39	49		43	172
PB56127BS	PB56127BS	2,4-DCAA	500	464.98	93		43	172
C2653-01	DGC-2	2,4-DCAA	500	166.87	33	*	43	172
C2653-02MS	C2653-01MSMS	2,4-DCAA	500	156.32	31	*	43	172
C2653-03MSD	C2653-01MSDMSD	2,4-DCAA	500	122.13	24	*	43	172
C2653-04	DGC-6S	2,4-DCAA	500	257.76	52		43	172
C2653-05	DGC-6D	2,4-DCAA	500	278.93	56		43	172
C2653-06	DGC-8S	2,4-DCAA	500	268.36	54		43	172
C2653-07	DUP-01	2,4-DCAA	500	244.12	49		43	172
I.BLK-PE001686.D	PIBLK-PE001686.D	2,4-DCAA	500	443.18	89		43	172

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8151

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**C2653-01MSMS**										
C2653-02MS	DICAMBA	5.000		1.8	36	*			67	136	
	DICHLORPROP	5.000		1.7	34	*			88	119	
	2,4-D	5.000		1.9	38	*			83	130	
	2,4,5-TP(Silvex)	5.000		1.6	32	*			78	127	
	2,4,5-T	5.000		1.7	34	*			74	129	
	2,4-DB	5.000		1.7	34	*			53	149	
	Dinoseb	5.000		1.7	34	*			72	131	
Client Sample ID:	**C2653-01MSDMSD**										
C2653-03MSD	DICAMBA	5.102		1.5	29	*	22	*	67	136	20
	DICHLORPROP	5.102		1.5	29	*	16		88	119	20
	2,4-D	5.102		1.5	29	*	27	*	83	130	20
	2,4,5-TP(Silvex)	5.102		1.4	27	*	17		78	127	20
	2,4,5-T	5.102		1.4	27	*	23	*	74	129	20
	2,4-DB	5.102		1.6	31	*	9		53	149	20
	Dinoseb	5.102		1.5	29	*	16		72	131	20

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8151

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB56127BS	DICAMBA	5.000	4.6	92				67	136	
	DICHLORPROP	5.000	5.5	110				88	119	
	2,4-D	5.000	4.2	84				83	130	
	2,4,5-TP(Silvex)	5.000	4.5	90				78	127	
	2,4,5-T	5.000	4.2	84				74	129	
	2,4-DB	5.000	4.5	90				53	149	
	Dinoseb	5.000	4.5	90				72	131	

CHEMTECH

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB56127BL

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab Sample ID: PB56127BL Lab File ID: PE001674.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 06/15/2011

Date Analyzed (1): 06/23/2011 Date Analyzed (2): 06/23/2011

Time Analyzed (1): 14:57 Time Analyzed (2): 14:57

Instrument ID (1): ECD_E Instrument ID (2): ECD_E

GC Column (1): ZB-35-HT INFERNO ID: 0.25 (mm) GC Column (2): ZB-XLB-HT INFERNO ID: 0.25 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB56127BS	PB56127BS	PE001675.D	06/23/2011	06/23/2011
DGC-2	C2653-01	PE001677.D	06/23/2011	06/23/2011
C2653-01MSMS	C2653-02MS	PE001678.D	06/23/2011	06/23/2011
C2653-01MSDMSD	C2653-03MSD	PE001679.D	06/23/2011	06/23/2011
DGC-6S	C2653-04	PE001680.D	06/23/2011	06/23/2011
DGC-6D	C2653-05	PE001681.D	06/23/2011	06/23/2011
DGC-8S	C2653-06	PE001682.D	06/23/2011	06/23/2011
DUP-01	C2653-07	PE001683.D	06/23/2011	06/23/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	PB56127BL	SDG No.:	C2653
Lab Sample ID:	PB56127BL	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE001674.D	1	06/15/11	06/23/11	PB56127

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2	U	0.163	2	ug/L
120-36-5	DICHLORPROP	2	U	0.263	2	ug/L
94-75-7	2,4-D	2	U	0.348	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	2	U	0.151	2	ug/L
93-76-5	2,4,5-T	2	U	0.172	2	ug/L
94-82-6	2,4-DB	2	U	0.631	2	ug/L
88-85-7	DINOSEB	2	U	0.179	2	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	247		43 - 172	49%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	c2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Analytical Method:	SW8081A	% Moisture:	100 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 5		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD002620.D	1	06/16/11	06/23/11	PB56128

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.051	U	0.0052	0.051	ug/L
319-85-7	beta-BHC	0.051	U	0.0088	0.051	ug/L
319-86-8	delta-BHC	0.051	U	0.0057	0.051	ug/L
58-89-9	gamma-BHC	0.051	U	0.0056	0.051	ug/L
76-44-8	Heptachlor	0.051	U	0.007	0.051	ug/L
309-00-2	Aldrin	0.051	U	0.0063	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.051	U	0.0068	0.051	ug/L
959-98-8	Endosulfan I	0.051	U	0.0062	0.051	ug/L
60-57-1	Dieldrin	0.051	U	0.0048	0.051	ug/L
72-55-9	4,4-DDE	0.051	U	0.0041	0.051	ug/L
72-20-8	Endrin	0.051	U	0.0059	0.051	ug/L
33213-65-9	Endosulfan II	0.051	U	0.0056	0.051	ug/L
72-54-8	4,4-DDD	0.051	U	0.0072	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.051	U	0.0061	0.051	ug/L
50-29-3	4,4-DDT	0.051	U	0.006	0.051	ug/L
72-43-5	Methoxychlor	0.051	U	0.0043	0.051	ug/L
53494-70-5	Endrin ketone	0.051	U	0.0058	0.051	ug/L
7421-93-4	Endrin aldehyde	0.051	U	0.0046	0.051	ug/L
5103-71-9	alpha-Chlordane	0.051	U	0.005	0.051	ug/L
5103-74-2	gamma-Chlordane	0.051	U	0.0051	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.102	0.51	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		10 - 192	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.3		10 - 172	81%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	c2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Analytical Method:	SW8081A	% Moisture:	100 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 5		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD002612.D	1	06/16/11	06/23/11	PB56128

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.051	U	0.0052	0.051	ug/L
319-85-7	beta-BHC	0.051	U	0.0088	0.051	ug/L
319-86-8	delta-BHC	0.051	U	0.0057	0.051	ug/L
58-89-9	gamma-BHC	0.051	U	0.0056	0.051	ug/L
76-44-8	Heptachlor	0.051	U	0.007	0.051	ug/L
309-00-2	Aldrin	0.051	U	0.0063	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.051	U	0.0068	0.051	ug/L
959-98-8	Endosulfan I	0.051	U	0.0062	0.051	ug/L
60-57-1	Dieldrin	0.051	U	0.0048	0.051	ug/L
72-55-9	4,4-DDE	0.051	U	0.0041	0.051	ug/L
72-20-8	Endrin	0.051	U	0.0059	0.051	ug/L
33213-65-9	Endosulfan II	0.051	U	0.0056	0.051	ug/L
72-54-8	4,4-DDD	0.051	U	0.0072	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.051	U	0.0061	0.051	ug/L
50-29-3	4,4-DDT	0.051	U	0.006	0.051	ug/L
72-43-5	Methoxychlor	0.051	U	0.0043	0.051	ug/L
53494-70-5	Endrin ketone	0.051	U	0.0058	0.051	ug/L
7421-93-4	Endrin aldehyde	0.051	U	0.0046	0.051	ug/L
5103-71-9	alpha-Chlordane	0.051	U	0.005	0.051	ug/L
5103-74-2	gamma-Chlordane	0.051	U	0.0051	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.102	0.51	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.9		10 - 192	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15		10 - 172	75%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	c2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Analytical Method:	SW8081A	% Moisture:	100 Decanted:
Sample Wt/Vol:	960 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 5		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD002613.D	1	06/16/11	06/23/11	PB56128

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.052	U	0.0053	0.052	ug/L
319-85-7	beta-BHC	0.052	U	0.009	0.052	ug/L
319-86-8	delta-BHC	0.052	U	0.0058	0.052	ug/L
58-89-9	gamma-BHC	0.052	U	0.0057	0.052	ug/L
76-44-8	Heptachlor	0.052	U	0.0072	0.052	ug/L
309-00-2	Aldrin	0.052	U	0.0065	0.052	ug/L
1024-57-3	Heptachlor epoxide	0.052	U	0.007	0.052	ug/L
959-98-8	Endosulfan I	0.052	U	0.0064	0.052	ug/L
60-57-1	Dieldrin	0.052	U	0.0049	0.052	ug/L
72-55-9	4,4-DDE	0.052	U	0.0042	0.052	ug/L
72-20-8	Endrin	0.052	U	0.006	0.052	ug/L
33213-65-9	Endosulfan II	0.052	U	0.0057	0.052	ug/L
72-54-8	4,4-DDD	0.052	U	0.0074	0.052	ug/L
1031-07-8	Endosulfan Sulfate	0.052	U	0.0063	0.052	ug/L
50-29-3	4,4-DDT	0.052	U	0.0061	0.052	ug/L
72-43-5	Methoxychlor	0.052	U	0.0044	0.052	ug/L
53494-70-5	Endrin ketone	0.052	U	0.0059	0.052	ug/L
7421-93-4	Endrin aldehyde	0.052	U	0.0047	0.052	ug/L
5103-71-9	alpha-Chlordane	0.052	U	0.0051	0.052	ug/L
5103-74-2	gamma-Chlordane	0.052	U	0.0052	0.052	ug/L
8001-35-2	Toxaphene	0.52	U	0.104	0.52	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		10 - 192	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.2		10 - 172	71%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	c2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Analytical Method:	SW8081A	% Moisture:	100 Decanted:
Sample Wt/Vol:	990 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 5		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD002614.D	1	06/16/11	06/23/11	PB56128

