

4/4/05

HESS CORPORATION

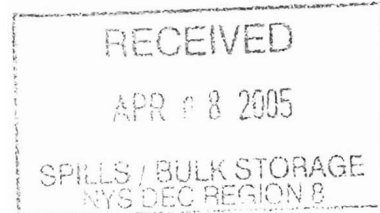
732-750-6
732-750-6

1 HESS PLAZA
WOODBIDGE, NJ 07095-0961

*Pete,
This CD
contains the
electronic report for
spill #s 96-03823 (Rockaway),
97-01135 (Fairport),
92-00374 (Rockaway).*

March 31, 2005

*Thanks
John Schenkewitz* observation



**Via: CERTIFIED MAIL # 7002 2410 0003 9868 3056
RETURN RECEIPT REQUESTED**

**Re: 2005 First Quarter Hydrogeologic Status Report
Closed Hess Station # 32458
1314 Fairport Road
Fairport, New York
NYSDEC Spill #97-01135**

Dear Mr. Miller:

Amerada Hess Corporation (Hess) is pleased to submit this Hydrogeologic Status Report for the above-referenced site. The report has been prepared by Shaw Environmental, Inc. and Geologic Services Corporation, and contains data obtained during the first quarter of 2005. The next sampling event is scheduled for April 2005.

Hess will provide the New York State Department of Environmental Conservation (NYSDEC) with a summary of the agreed upon remedial actions for this site as discussed during the March 23, 2005 meeting. The summary will be submitted to the NYSDEC under separate cover.

Attached, please find a diskette, which contains the electronic version of this report for the NYSDEC eDOCs initiative. If you have any questions, please contact Meagan Gabe of Quantum Management Group, Inc. at (732) 750-6482 or the undersigned at (732) 750-6616.

Sincerely,

John Schenkewitz
Remediation Coordinator

Enclosure

cc: Shaw Environmental, Inc., Rensselaer (w/o Enclosure)
Brian Kelly - GSC (w/ Enclosure)
Meagan Gabe - Quantum (w/o Enclosure)

732-750-6105

AMERADA HESS CORPORATION SITE STATUS REPORT

Site Address: Closed Hess Station #32458 1314 Fairport Road Fairport, New York	Regulatory Agency: NYSDEC Region 8 Regulatory Contact: Peter Miller Case No: 97-01135 Consultant: Geologic Services Corporation/Shaw Environmental Project Manager / Environmental Scientist: Brian M. Kelly/Adam Etringer, Pat Storz
Hess Contact: John Schenkewitz	

Report Date:	March 2005.																				
Current Site Status:	Closed Hess Station.																				
Monitoring Period:	November 2004 through January 2005																				
Work Performed:	Gauged and sampled 15 monitoring wells on January 12, 2005; Operation and maintenance (O&M) events were conducted on November 3 and 24, 2004; December 8 and 23, 2004; and January 13 and 26, 2005.																				
Groundwater Monitoring:	<table><tr><td>Number of Wells:</td><td>15</td></tr><tr><td>Containing LPH:</td><td>0</td></tr><tr><td>Gauging Frequency:</td><td>Quarterly</td></tr><tr><td>Sampling Frequency:</td><td>Quarterly</td></tr><tr><td>Groundwater Depth:</td><td>2.80 feet to 7.11 feet below grade</td></tr><tr><td>Groundwater Flow:</td><td>Southwest</td></tr><tr><td>Groundwater Gradient:</td><td>0.036 feet per foot</td></tr><tr><td>Maximum BTEX Concentration:</td><td>3,630 µg/L (MW-2R)</td></tr><tr><td>Maximum MTBE Concentration:</td><td>45 µg/L (MW-10)</td></tr><tr><td>Maximum Naphthalene Concentration:</td><td>260 µg/L (MW-13)</td></tr></table>	Number of Wells:	15	Containing LPH:	0	Gauging Frequency:	Quarterly	Sampling Frequency:	Quarterly	Groundwater Depth:	2.80 feet to 7.11 feet below grade	Groundwater Flow:	Southwest	Groundwater Gradient:	0.036 feet per foot	Maximum BTEX Concentration:	3,630 µg/L (MW-2R)	Maximum MTBE Concentration:	45 µg/L (MW-10)	Maximum Naphthalene Concentration:	260 µg/L (MW-13)
Number of Wells:	15																				
Containing LPH:	0																				
Gauging Frequency:	Quarterly																				
Sampling Frequency:	Quarterly																				
Groundwater Depth:	2.80 feet to 7.11 feet below grade																				
Groundwater Flow:	Southwest																				
Groundwater Gradient:	0.036 feet per foot																				
Maximum BTEX Concentration:	3,630 µg/L (MW-2R)																				
Maximum MTBE Concentration:	45 µg/L (MW-10)																				
Maximum Naphthalene Concentration:	260 µg/L (MW-13)																				
Potential Sensitive Receptors:	The Monroe County Water Authority and the Monroe County Department of Health indicate that there are no potable water supply wells in the vicinity of the site. The Erie Canal is located approximately 1,500 feet east of the site.																				
Remedial Activities:	A Groundwater Extraction and Treatment System (PTS) has been operating in conjunction with a Soil Vapor Extraction (SVE) System since May 3, 2004. Since system start-up, the PTS has treated approximately 165,000 gallons of groundwater and recovered an estimated 0.74 gallons of volatile organic compounds (VOCs). Moreover, since start-up, the SVE system has removed approximately 680 pounds of total petroleum hydrocarbons (TPH). As shown in Table 1, BTEX and MTBE concentrations are generally decreasing across the site since the remediation system activation and no LPH has been detected.																				
Current Plans/Proposals	Continual optimization of the remediation system is planned during bi-monthly operation and maintenance events. The next groundwater sampling event is scheduled for April 2005.																				