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.051	U	0.0052	0.051	ug/L
319-85-7	beta-BHC	0.051	U	0.0087	0.051	ug/L
319-86-8	delta-BHC	0.051	U	0.0057	0.051	ug/L
58-89-9	gamma-BHC	0.051	U	0.0056	0.051	ug/L
76-44-8	Heptachlor	0.051	U	0.007	0.051	ug/L
309-00-2	Aldrin	0.051	U	0.0063	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.051	U	0.0068	0.051	ug/L
959-98-8	Endosulfan I	0.051	U	0.0062	0.051	ug/L
60-57-1	Dieldrin	0.051	U	0.0047	0.051	ug/L
72-55-9	4,4-DDE	0.051	U	0.004	0.051	ug/L
72-20-8	Endrin	0.051	U	0.0059	0.051	ug/L
33213-65-9	Endosulfan II	0.051	U	0.0056	0.051	ug/L
72-54-8	4,4-DDD	0.051	U	0.0072	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.051	U	0.0061	0.051	ug/L
50-29-3	4,4-DDT	0.051	U	0.006	0.051	ug/L
72-43-5	Methoxychlor	0.051	U	0.0042	0.051	ug/L
53494-70-5	Endrin ketone	0.051	U	0.0058	0.051	ug/L
7421-93-4	Endrin aldehyde	0.051	U	0.0045	0.051	ug/L
5103-71-9	alpha-Chlordane	0.051	U	0.0049	0.051	ug/L
5103-74-2	gamma-Chlordane	0.051	U	0.0051	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.101	0.51	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16		10 - 192	80%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14		10 - 172	70%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	c2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Analytical Method:	SW8081A	% Moisture:	100 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 5		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD002615.D	1	06/16/11	06/23/11	PB56128

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.051	U	0.0052	0.051	ug/L
319-85-7	beta-BHC	0.051	U	0.0088	0.051	ug/L
319-86-8	delta-BHC	0.051	U	0.0057	0.051	ug/L
58-89-9	gamma-BHC	0.051	U	0.0056	0.051	ug/L
76-44-8	Heptachlor	0.051	U	0.007	0.051	ug/L
309-00-2	Aldrin	0.051	U	0.0063	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.051	U	0.0068	0.051	ug/L
959-98-8	Endosulfan I	0.051	U	0.0062	0.051	ug/L
60-57-1	Dieldrin	0.051	U	0.0048	0.051	ug/L
72-55-9	4,4-DDE	0.051	U	0.0041	0.051	ug/L
72-20-8	Endrin	0.051	U	0.0059	0.051	ug/L
33213-65-9	Endosulfan II	0.051	U	0.0056	0.051	ug/L
72-54-8	4,4-DDD	0.051	U	0.0072	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.051	U	0.0061	0.051	ug/L
50-29-3	4,4-DDT	0.051	U	0.006	0.051	ug/L
72-43-5	Methoxychlor	0.051	U	0.0043	0.051	ug/L
53494-70-5	Endrin ketone	0.051	U	0.0058	0.051	ug/L
7421-93-4	Endrin aldehyde	0.051	U	0.0046	0.051	ug/L
5103-71-9	alpha-Chlordane	0.051	U	0.005	0.051	ug/L
5103-74-2	gamma-Chlordane	0.051	U	0.0051	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.102	0.51	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.9		10 - 192	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.7		10 - 172	73%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH

Hit Summary Sheet

SW-846

SDG No.: **Order ID:**

Client: **Project ID:**

Sample ID	Client ID	Parameter	Concentration	C	RDL	MDL	Units
Client ID :							

Total Concentration:

CHEMTECH

Surrogate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8081

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
I.BLK-PD002580.D	PIBLK-PD002580.D	Decachlorobiphenyl	20	18.55	93		10	192
		Tetrachloro-m-xylene	20	20.37	102		10	172
I.BLK-PD002593.D	PIBLK-PD002593.D	Decachlorobiphenyl	20	20.97	105		10	192
		Tetrachloro-m-xylene	20	20.2	101		10	172
PB56128BL	PB56128BL	Decachlorobiphenyl	20	21.74	109		10	192
		Tetrachloro-m-xylene	20	20.45	102		10	172
PB56128BS	PB56128BS	Decachlorobiphenyl	20	18.48	92		10	192
		Tetrachloro-m-xylene	20	17.14	86		10	172
I.BLK-PD002609.D	PIBLK-PD002609.D	Decachlorobiphenyl	20	23.72	119		10	192
		Tetrachloro-m-xylene	20	21.16	106		10	172
C2653-04	DGC-6S	Decachlorobiphenyl	20	17.89	89		10	192
		Tetrachloro-m-xylene	20	14.96	75		10	172
C2653-05	DGC-6D	Decachlorobiphenyl	20	16.75	84		10	192
		Tetrachloro-m-xylene	20	14.15	71		10	172
C2653-06	DGC-8S	Decachlorobiphenyl	20	16.02	80		10	192
		Tetrachloro-m-xylene	20	14	70		10	172
C2653-07	DUP-01	Decachlorobiphenyl	20	16.94	85		10	192
		Tetrachloro-m-xylene	20	14.67	73		10	172
C2653-01	DGC-2	Decachlorobiphenyl	20	20.49	102		10	192
		Tetrachloro-m-xylene	20	16.27	81		10	172
C2653-02MS	DGC-2MS	Decachlorobiphenyl	20	19.59	98		10	192
		Tetrachloro-m-xylene	20	15.59	78		10	172
C2653-03MSD	DGC-2MSD	Decachlorobiphenyl	20	19.7	99		10	192
		Tetrachloro-m-xylene	20	15.69	78		10	172
I.BLK-PD002623.D	PIBLK-PD002623.D	Decachlorobiphenyl	20	25.96	130		10	192
		Tetrachloro-m-xylene	20	22.66	113		10	172

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8081

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**DGC-2MS**										
C2653-02MS	alpha-BHC	0.5051	0	0.45	89				46	160	
	beta-BHC	0.5051	0	0.45	89				15	180	
	delta-BHC	0.5051	0	0.44	87				10	200	
	gamma-BHC (Lindane)	0.5051	0	0.46	91				39	164	
	Heptachlor	0.5051	0	0.49	97				38	169	
	Aldrin	0.5051	0	0.48	95				45	147	
	Heptachlor epoxide	0.5051	0	0.48	95				17	170	
	Endosulfan I	0.5051	0	0.49	97				34	157	
	Dieldrin	0.5051	0	0.48	95				46	155	
	4,4-DDE	0.5051	0	0.47	93				36	162	
	Endrin	0.5051	0	0.51	101				33	170	
	Endosulfan II	0.5051	0	0.48	95				21	168	
	4,4-DDD	0.5051	0	0.46	91				15	196	
	Endosulfan sulfate	0.5051	0	0.55	109				14	183	
	4,4-DDT	0.5051	0	0.60	119				15	194	
	Methoxychlor	0.5051	0	0.65	129				20	189	
	Endrin ketone	0.5051	0	0.56	111				25	200	
	Endrin aldehyde	0.5051	0	0.50	99				28	175	
	alpha-Chlordane	0.5051	0	0.41	81				34	160	
	gamma-Chlordane	0.5051	0	0.48	95				31	163	
Client Sample ID:	**DGC-2MSD**										
C2653-03MSD	alpha-BHC	0.5155	0	0.45	87		0		46	160	20
	beta-BHC	0.5155	0	0.46	89		2		15	180	20
	delta-BHC	0.5155	0	0.45	87		2		10	200	20
	gamma-BHC (Lindane)	0.5155	0	0.47	91		0		39	164	20
	Heptachlor	0.5155	0	0.43	83		16		38	169	20
	Aldrin	0.5155	0	0.49	95		2		45	147	22
	Heptachlor epoxide	0.5155	0	0.50	97		4		17	170	20
	Endosulfan I	0.5155	0	0.50	97		2		34	157	20
	Dieldrin	0.5155	0	0.49	95		2		46	155	20
	4,4-DDE	0.5155	0	0.48	93		2		36	162	20
	Endrin	0.5155	0	0.53	103		4		33	170	20
	Endosulfan II	0.5155	0	0.50	97		4		21	168	20
	4,4-DDD	0.5155	0	0.47	91		2		15	196	20
	Endosulfan sulfate	0.5155	0	0.56	109		2		14	183	20
	4,4-DDT	0.5155	0	0.62	120		3		15	194	20
	Methoxychlor	0.5155	0	0.67	130		3		20	189	20
	Endrin ketone	0.5155	0	0.58	113		4		25	200	20
	Endrin aldehyde	0.5155	0	0.51	99		2		28	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8081

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
C2653-03MSD	alpha-Chlordane	0.5155	0	0.39	76		5		34	160	20
	gamma-Chlordane	0.5155	0	0.49	95		2		31	163	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: C2653

Client: Malcolm Pirnie, Inc.