List of Attachments:	Tables:	Table 1 – Historical Summary of Groundwater Data
		Table 2 – Groundwater Extraction and Treatment System Analytical Data
		Table 3 – Historical Soil Vapor Extraction System Analytical Data Summary
		Table 4 – Monitoring Well Sampling Schedule
	Figures:	Figure 1 – Locus Plan
		Figure 2 – Hydrocarbon Distribution/Groundwater Contour Map
		Figure 3 – Groundwater Extraction and Treatment System Flow Rate
		Figure 4 – Groundwater Extraction and Treatment System Influent Concentration
		Figure 5 – Groundwater Extraction and Treatment System Mass Removal
		Figure 6 – Soil Vapor Extraction System Flow Rate
		Figure 7 – Soil Vapor Extraction System Influent Concentration
		Figure 8 – Soil Vapor Extraction System Mass Removal
	Appendices:	Appendix A – Laboratory Sample Analytical Report and Chain of Custody

TABLES

Table 1
Historical Summary of Groundwater Data
Former Hess Station No. 32458
1314 Fairport Road
Fairport, New York

Well ID	Sample Date	Top of Casing ^a (feet)	Depth to Water ^b (ft)	Depth to Product/ Thickness (feet)	Water Table Elevation (feet)	Benzene	Toluene	Ethylbenzene	Total Xylenes ^c	Total BTX ^c	MTBE ^c	Naphthalene
MW-1	11/18/98	NG	NG	NP	NA	--	--	--	--	32,722	<100	5.1
	11/17/99	93.96	11.50	NP	82.46	--	--	--	--	30,620	<200	ND
	02/22/00	93.96	10.35	NP	83.61	--	--	--	--	25,486.8	ND	467
	05/23/00	93.96	7.26	NP	86.70	--	--	--	--	22,340	150	660
	08/29/00	93.96	10.31	NP	83.65	--	--	--	--	20,780	ND	710
	11/20/00	93.96	10.68	NP	83.28	--	--	--	--	21,770	130	610
	02/19/01	93.96	8.10	NP	85.86	--	--	--	--	24,760	180	670
	05/21/01	93.96	8.70	NP	85.26	--	--	--	--	19,350	90	610
	08/15/01	93.96	12.57	NP	81.39	--	--	--	--	20,910	500	400
	11/14/01	93.96	11.91	NP	82.05	NS	NS	NS	NS	NS	NS	NS
	02/07/02	93.96	8.88	NP	85.08	4,300	540	5,600	19,600	30,040	<50	1,200
	06/11/02	93.96	7.62	NP	86.34	3,700	310	3,700	11,700	19,410	170	860
	09/09/02	93.96	12.16	NP	81.80	5,700	360	4,000	11,200	21,260	200	730
	12/11/02	93.96	10.50	NP	83.46	4,600	350	5,100	15,600	25,650	<200	2,500
	03/18/03	93.96	7.52	NP	86.44	1,500	300	3,900	11,400	17,100	160	900
	06/18/03	93.96	7.87	NP	86.09	4,200	140	2,600	6,700	13,640	<100	460
	09/22/03	98.39	11.19	NP	87.20	5,500	140	2,700	7,100	15,440	120	590
	12/01/03	98.39	7.65	NP	90.74	3,000	190	2,000	7,800	12,990	<100	720