Analytical Method: EPA SW-846 8081

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB56128BS	alpha-BHC	0.5000	0.49	98				85	130	
	beta-BHC	0.5000	0.44	88				83	126	
	delta-BHC	0.5000	0.51	102				69	141	
	gamma-BHC (Lindane)	0.5000	0.53	106				82	129	
	Heptachlor	0.5000	0.49	98				79	127	
	Aldrin	0.5000	0.48	96				79	126	
	Heptachlor epoxide	0.5000	0.47	94				81	124	
	Endosulfan I	0.5000	0.47	94				85	122	
	Dieldrin	0.5000	0.47	94				83	125	
	4,4-DDE	0.5000	0.47	94				80	127	
	Endrin	0.5000	0.46	92				81	128	
	Endosulfan II	0.5000	0.46	92				82	123	
	4,4-DDD	0.5000	0.48	96				77	131	
	Endosulfan sulfate	0.5000	0.48	96				76	129	
	4,4-DDT	0.5000	0.49	98				80	133	
	Methoxychlor	0.5000	0.47	94				76	137	
	Endrin ketone	0.5000	0.47	94				80	131	
	Endrin aldehyde	0.5000	0.47	94				82	127	
	alpha-Chlordane	0.5000	0.48	96				82	125	
	gamma-Chlordane	0.5000	0.48	96				82	125	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB56128BL

Lab Name: CHEMTECH Contract: MALC02

Lab Code: CHEM Case No.: C2653 SAS No.: C2653 SDG NO.: C2653

Lab Sample ID: PB56128BL Lab File ID: PD002597.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 06/16/2011

Date Analyzed (1): 06/23/2011 Date Analyzed (2): 06/23/2011

Time Analyzed (1): 00:15 Time Analyzed (2): 00:15

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB56128BS	PB56128BS	PD002598.D	06/23/2011	06/23/2011
DGC-6S	C2653-04	PD002612.D	06/23/2011	06/23/2011
DGC-6D	C2653-05	PD002613.D	06/23/2011	06/23/2011
DGC-8S	C2653-06	PD002614.D	06/23/2011	06/23/2011
DUP-01	C2653-07	PD002615.D	06/23/2011	06/23/2011
DGC-2	C2653-01	PD002620.D	06/23/2011	06/23/2011
DGC-2MS	C2653-02MS	PD002621.D	06/23/2011	06/23/2011
DGC-2MSD	C2653-03MSD	PD002622.D	06/23/2011	06/23/2011

COMMENTS:

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	
Project:	NYSDEC-Almy Brothers	Date Received:	
Client Sample ID:	PB56128BL	SDG No.:	c2653
Lab Sample ID:	PB56128BL	Matrix:	WATER
Analytical Method:	SW8081A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD002597.D	1	06/16/11	06/23/11	PB56128

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.05	U	0.0051	0.05	ug/L
319-85-7	beta-BHC	0.05	U	0.0086	0.05	ug/L
319-86-8	delta-BHC	0.05	U	0.0056	0.05	ug/L
58-89-9	gamma-BHC	0.05	U	0.0055	0.05	ug/L
76-44-8	Heptachlor	0.05	U	0.0069	0.05	ug/L
309-00-2	Aldrin	0.05	U	0.0062	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.05	U	0.0067	0.05	ug/L
959-98-8	Endosulfan I	0.05	U	0.0061	0.05	ug/L
60-57-1	Dieldrin	0.05	U	0.0047	0.05	ug/L
72-55-9	4,4-DDE	0.05	U	0.004	0.05	ug/L
72-20-8	Endrin	0.05	U	0.0058	0.05	ug/L
33213-65-9	Endosulfan II	0.05	U	0.0055	0.05	ug/L
72-54-8	4,4-DDD	0.05	U	0.0071	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.05	U	0.006	0.05	ug/L
50-29-3	4,4-DDT	0.05	U	0.0059	0.05	ug/L
72-43-5	Methoxychlor	0.05	U	0.0042	0.05	ug/L
53494-70-5	Endrin ketone	0.05	U	0.0057	0.05	ug/L
7421-93-4	Endrin aldehyde	0.05	U	0.0045	0.05	ug/L
5103-71-9	alpha-Chlordane	0.05	U	0.0049	0.05	ug/L
5103-74-2	gamma-Chlordane	0.05	U	0.005	0.05	ug/L
8001-35-2	Toxaphene	0.5	U	0.1	0.5	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.7		10 - 192	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		10 - 172	102%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	23	J	1	6.5	50	ug/L	06/15/11	06/16/11	SW6010B
7440-36-0	Antimony	25	U	1	8	25	ug/L	06/15/11	06/16/11	SW6010B
7440-38-2	Arsenic	10	U	1	4.2	10	ug/L	06/15/11	06/16/11	SW6010B
7440-39-3	Barium	640		1	4	50	ug/L	06/15/11	06/16/11	SW6010B
7440-41-7	Beryllium	3	U	1	0.7	3	ug/L	06/15/11	06/16/11	SW6010B
7440-43-9	Cadmium	3	U	1	0.5	3	ug/L	06/15/11	06/16/11	SW6010B
7440-70-2	Calcium	100000		1	31.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-47-3	Chromium	5	U	1	1.1	5	ug/L	06/15/11	06/16/11	SW6010B
7440-48-4	Cobalt	15	U	1	5.8	15	ug/L	06/15/11	06/16/11	SW6010B
7440-50-8	Copper	7.48	J	1	2	10	ug/L	06/15/11	06/16/11	SW6010B
7439-89-6	Iron	35300		1	20.4	50	ug/L	06/15/11	06/16/11	SW6010B
7439-92-1	Lead	12.4		1	2.6	6	ug/L	06/15/11	06/16/11	SW6010B
7439-95-4	Magnesium	9710		1	32.5	1000	ug/L	06/15/11	06/16/11	SW6010B
7439-96-5	Manganese	273		1	1.7	10	ug/L	06/15/11	06/16/11	SW6010B
7439-97-6	Mercury	0.16	JN	1	0.09	0.2	ug/L	06/15/11	06/17/11	SW7470A
7440-02-0	Nickel	20	U	1	4.2	20	ug/L	06/15/11	06/16/11	SW6010B
7440-09-7	Potassium	10900		1	38.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7782-49-2	Selenium	10	U	1	4.8	10	ug/L	06/15/11	06/16/11	SW6010B
7440-22-4	Silver	5	U	1	1.5	5	ug/L	06/15/11	06/16/11	SW6010B
7440-23-5	Sodium	87700		1	13.9	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-28-0	Thallium	6.23	J	1	2.4	20	ug/L	06/15/11	06/16/11	SW6010B
7440-62-2	Vanadium	20	U	1	6.1	20	ug/L	06/15/11	06/16/11	SW6010B
7440-66-6	Zinc	19.8	J	1	6.5	20	ug/L	06/15/11	06/16/11	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6S	SDG No.:	C2653
Lab Sample ID:	C2653-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	21.2	J	1	6.5	50	ug/L	06/15/11	06/16/11	SW6010B
7440-36-0	Antimony	25	U	1	8	25	ug/L	06/15/11	06/16/11	SW6010B
7440-38-2	Arsenic	7.25	J	1	4.2	10	ug/L	06/15/11	06/16/11	SW6010B
7440-39-3	Barium	249		1	4	50	ug/L	06/15/11	06/16/11	SW6010B
7440-41-7	Beryllium	3	U	1	0.7	3	ug/L	06/15/11	06/16/11	SW6010B
7440-43-9	Cadmium	3	U	1	0.5	3	ug/L	06/15/11	06/16/11	SW6010B
7440-70-2	Calcium	60000		1	31.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-47-3	Chromium	5	U	1	1.1	5	ug/L	06/15/11	06/16/11	SW6010B
7440-48-4	Cobalt	15	U	1	5.8	15	ug/L	06/15/11	06/16/11	SW6010B
7440-50-8	Copper	10	U	1	2	10	ug/L	06/15/11	06/16/11	SW6010B
7439-89-6	Iron	18200		1	20.4	50	ug/L	06/15/11	06/16/11	SW6010B
7439-92-1	Lead	7.08		1	2.6	6	ug/L	06/15/11	06/16/11	SW6010B
7439-95-4	Magnesium	6420		1	32.5	1000	ug/L	06/15/11	06/16/11	SW6010B
7439-96-5	Manganese	4600		1	1.7	10	ug/L	06/15/11	06/16/11	SW6010B
7439-97-6	Mercury	0.22	N	1	0.09	0.2	ug/L	06/15/11	06/17/11	SW7470A
7440-02-0	Nickel	20	U	1	4.2	20	ug/L	06/15/11	06/16/11	SW6010B
7440-09-7	Potassium	6450		1	38.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7782-49-2	Selenium	10	U	1	4.8	10	ug/L	06/15/11	06/16/11	SW6010B
7440-22-4	Silver	5	U	1	1.5	5	ug/L	06/15/11	06/16/11	SW6010B
7440-23-5	Sodium	44900		1	13.9	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-28-0	Thallium	2.98	J	1	2.4	20	ug/L	06/15/11	06/16/11	SW6010B
7440-62-2	Vanadium	8.03	J	1	6.1	20	ug/L	06/15/11	06/16/11	SW6010B
7440-66-6	Zinc	14.6	J	1	6.5	20	ug/L	06/15/11	06/16/11	SW6010B

Color Before:	Brown	Clarity Before:	Clear	Texture:	
Color After:	Yellow	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range

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Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-6D	SDG No.:	C2653
Lab Sample ID:	C2653-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	30.9	J	1	6.5	50	ug/L	06/15/11	06/16/11	SW6010B
7440-36-0	Antimony	25	U	1	8	25	ug/L	06/15/11	06/16/11	SW6010B
7440-38-2	Arsenic	10	U	1	4.2	10	ug/L	06/15/11	06/16/11	SW6010B
7440-39-3	Barium	74.2		1	4	50	ug/L	06/15/11	06/16/11	SW6010B
7440-41-7	Beryllium	3	U	1	0.7	3	ug/L	06/15/11	06/16/11	SW6010B
7440-43-9	Cadmium	3	U	1	0.5	3	ug/L	06/15/11	06/16/11	SW6010B
7440-70-2	Calcium	145000		1	31.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-47-3	Chromium	5	U	1	1.1	5	ug/L	06/15/11	06/16/11	SW6010B
7440-48-4	Cobalt	15	U	1	5.8	15	ug/L	06/15/11	06/16/11	SW6010B
7440-50-8	Copper	10	U	1	2	10	ug/L	06/15/11	06/16/11	SW6010B
7439-89-6	Iron	50	U	1	20.4	50	ug/L	06/15/11	06/16/11	SW6010B
7439-92-1	Lead	5.3	J	1	2.6	6	ug/L	06/15/11	06/16/11	SW6010B
7439-95-4	Magnesium	21300		1	32.5	1000	ug/L	06/15/11	06/16/11	SW6010B
7439-96-5	Manganese	7280		1	1.7	10	ug/L	06/15/11	06/16/11	SW6010B
7439-97-6	Mercury	0.2	UN	1	0.09	0.2	ug/L	06/15/11	06/17/11	SW7470A
7440-02-0	Nickel	4.85	J	1	4.2	20	ug/L	06/15/11	06/16/11	SW6010B
7440-09-7	Potassium	5980		1	38.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7782-49-2	Selenium	10	U	1	4.8	10	ug/L	06/15/11	06/16/11	SW6010B
7440-22-4	Silver	5	U	1	1.5	5	ug/L	06/15/11	06/16/11	SW6010B
7440-23-5	Sodium	105000		1	13.9	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-28-0	Thallium	20	U	1	2.4	20	ug/L	06/15/11	06/16/11	SW6010B
7440-62-2	Vanadium	10.7	J	1	6.1	20	ug/L	06/15/11	06/16/11	SW6010B
7440-66-6	Zinc	15.1	J	1	6.5	20	ug/L	06/15/11	06/16/11	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-8S	SDG No.:	C2653
Lab Sample ID:	C2653-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	50	U	1	6.5	50	ug/L	06/15/11	06/16/11	SW6010B
7440-36-0	Antimony	25	U	1	8	25	ug/L	06/15/11	06/16/11	SW6010B
7440-38-2	Arsenic	7.06	J	1	4.2	10	ug/L	06/15/11	06/16/11	SW6010B
7440-39-3	Barium	117		1	4	50	ug/L	06/15/11	06/16/11	SW6010B
7440-41-7	Beryllium	3	U	1	0.7	3	ug/L	06/15/11	06/16/11	SW6010B
7440-43-9	Cadmium	3	U	1	0.5	3	ug/L	06/15/11	06/16/11	SW6010B
7440-70-2	Calcium	95300		1	31.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-47-3	Chromium	5	U	1	1.1	5	ug/L	06/15/11	06/16/11	SW6010B
7440-48-4	Cobalt	15	U	1	5.8	15	ug/L	06/15/11	06/16/11	SW6010B
7440-50-8	Copper	2.71	J	1	2	10	ug/L	06/15/11	06/16/11	SW6010B
7439-89-6	Iron	5750		1	20.4	50	ug/L	06/15/11	06/16/11	SW6010B
7439-92-1	Lead	8.56		1	2.6	6	ug/L	06/15/11	06/16/11	SW6010B
7439-95-4	Magnesium	8160		1	32.5	1000	ug/L	06/15/11	06/16/11	SW6010B
7439-96-5	Manganese	277		1	1.7	10	ug/L	06/15/11	06/16/11	SW6010B
7439-97-6	Mercury	0.2	UN	1	0.09	0.2	ug/L	06/15/11	06/17/11	SW7470A
7440-02-0	Nickel	20	U	1	4.2	20	ug/L	06/15/11	06/16/11	SW6010B
7440-09-7	Potassium	6490		1	38.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7782-49-2	Selenium	10	U	1	4.8	10	ug/L	06/15/11	06/16/11	SW6010B
7440-22-4	Silver	5	U	1	1.5	5	ug/L	06/15/11	06/16/11	SW6010B
7440-23-5	Sodium	31000		1	13.9	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-28-0	Thallium	20	U	1	2.4	20	ug/L	06/15/11	06/16/11	SW6010B
7440-62-2	Vanadium	20	U	1	6.1	20	ug/L	06/15/11	06/16/11	SW6010B
7440-66-6	Zinc	16.1	J	1	6.5	20	ug/L	06/15/11	06/16/11	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DUP-01	SDG No.:	C2653
Lab Sample ID:	C2653-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	24.5	J	1	6.5	50	ug/L	06/15/11	06/16/11	SW6010B
7440-36-0	Antimony	25	U	1	8	25	ug/L	06/15/11	06/16/11	SW6010B
7440-38-2	Arsenic	10	U	1	4.2	10	ug/L	06/15/11	06/16/11	SW6010B
7440-39-3	Barium	73.9		1	4	50	ug/L	06/15/11	06/16/11	SW6010B
7440-41-7	Beryllium	3	U	1	0.7	3	ug/L	06/15/11	06/16/11	SW6010B
7440-43-9	Cadmium	0.61	J	1	0.5	3	ug/L	06/15/11	06/16/11	SW6010B
7440-70-2	Calcium	145000		1	31.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-47-3	Chromium	5	U	1	1.1	5	ug/L	06/15/11	06/16/11	SW6010B
7440-48-4	Cobalt	15	U	1	5.8	15	ug/L	06/15/11	06/16/11	SW6010B
7440-50-8	Copper	10	U	1	2	10	ug/L	06/15/11	06/16/11	SW6010B
7439-89-6	Iron	50	U	1	20.4	50	ug/L	06/15/11	06/16/11	SW6010B
7439-92-1	Lead	4.73	J	1	2.6	6	ug/L	06/15/11	06/16/11	SW6010B
7439-95-4	Magnesium	20900		1	32.5	1000	ug/L	06/15/11	06/16/11	SW6010B
7439-96-5	Manganese	7250		1	1.7	10	ug/L	06/15/11	06/16/11	SW6010B
7439-97-6	Mercury	0.2	UN	1	0.09	0.2	ug/L	06/15/11	06/17/11	SW7470A
7440-02-0	Nickel	20	U	1	4.2	20	ug/L	06/15/11	06/16/11	SW6010B
7440-09-7	Potassium	5980		1	38.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7782-49-2	Selenium	10	U	1	4.8	10	ug/L	06/15/11	06/16/11	SW6010B
7440-22-4	Silver	5	U	1	1.5	5	ug/L	06/15/11	06/16/11	SW6010B
7440-23-5	Sodium	105000		1	13.9	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-28-0	Thallium	20	U	1	2.4	20	ug/L	06/15/11	06/16/11	SW6010B
7440-62-2	Vanadium	10.4	J	1	6.1	20	ug/L	06/15/11	06/16/11	SW6010B
7440-66-6	Zinc	14.8	J	1	6.5	20	ug/L	06/15/11	06/16/11	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range

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

Report of Analysis

Client:	Malcolm Pirnie, Inc.	Date Collected:	06/13/11
Project:	NYSDEC-Almy Brothers	Date Received:	06/14/11
Client Sample ID:	DGC-2	SDG No.:	C2653
Lab Sample ID:	C2653-09	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	11.8	J	1	6.5	50	ug/L	06/15/11	06/16/11	SW6010B
7440-36-0	Antimony	25	U	1	8	25	ug/L	06/15/11	06/16/11	SW6010B
7440-38-2	Arsenic	10	U	1	4.2	10	ug/L	06/15/11	06/16/11	SW6010B
7440-39-3	Barium	450		1	4	50	ug/L	06/15/11	06/16/11	SW6010B
7440-41-7	Beryllium	3	U	1	0.7	3	ug/L	06/15/11	06/16/11	SW6010B
7440-43-9	Cadmium	3	U	1	0.5	3	ug/L	06/15/11	06/16/11	SW6010B
7440-70-2	Calcium	92900		1	31.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-47-3	Chromium	5	U	1	1.1	5	ug/L	06/15/11	06/16/11	SW6010B
7440-48-4	Cobalt	15	U	1	5.8	15	ug/L	06/15/11	06/16/11	SW6010B
7440-50-8	Copper	10	U	1	2	10	ug/L	06/15/11	06/16/11	SW6010B
7439-89-6	Iron	5080		1	20.4	50	ug/L	06/15/11	06/16/11	SW6010B
7439-92-1	Lead	6	U	1	2.6	6	ug/L	06/15/11	06/16/11	SW6010B
7439-95-4	Magnesium	9210		1	32.5	1000	ug/L	06/15/11	06/16/11	SW6010B
7439-96-5	Manganese	255		1	1.7	10	ug/L	06/15/11	06/16/11	SW6010B
7439-97-6	Mercury	0.16	JN	1	0.09	0.2	ug/L	06/15/11	06/17/11	SW7470A
7440-02-0	Nickel	20	U	1	4.2	20	ug/L	06/15/11	06/16/11	SW6010B
7440-09-7	Potassium	10600		1	38.8	1000	ug/L	06/15/11	06/16/11	SW6010B
7782-49-2	Selenium	10	U	1	4.8	10	ug/L	06/15/11	06/16/11	SW6010B
7440-22-4	Silver	5	U	1	1.5	5	ug/L	06/15/11	06/16/11	SW6010B
7440-23-5	Sodium	84300		1	13.9	1000	ug/L	06/15/11	06/16/11	SW6010B
7440-28-0	Thallium	5.93	J	1	2.4	20	ug/L	06/15/11	06/16/11	SW6010B
7440-62-2	Vanadium	20	U	1	6.1	20	ug/L	06/15/11	06/16/11	SW6010B
7440-66-6	Zinc	10.2	J	1	6.5	20	ug/L	06/15/11	06/16/11	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	DISSOLVED METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range

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Hit Summary Sheet
SW-846

SDG No.: C2653 **Order ID:** C2653

Client: Malcolm Pirnie, Inc. **Project ID:** NYSDEC-Almy Brothers

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID : DGC-2								
C2653-01	DGC-2	WATER	Aluminum	23.000	J	50.0	6.500	ug/L
C2653-01	DGC-2	WATER	Barium	640.000		50.0	4.000	ug/L
C2653-01	DGC-2	WATER	Calcium	100,000.000		1000	31.8	ug/L
C2653-01	DGC-2	WATER	Copper	7.480	J	10.0	2.000	ug/L
C2653-01	DGC-2	WATER	Iron	35,300.000		50.0	20.4	ug/L
C2653-01	DGC-2	WATER	Lead	12.400		6.000	2.600	ug/L
C2653-01	DGC-2	WATER	Magnesium	9,710.000		1000	32.5	ug/L
C2653-01	DGC-2	WATER	Manganese	273.000		10.0	1.700	ug/L
C2653-01	DGC-2	WATER	Mercury	0.160	J	0.20	0.09	ug/L
C2653-01	DGC-2	WATER	Potassium	10,900.000		1000	38.8	ug/L
C2653-01	DGC-2	WATER	Sodium	87,700.000		1000	13.9	ug/L
C2653-01	DGC-2	WATER	Thallium	6.230	J	20.0	2.400	ug/L
C2653-01	DGC-2	WATER	Zinc	19.800	J	20.0	6.500	ug/L
Client ID : DGC-6S								
C2653-04	DGC-6S	WATER	Aluminum	21.200	J	50.0	6.500	ug/L
C2653-04	DGC-6S	WATER	Arsenic	7.250	J	10.0	4.200	ug/L
C2653-04	DGC-6S	WATER	Barium	249.000		50.0	4.000	ug/L
C2653-04	DGC-6S	WATER	Calcium	60,000.000		1000	31.8	ug/L
C2653-04	DGC-6S	WATER	Iron	18,200.000		50.0	20.4	ug/L
C2653-04	DGC-6S	WATER	Lead	7.080		6.000	2.600	ug/L
C2653-04	DGC-6S	WATER	Magnesium	6,420.000		1000	32.5	ug/L
C2653-04	DGC-6S	WATER	Manganese	4,600.000		10.0	1.700	ug/L
C2653-04	DGC-6S	WATER	Mercury	0.220		0.20	0.09	ug/L
C2653-04	DGC-6S	WATER	Potassium	6,450.000		1000	38.8	ug/L
C2653-04	DGC-6S	WATER	Sodium	44,900.000		1000	13.9	ug/L
C2653-04	DGC-6S	WATER	Thallium	2.980	J	20.0	2.400	ug/L
C2653-04	DGC-6S	WATER	Vanadium	8.030	J	20.0	6.100	ug/L
C2653-04	DGC-6S	WATER	Zinc	14.600	J	20.0	6.500	ug/L
Client ID : DGC-6D								
C2653-05	DGC-6D	WATER	Aluminum	30.900	J	50.0	6.500	ug/L
C2653-05	DGC-6D	WATER	Barium	74.200		50.0	4.000	ug/L
C2653-05	DGC-6D	WATER	Calcium	145,000.000		1000	31.8	ug/L
C2653-05	DGC-6D	WATER	Lead	5.300	J	6.000	2.600	ug/L
C2653-05	DGC-6D	WATER	Magnesium	21,300.000		1000	32.5	ug/L
C2653-05	DGC-6D	WATER	Manganese	7,280.000		10.0	1.700	ug/L
C2653-05	DGC-6D	WATER	Nickel	4.850	J	20.0	4.200	ug/L
C2653-05	DGC-6D	WATER	Potassium	5,980.000		1000	38.8	ug/L
C2653-05	DGC-6D	WATER	Sodium	105,000.000		1000	13.9	ug/L

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: C2653 **Order ID:** C2653

Client: Malcolm Pirnie, Inc. **Project ID:** NYSDEC-Almy Brothers

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
C2653-05	DGC-6D	WATER	Vanadium	10.700	J	20.0	6.100	ug/L
C2653-05	DGC-6D	WATER	Zinc	15.100	J	20.0	6.500	ug/L
Client ID :	**DGC-8S**							
C2653-06	DGC-8S	WATER	Arsenic	7.060	J	10.0	4.200	ug/L
C2653-06	DGC-8S	WATER	Barium	117.000		50.0	4.000	ug/L
C2653-06	DGC-8S	WATER	Calcium	95,300.000		1000	31.8	ug/L
C2653-06	DGC-8S	WATER	Copper	2.710	J	10.0	2.000	ug/L
C2653-06	DGC-8S	WATER	Iron	5,750.000		50.0	20.4	ug/L
C2653-06	DGC-8S	WATER	Lead	8.560		6.000	2.600	ug/L
C2653-06	DGC-8S	WATER	Magnesium	8,160.000		1000	32.5	ug/L
C2653-06	DGC-8S	WATER	Manganese	277.000		10.0	1.700	ug/L
C2653-06	DGC-8S	WATER	Potassium	6,490.000		1000	38.8	ug/L
C2653-06	DGC-8S	WATER	Sodium	31,000.000		1000	13.9	ug/L
C2653-06	DGC-8S	WATER	Zinc	16.100	J	20.0	6.500	ug/L
Client ID :	**DUP-01**							
C2653-07	DUP-01	WATER	Aluminum	24.500	J	50.0	6.500	ug/L
C2653-07	DUP-01	WATER	Barium	73.900		50.0	4.000	ug/L
C2653-07	DUP-01	WATER	Cadmium	0.610	J	3.000	0.50	ug/L
C2653-07	DUP-01	WATER	Calcium	145,000.000		1000	31.8	ug/L
C2653-07	DUP-01	WATER	Lead	4.730	J	6.000	2.600	ug/L
C2653-07	DUP-01	WATER	Magnesium	20,900.000		1000	32.5	ug/L
C2653-07	DUP-01	WATER	Manganese	7,250.000		10.0	1.700	ug/L
C2653-07	DUP-01	WATER	Potassium	5,980.000		1000	38.8	ug/L
C2653-07	DUP-01	WATER	Sodium	105,000.000		1000	13.9	ug/L
C2653-07	DUP-01	WATER	Vanadium	10.400	J	20.0	6.100	ug/L
C2653-07	DUP-01	WATER	Zinc	14.800	J	20.0	6.500	ug/L
Client ID :	**DGC-2**							
C2653-09	DGC-2	WATER	Aluminum	11.800	J	50.0	6.500	ug/L
C2653-09	DGC-2	WATER	Barium	450.000		50.0	4.000	ug/L
C2653-09	DGC-2	WATER	Calcium	92,900.000		1000	31.8	ug/L
C2653-09	DGC-2	WATER	Iron	5,080.000		50.0	20.4	ug/L
C2653-09	DGC-2	WATER	Magnesium	9,210.000		1000	32.5	ug/L
C2653-09	DGC-2	WATER	Manganese	255.000		10.0	1.700	ug/L
C2653-09	DGC-2	WATER	Mercury	0.160	J	0.20	0.09	ug/L
C2653-09	DGC-2	WATER	Potassium	10,600.000		1000	38.8	ug/L
C2653-09	DGC-2	WATER	Sodium	84,300.000		1000	13.9	ug/L
C2653-09	DGC-2	WATER	Thallium	5.930	J	20.0	2.400	ug/L
C2653-09	DGC-2	WATER	Zinc	10.200	J	20.0	6.500	ug/L

CHEMTECH

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/16/2011	09:53	LB55569
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/16/2011	09:53	LB55569
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/16/2011	09:53	LB55569
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/16/2011	09:53	LB55569
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/16/2011	09:53	LB55569
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/16/2011	09:53	LB55569
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/16/2011	09:53	LB55569
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/16/2011	09:53	LB55569
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/16/2011	09:53	LB55569
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/16/2011	09:53	LB55569
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/16/2011	09:53	LB55569
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/16/2011	09:53	LB55569
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/16/2011	09:53	LB55569
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/16/2011	09:53	LB55569
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/16/2011	09:53	LB55569
	Potassium	82.6	+/-1000.0	J	38.8	1000.0	P	06/16/2011	09:53	LB55569
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/16/2011	09:53	LB55569
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/16/2011	09:53	LB55569
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/16/2011	09:53	LB55569
	Thallium	2.8	+/-20.0	J	2.4	20.0	P	06/16/2011	09:53	LB55569
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/16/2011	09:53	LB55569
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/16/2011	09:53	LB55569
CCB01	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/16/2011	10:14	LB55569
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/16/2011	10:14	LB55569
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/16/2011	10:14	LB55569
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/16/2011	10:14	LB55569
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/16/2011	10:14	LB55569
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/16/2011	10:14	LB55569
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/16/2011	10:14	LB55569
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/16/2011	10:14	LB55569
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/16/2011	10:14	LB55569
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/16/2011	10:14	LB55569
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/16/2011	10:14	LB55569
	Lead	3.0	+/-6.0	J	2.6	6.0	P	06/16/2011	10:14	LB55569
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/16/2011	10:14	LB55569
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/16/2011	10:14	LB55569
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/16/2011	10:14	LB55569
	Potassium	52.7	+/-1000.0	J	38.8	1000.0	P	06/16/2011	10:14	LB55569
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/16/2011	10:14	LB55569

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/16/2011	10:14	LB55569
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/16/2011	10:14	LB55569
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	06/16/2011	10:14	LB55569
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/16/2011	10:14	LB55569
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/16/2011	10:14	LB55569
CCB02	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/16/2011	11:01	LB55569
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/16/2011	11:01	LB55569
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/16/2011	11:01	LB55569
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/16/2011	11:01	LB55569
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/16/2011	11:01	LB55569
	Cadmium	1.0	+/-3.0	J	0.5	3.0	P	06/16/2011	11:01	LB55569
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/16/2011	11:01	LB55569
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/16/2011	11:01	LB55569
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/16/2011	11:01	LB55569
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/16/2011	11:01	LB55569
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/16/2011	11:01	LB55569
	Lead	3.3	+/-6.0	J	2.6	6.0	P	06/16/2011	11:01	LB55569
	Magnesium	39.7	+/-1000.0	J	32.5	1000.0	P	06/16/2011	11:01	LB55569
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/16/2011	11:01	LB55569
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/16/2011	11:01	LB55569
	Potassium	62.5	+/-1000.0	J	38.8	1000.0	P	06/16/2011	11:01	LB55569
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/16/2011	11:01	LB55569
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/16/2011	11:01	LB55569
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/16/2011	11:01	LB55569
	Thallium	5.7	+/-20.0	J	2.4	20.0	P	06/16/2011	11:01	LB55569
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/16/2011	11:01	LB55569
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/16/2011	11:01	LB55569
CCB03	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/16/2011	11:13	LB55569
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/16/2011	11:13	LB55569
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/16/2011	11:13	LB55569
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/16/2011	11:13	LB55569
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/16/2011	11:13	LB55569
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/16/2011	11:13	LB55569
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/16/2011	11:13	LB55569
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/16/2011	11:13	LB55569
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/16/2011	11:13	LB55569
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/16/2011	11:13	LB55569
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/16/2011	11:13	LB55569
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/16/2011	11:13	LB55569
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/16/2011	11:13	LB55569
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/16/2011	11:13	LB55569
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/16/2011	11:13	LB55569

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Potassium	59.8	+/-1000.0	J	38.8	1000.0	P	06/16/2011	11:13	LB55569
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/16/2011	11:13	LB55569
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/16/2011	11:13	LB55569
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/16/2011	11:13	LB55569
	Thallium	3.1	+/-20.0	J	2.4	20.0	P	06/16/2011	11:13	LB55569
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/16/2011	11:13	LB55569
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/16/2011	11:13	LB55569
CCB04	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/16/2011	11:54	LB55569
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/16/2011	11:54	LB55569
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/16/2011	11:54	LB55569
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/16/2011	11:54	LB55569
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/16/2011	11:54	LB55569
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/16/2011	11:54	LB55569
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/16/2011	11:54	LB55569
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/16/2011	11:54	LB55569
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/16/2011	11:54	LB55569
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/16/2011	11:54	LB55569
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/16/2011	11:54	LB55569
	Lead	5.7	+/-6.0	J	2.6	6.0	P	06/16/2011	11:54	LB55569
	Magnesium	32.5	+/-1000.0	U	32.5	1000.0	P	06/16/2011	11:54	LB55569
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/16/2011	11:54	LB55569
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/16/2011	11:54	LB55569
	Potassium	97.4	+/-1000.0	J	38.8	1000.0	P	06/16/2011	11:54	LB55569
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/16/2011	11:54	LB55569
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/16/2011	11:54	LB55569
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/16/2011	11:54	LB55569
	Thallium	3.7	+/-20.0	J	2.4	20.0	P	06/16/2011	11:54	LB55569
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/16/2011	11:54	LB55569
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/16/2011	11:54	LB55569
CCB05	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/16/2011	12:31	LB55569
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/16/2011	12:31	LB55569
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/16/2011	12:31	LB55569
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/16/2011	12:31	LB55569
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/16/2011	12:31	LB55569
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/16/2011	12:31	LB55569
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/16/2011	12:31	LB55569
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/16/2011	12:31	LB55569
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/16/2011	12:31	LB55569
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/16/2011	12:31	LB55569
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/16/2011	12:31	LB55569
	Lead	3.3	+/-6.0	J	2.6	6.0	P	06/16/2011	12:31	LB55569
	Magnesium	40.1	+/-1000.0	J	32.5	1000.0	P	06/16/2011	12:31	LB55569

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/16/2011	12:31	LB55569
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/16/2011	12:31	LB55569
	Potassium	85.9	+/-1000.0	J	38.8	1000.0	P	06/16/2011	12:31	LB55569
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/16/2011	12:31	LB55569
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/16/2011	12:31	LB55569
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/16/2011	12:31	LB55569
	Thallium	4.4	+/-20.0	J	2.4	20.0	P	06/16/2011	12:31	LB55569
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/16/2011	12:31	LB55569
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/16/2011	12:31	LB55569
CCB06	Aluminum	6.5	+/-50.0	U	6.5	50.0	P	06/16/2011	13:16	LB55569
	Antimony	8.0	+/-25.0	U	8.0	25.0	P	06/16/2011	13:16	LB55569
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	06/16/2011	13:16	LB55569
	Barium	4.0	+/-50.0	U	4.0	50.0	P	06/16/2011	13:16	LB55569
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	06/16/2011	13:16	LB55569
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	06/16/2011	13:16	LB55569
	Calcium	31.8	+/-1000.0	U	31.8	1000.0	P	06/16/2011	13:16	LB55569
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	06/16/2011	13:16	LB55569
	Cobalt	5.8	+/-15.0	U	5.8	15.0	P	06/16/2011	13:16	LB55569
	Copper	2.0	+/-10.0	U	2.0	10.0	P	06/16/2011	13:16	LB55569
	Iron	20.4	+/-50.0	U	20.4	50.0	P	06/16/2011	13:16	LB55569
	Lead	2.6	+/-6.0	U	2.6	6.0	P	06/16/2011	13:16	LB55569
	Magnesium	36.1	+/-1000.0	J	32.5	1000.0	P	06/16/2011	13:16	LB55569
	Manganese	1.7	+/-10.0	U	1.7	10.0	P	06/16/2011	13:16	LB55569
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	06/16/2011	13:16	LB55569
	Potassium	84.7	+/-1000.0	J	38.8	1000.0	P	06/16/2011	13:16	LB55569
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	06/16/2011	13:16	LB55569
	Silver	1.5	+/-5.0	U	1.5	5.0	P	06/16/2011	13:16	LB55569
	Sodium	13.9	+/-1000.0	U	13.9	1000.0	P	06/16/2011	13:16	LB55569
	Thallium	5.2	+/-20.0	J	2.4	20.0	P	06/16/2011	13:16	LB55569
	Vanadium	6.1	+/-20.0	U	6.1	20.0	P	06/16/2011	13:16	LB55569
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	06/16/2011	13:16	LB55569
ICB01	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	10:15	LB55573
CCB01	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	10:19	LB55573
CCB02	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	10:40	LB55573
CCB03	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	11:00	LB55573
CCB04	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	11:21	LB55573
CCB05	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	11:43	LB55573
CCB06	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	12:10	LB55573
CCB07	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	12:28	LB55573
CCB08	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	12:48	LB55573
CCB09	Mercury	0.09	+/-0.20	U	0.09	0.20	CV	06/17/2011	13:04	LB55573

CHEMTECH

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PREPARATION BLANK SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	MDL ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB56114BL		**WATER**		**Batch Number:**	**PB56114**			**Prep Date:**	**06/15/2011**	
	Aluminum	6.500	<50.000	U	6.500	50.000	P	06/16/2011	11:21	LB55569
	Antimony	8.000	<25.000	U	8.000	25.000	P	06/16/2011	11:21	LB55569
	Arsenic	4.200	<10.000	U	4.200	10.000	P	06/16/2011	11:21	LB55569
	Barium	4.000	<50.000	U	4.000	50.000	P	06/16/2011	11:21	LB55569
	Beryllium	0.700	<3.000	U	0.700	3.000	P	06/16/2011	11:21	LB55569
	Cadmium	0.500	<3.000	U	0.500	3.000	P	06/16/2011	11:21	LB55569
	Calcium	31.800	<1000.000	U	31.800	1000.000	P	06/16/2011	11:21	LB55569
	Chromium	1.100	<5.000	U	1.100	5.000	P	06/16/2011	11:21	LB55569
	Cobalt	5.800	<15.000	U	5.800	15.000	P	06/16/2011	11:21	LB55569
	Copper	2.000	<10.000	U	2.000	10.000	P	06/16/2011	11:21	LB55569
	Iron	20.400	<50.000	U	20.400	50.000	P	06/16/2011	11:21	LB55569
	Lead	2.600	<6.000	U	2.600	6.000	P	06/16/2011	11:21	LB55569
	Magnesium	37.740	<1000.000	J	32.500	1000.000	P	06/16/2011	11:21	LB55569
	Manganese	1.700	<10.000	U	1.700	10.000	P	06/16/2011	11:21	LB55569
	Nickel	4.200	<20.000	U	4.200	20.000	P	06/16/2011	11:21	LB55569
	Potassium	38.800	<1000.000	U	38.800	1000.000	P	06/16/2011	11:21	LB55569
	Selenium	4.800	<10.000	U	4.800	10.000	P	06/16/2011	11:21	LB55569
	Silver	1.500	<5.000	U	1.500	5.000	P	06/16/2011	11:21	LB55569
	Sodium	13.900	<1000.000	U	13.900	1000.000	P	06/16/2011	11:21	LB55569
	Thallium	3.920	<20.000	J	2.400	20.000	P	06/16/2011	11:21	LB55569
	Vanadium	6.100	<20.000	U	6.100	20.000	P	06/16/2011	11:21	LB55569
	Zinc	6.500	<20.000	U	6.500	20.000	P	06/16/2011	11:21	LB55569
PB56123BL		**WATER**		**Batch Number:**	**PB56123**			**Prep Date:**	**06/15/2011**	
	Mercury	0.132	<0.200	J	0.092	0.200	CV	06/17/2011	10:27	LB55573

CHEMTECH

Metals
- 5a -
MATRIX SPIKE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-01 **Client ID:** DGC-2S

Percent Solids for Sample: 0 **Spiked ID:** C2653-02S **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	80 - 120	1914.5000		22.9600	J	2000.00	94.6		P
Antimony	ug/L	80 - 115	704.0900		8.0000	U	800.00	88.0		P
Arsenic	ug/L	80 - 117	784.7800		4.2000	U	800.00	98.1		P
Barium	ug/L	81 - 120	832.0400		639.9100		200.00	96.1		P
Beryllium	ug/L	80 - 116	187.8200		0.7000	U	200.00	93.9		P
Cadmium	ug/L	80 - 120	187.3100		0.5000	U	200.00	93.7		P
Calcium	ug/L	80 - 120	100080.0000		100180.0000		1000.00	-10.0		P
Chromium	ug/L	80 - 117	367.8700		1.1000	U	400.00	92.0		P
Cobalt	ug/L	80 - 116	186.2100		5.8000	U	200.00	93.1		P
Copper	ug/L	80 - 111	283.1200		7.4800	J	300.00	91.9		P
Iron	ug/L	80 - 120	37970.0000		35315.0000		3000.00	88.5		P
Lead	ug/L	80 - 119	959.1200		12.4400		1000.00	94.7		P
Magnesium	ug/L	80 - 120	11583.0000		9708.6000		2000.00	93.7		P
Manganese	ug/L	80 - 120	454.8300		273.3600		200.00	90.7		P
Mercury	ug/L	80 - 120	3.9600		0.1570	J	4.00	95.1		CV
Nickel	ug/L	80 - 118	466.2000		4.2000	U	500.00	93.2		P
Potassium	ug/L	80 - 120	20386.0000		10942.0000		10000.00	94.4		P
Selenium	ug/L	80 - 107	1962.1000		4.8000	U	2000.00	98.1		P
Silver	ug/L	80 - 120	73.8600		1.5000	U	75.00	98.5		P
Sodium	ug/L	80 - 120	90690.0000		87661.0000		3000.00	101.0		P
Thallium	ug/L	80 - 120	1884.6000		6.2300	J	2000.00	93.9		P
Vanadium	ug/L	80 - 113	279.0800		6.1000	U	300.00	93.0		P
Zinc	ug/L	80 - 116	200.1200		19.7900	J	200.00	90.2		P

CHEMTECH

Metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-01 **Client ID:** DGC-2SD

Percent Solids for Sample: 0 **Spiked ID:** C2653-03SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	80 - 120	1915.8000		22.9600	J	2000.00	94.6		P
Antimony	ug/L	80 - 115	712.1600		8.0000	U	800.00	89.0		P
Arsenic	ug/L	80 - 117	793.5100		4.2000	U	800.00	99.2		P
Barium	ug/L	81 - 120	836.5500		639.9100		200.00	98.3		P
Beryllium	ug/L	80 - 116	186.8000		0.7000	U	200.00	93.4		P
Cadmium	ug/L	80 - 120	188.7400		0.5000	U	200.00	94.4		P
Calcium	ug/L	80 - 120	99364.0000		100180.0000		1000.00	-81.6		P
Chromium	ug/L	80 - 117	358.6400		1.1000	U	400.00	89.7		P
Cobalt	ug/L	80 - 116	187.9600		5.8000	U	200.00	94.0		P
Copper	ug/L	80 - 111	283.8700		7.4800	J	300.00	92.1		P
Iron	ug/L	80 - 120	37892.0000		35315.0000		3000.00	85.9		P
Lead	ug/L	80 - 119	966.1700		12.4400		1000.00	95.4		P
Magnesium	ug/L	80 - 120	11461.0000		9708.6000		2000.00	87.6		P
Manganese	ug/L	80 - 120	451.3700		273.3600		200.00	89.0		P
Mercury	ug/L	80 - 120	4.0000		0.1570	J	4.00	96.1		CV
Nickel	ug/L	80 - 118	469.2900		4.2000	U	500.00	93.9		P
Potassium	ug/L	80 - 120	20544.0000		10942.0000		10000.00	96.0		P
Selenium	ug/L	80 - 107	1965.1000		4.8000	U	2000.00	98.3		P
Silver	ug/L	80 - 120	72.4500		1.5000	U	75.00	96.6		P
Sodium	ug/L	80 - 120	90287.0000		87661.0000		3000.00	87.5		P
Thallium	ug/L	80 - 120	1903.4000		6.2300	J	2000.00	94.9		P
Vanadium	ug/L	80 - 113	278.6100		6.1000	U	300.00	92.9		P
Zinc	ug/L	80 - 116	200.3800		19.7900	J	200.00	90.3		P

CHEMTECH

Metals
- 5a -
MATRIX SPIKE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-09 **Client ID:** DGC-2S

Percent Solids for Sample: 0 **Spiked ID:** C2653-10S **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	80 - 120	1862.2000		11.8300	J	2000	92.5		P
Antimony	ug/L	80 - 115	700.2300		8.0000	U	800	87.5		P
Arsenic	ug/L	80 - 117	778.1400		4.2000	U	800	97.3		P
Barium	ug/L	81 - 120	669.7400		450.3100		200	109.7		P
Beryllium	ug/L	80 - 116	180.8600		0.7000	U	200	90.4		P
Cadmium	ug/L	80 - 120	180.7600		0.5000	U	200	90.4		P
Calcium	ug/L	80 - 120	101020.0000		92927.0000		1000	809.3		P
Chromium	ug/L	80 - 117	341.0400		1.1000	U	400	85.3		P
Cobalt	ug/L	80 - 116	180.8600		5.8000	U	200	90.4		P
Copper	ug/L	80 - 111	270.0800		2.0000	U	300	90.0		P
Iron	ug/L	80 - 120	8260.6000		5084.6000		3000	105.9		P
Lead	ug/L	80 - 119	918.5800		2.6000	U	1000	91.9		P
Magnesium	ug/L	80 - 120	11739.0000		9214.8000		2000	126.2		P
Manganese	ug/L	80 - 120	454.7700		255.1000		200	99.8		P
Mercury	ug/L	80 - 120	3.1300		0.1590	J	4.00	74.3	N	CV
Nickel	ug/L	80 - 118	451.5000		4.2000	U	500	90.3		P
Potassium	ug/L	80 - 120	20735.0000		10578.0000		10000	101.6		P
Selenium	ug/L	80 - 107	1928.1000		4.8000	U	2000	96.4		P
Silver	ug/L	80 - 120	69.2500		1.5000	U	75	92.3		P
Sodium	ug/L	80 - 120	92698.0000		84306.0000		3000	279.7		P
Thallium	ug/L	80 - 120	1856.0000		5.9300	J	2000	92.5		P
Vanadium	ug/L	80 - 113	264.4600		6.1000	U	300	88.2		P
Zinc	ug/L	80 - 116	190.1400		10.2400	J	200	90.0		P

CHEMTECH

Metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-09 **Client ID:** DGC-2SD

Percent Solids for Sample: 0 **Spiked ID:** C2653-11SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	80 - 120	1881.5000		11.8300	J	2000	93.5		P
Antimony	ug/L	80 - 115	711.1500		8.0000	U	800	88.9		P
Arsenic	ug/L	80 - 117	785.3100		4.2000	U	800	98.2		P
Barium	ug/L	81 - 120	678.5400		450.3100		200	114.1		P
Beryllium	ug/L	80 - 116	180.4700		0.7000	U	200	90.2		P
Cadmium	ug/L	80 - 120	180.3200		0.5000	U	200	90.2		P
Calcium	ug/L	80 - 120	100630.0000		92927.0000		1000	770.3		P
Chromium	ug/L	80 - 117	331.3000		1.1000	U	400	82.8		P
Cobalt	ug/L	80 - 116	178.1400		5.8000	U	200	89.1		P
Copper	ug/L	80 - 111	270.7600		2.0000	U	300	90.3		P
Iron	ug/L	80 - 120	8237.7000		5084.6000		3000	105.1		P
Lead	ug/L	80 - 119	922.4000		2.6000	U	1000	92.2		P
Magnesium	ug/L	80 - 120	11591.0000		9214.8000		2000	118.8		P
Manganese	ug/L	80 - 120	454.4500		255.1000		200	99.7		P
Mercury	ug/L	80 - 120	3.2000		0.1590	J	4.00	76.0	N	CV
Nickel	ug/L	80 - 118	451.4800		4.2000	U	500	90.3		P
Potassium	ug/L	80 - 120	21059.0000		10578.0000		10000	104.8		P
Selenium	ug/L	80 - 107	1970.0000		4.8000	U	2000	98.5		P
Silver	ug/L	80 - 120	68.7800		1.5000	U	75	91.7		P
Sodium	ug/L	80 - 120	92896.0000		84306.0000		3000	286.3		P
Thallium	ug/L	80 - 120	1880.0000		5.9300	J	2000	93.7		P
Vanadium	ug/L	80 - 113	264.0500		6.1000	U	300	88.0		P
Zinc	ug/L	80 - 116	186.7300		10.2400	J	200	88.2		P

CHEMTECH

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Level:** LOW **Client ID:** DGC-2A

Sample ID: C2653-09 **Spiked ID:** C2653-09A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	80 - 120	2.99		0.16	J	4.0	70.8		CV

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-01 **Client ID:** DGC-2D

Percent Solids for Sample: 0 **Duplicate ID** C2653-01D **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	22.9600	J	16.1100	J	35.1		P
Antimony	ug/L	20	8.0000	U	8.0000	U			P
Arsenic	ug/L	20	4.2000	U	4.2000	U			P
Barium	ug/L	20	639.9100		640.4400		0.1		P
Beryllium	ug/L	20	0.7000	U	0.7000	U			P
Cadmium	ug/L	20	0.5000	U	0.5000	U			P
Calcium	ug/L	20	100180.0000		99996.0000		0.2		P
Chromium	ug/L	20	1.1000	U	1.1000	U			P
Cobalt	ug/L	20	5.8000	U	5.8000	U			P
Copper	ug/L	20	7.4800	J	7.9000	J	5.5		P
Iron	ug/L	20	35315.0000		35349.0000		0.1		P
Lead	ug/L	20	12.4400		12.9800		4.2		P
Magnesium	ug/L	20	9708.6000		9728.7000		0.2		P
Manganese	ug/L	20	273.3600		273.5700		0.1		P
Mercury	ug/L	20	0.1570	J	0.1500	J	4.6		CV
Nickel	ug/L	20	4.2000	U	4.2000	U			P
Potassium	ug/L	20	10942.0000		10889.0000		0.5		P
Selenium	ug/L	20	4.8000	U	4.8000	U			P
Silver	ug/L	20	1.5000	U	1.5000	U			P
Sodium	ug/L	20	87661.0000		87528.0000		0.2		P
Thallium	ug/L	20	6.2300	J	3.2400	J	63.1		P
Vanadium	ug/L	20	6.1000	U	6.1000	U			P
Zinc	ug/L	20	19.7900	J	11.3100	J	54.5		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-01 **Client ID:** DGC-2SD

Percent Solids for Sample: 0 **Duplicate ID** C2653-03SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1914.5000		1915.8000		0.1		P
Antimony	ug/L	20	704.0900		712.1600		1.1		P
Arsenic	ug/L	20	784.7800		793.5100		1.1		P
Barium	ug/L	20	832.0400		836.5500		0.5		P
Beryllium	ug/L	20	187.8200		186.8000		0.5		P
Cadmium	ug/L	20	187.3100		188.7400		0.8		P
Calcium	ug/L	20	100080.0000		99364.0000		0.7		P
Chromium	ug/L	20	367.8700		358.6400		2.5		P
Cobalt	ug/L	20	186.2100		187.9600		0.9		P
Copper	ug/L	20	283.1200		283.8700		0.3		P
Iron	ug/L	20	37970.0000		37892.0000		0.2		P
Lead	ug/L	20	959.1200		966.1700		0.7		P
Magnesium	ug/L	20	11583.0000		11461.0000		1.1		P
Manganese	ug/L	20	454.8300		451.3700		0.8		P
Mercury	ug/L	20	3.9600		4.0000		1.0		CV
Nickel	ug/L	20	466.2000		469.2900		0.7		P
Potassium	ug/L	20	20386.0000		20544.0000		0.8		P
Selenium	ug/L	20	1962.1000		1965.1000		0.2		P
Silver	ug/L	20	73.8600		72.4500		1.9		P
Sodium	ug/L	20	90690.0000		90287.0000		0.4		P
Thallium	ug/L	20	1884.6000		1903.4000		1.0		P
Vanadium	ug/L	20	279.0800		278.6100		0.2		P
Zinc	ug/L	20	200.1200		200.3800		0.1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-09 **Client ID:** DGC-2D

Percent Solids for Sample: 0 **Duplicate ID** C2653-09D **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	11.8300	J	19.3600	J	48.3		P
Antimony	ug/L	20	8.0000	U	8.0000	U			P
Arsenic	ug/L	20	4.2000	U	4.2000	U			P
Barium	ug/L	20	450.3100		460.3900		2.2		P
Beryllium	ug/L	20	0.7000	U	0.7000	U			P
Cadmium	ug/L	20	0.5000	U	0.5000	U			P
Calcium	ug/L	20	92927.0000		96038.0000		3.3		P
Chromium	ug/L	20	1.1000	U	1.1000	U			P
Cobalt	ug/L	20	5.8000	U	5.8000	U			P
Copper	ug/L	20	2.0000	U	2.0000	U			P
Iron	ug/L	20	5084.6000		5272.9000		3.6		P
Lead	ug/L	20	2.6000	U	8.0900		200.0		P
Magnesium	ug/L	20	9214.8000		9430.8000		2.3		P
Manganese	ug/L	20	255.1000		261.0800		2.3		P
Mercury	ug/L	20	0.1590	J	0.0915	U	200.0		CV
Nickel	ug/L	20	4.2000	U	4.2000	U			P
Potassium	ug/L	20	10578.0000		10729.0000		1.4		P
Selenium	ug/L	20	4.8000	U	4.8000	U			P
Silver	ug/L	20	1.5000	U	1.5000	U			P
Sodium	ug/L	20	84306.0000		85575.0000		1.5		P
Thallium	ug/L	20	5.9300	J	4.4400	J	28.7		P
Vanadium	ug/L	20	6.1000	U	6.1000	U			P
Zinc	ug/L	20	10.2400	J	10.2400	J	0.0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **Level:** LOW **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Matrix: WATER **Sample ID:** C2653-09 **Client ID:** DGC-2SD

Percent Solids for Sample: 0 **Duplicate ID** C2653-11SD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1862.2000		1881.5000		1.0		P
Antimony	ug/L	20	700.2300		711.1500		1.5		P
Arsenic	ug/L	20	778.1400		785.3100		0.9		P
Barium	ug/L	20	669.7400		678.5400		1.3		P
Beryllium	ug/L	20	180.8600		180.4700		0.2		P
Cadmium	ug/L	20	180.7600		180.3200		0.2		P
Calcium	ug/L	20	101020.0000		100630.0000		0.4		P
Chromium	ug/L	20	341.0400		331.3000		2.9		P
Cobalt	ug/L	20	180.8600		178.1400		1.5		P
Copper	ug/L	20	270.0800		270.7600		0.3		P
Iron	ug/L	20	8260.6000		8237.7000		0.3		P
Lead	ug/L	20	918.5800		922.4000		0.4		P
Magnesium	ug/L	20	11739.0000		11591.0000		1.3		P
Manganese	ug/L	20	454.7700		454.4500		0.1		P
Mercury	ug/L	20	3.1300		3.2000		2.2		CV
Nickel	ug/L	20	451.5000		451.4800		0.0		P
Potassium	ug/L	20	20735.0000		21059.0000		1.6		P
Selenium	ug/L	20	1928.1000		1970.0000		2.1		P
Silver	ug/L	20	69.2500		68.7800		0.7		P
Sodium	ug/L	20	92698.0000		92896.0000		0.2		P
Thallium	ug/L	20	1856.0000		1880.0000		1.3		P
Vanadium	ug/L	20	264.4600		264.0500		0.2		P
Zinc	ug/L	20	190.1400		186.7300		1.8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

LABORATORY CONTROL SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB56114BS							
Aluminum	ug/L	2000	1826.30		91.3	81 - 117	P
Antimony	ug/L	800	750.05		93.8	80 - 114	P
Arsenic	ug/L	800	773.78		96.7	82 - 113	P
Barium	ug/L	200	203.13		101.6	83 - 118	P
Beryllium	ug/L	200	188.05		94.0	84 - 115	P
Cadmium	ug/L	200	200.31		100.2	82 - 119	P
Calcium	ug/L	1000	961.28	J	96.1	80 - 120	P
Chromium	ug/L	400	411.04		102.8	83 - 118	P
Cobalt	ug/L	200	195.00		97.5	82 - 118	P
Copper	ug/L	300	295.85		98.6	80 - 115	P
Iron	ug/L	3000	3058.20		101.9	80 - 112	P
Lead	ug/L	1000	945.08		94.5	83 - 119	P
Magnesium	ug/L	2000	1986.30		99.3	80 - 120	P
Manganese	ug/L	200	193.48		96.7	80 - 115	P
Nickel	ug/L	500	488.58		97.7	84 - 120	P
Potassium	ug/L	10000	9568.00		95.7	80 - 120	P
Selenium	ug/L	2000	1879.40		94.0	80 - 108	P
Silver	ug/L	75	73.12		97.5	81 - 120	P
Sodium	ug/L	3000	2921.70		97.4	80 - 120	P
Thallium	ug/L	2000	1826.80		91.3	86 - 120	P
Vanadium	ug/L	300	299.70		99.9	84 - 114	P
Zinc	ug/L	200	206.82		103.4	89 - 120	P

LABORATORY CONTROL SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. **SDG No.:** C2653

Contract: MALC02 **Lab Code:** CHEM **Case No.:** C2653 **SAS No.:** C2653

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB56123BS							
Mercury	ug/L	4.000	3.880		97.0	80 - 120	CV