	03/30/04	98.39	6.07	NP	92.32	4,100	170	3,300	8,900	16,470	110	660
	07/13/04 ^e	98.33	7.87	NP	90.46	4,800	120	2,000	5,340	12,260	160	310
	10/07/04	98.33	9.05	NP	89.28	3,500	75	1,700	4,120	9,395	110	320
	01/12/05	98.33	6.25	NP	92.08	120	2.6	ND	161	283.6	25	97
MW-2	11/18/98	NA	NG	NA	NA	--	--	--	--	1,188.2	ND	88.6
	11/17/99	NA	10.60	NP	NA	--	--	--	--	1,738	ND	21.3
	02/22/00	NA	9.33	NP	NA	--	--	--	--	1,176.9	ND	58.4
	05/23/00	NA	7.69	NP	NA	--	--	--	--	4,870	410	330
	08/29/00	NA	8.35	NP	NA	--	--	--	--	521	10	39
	11/20/00	NA	9.55	NP	NA	--	--	--	--	558	ND	ND
MW-2R	Well destroyed 11/20/00											
	05/21/01	94.10	8.65	NP	85.45	--	--	--	--	64,500	4,100	810
	08/15/01	94.10	11.91	NP	82.19	--	--	--	--	320,500	5,200	4,500
	11/14/01	94.10	12.57	11,551/02	81.53 [*]	NS	NS	NS	NS	NS	NS	NS
	02/07/02	94.10	8.76	8,390/37	85.34 [*]	NS	NS	NS	NS	NS	NS	NS
	06/11/02	94.10	7.45	7,450/01	86.65 [*]	20,000	46,000	13,000	70,000	149,000	2,200	6,300
	09/09/02	94.10	12.95	11,921/03	81.15 [*]	NS	NS	NS	NS	NS	NS	NS
	12/11/02	94.10	10.39	10,100/29	83.91 [*]	NS	NS	NS	NS	NS	NS	NS
	03/18/03	94.10	8.08	7,140/94	86.68 [*]	NS	NS	NS	NS	NS	NS	NS
	06/18/03	94.10	10.01	7,222/79	86.04 [*]	NS	NS	NS	NS	NS	NS	NS
	09/22/03 ^e	98.50	13.78	11,821/96	86.09 [*]	NS	NS	NS	NS	NS	NS	NS
	12/01/03	98.50	8.47	7,351/12	90.81 [*]	NS	NS	NS	NS	NS	NS	NS
	03/30/04	98.50	7.18	6,171/01	92.03 [*]	NS	NS	NS	NS	NS	NS	NS
	07/13/04 ^e	98.66	9.31	NP	89.35	7,400	18,000	8,700	79,000	113,100	700	7,200
	10/07/04	98.66	9.08	NP	89.58	7,000	4,300	2,400	23,100	36,800	<500	1,600
	01/12/05	98.66	7.11	NP	91.55	130	<50	<50	3,500	3,630	<50	220

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Well ID	Sample Date	Top of Casing* (feet)	Depth to Water* (ft)	Depth to Product/ Thickness (feet)	Water Table Elevation (feet)	Benzene	Toluene	Ethylbenzene	Total Xylenes ¹	Total BTX ⁴	MTBE ⁵	Naphthalene
MW-3R	05/23/00	93.84	6.66	NP	87.18	--	--	--	--	87.700	4.700	570
	08/29/00	93.84	9.93	NP	83.91	--	--	--	--	62.500	3.300	1,800
	11/20/00	93.84	10.01	NP	83.83	--	--	--	--	28.400	2000	540
	02/19/01	93.84	7.34	NP	86.50	--	--	--	--	65.600	4.100	660
	05/21/01	93.84	8.25	NP	85.59	--	--	--	--	59.100	3.600	760
	08/15/01	93.84	11.95	NP	81.89	--	--	--	--	54.400	4000	910
	11/14/01	93.84	11.36	NP	82.48	--	--	--	--	75.000	4.600	5,700
	02/07/02	93.84	7.63	NP	86.21	5.900	38.000	2.900	19.200	66.000	4.500	920
	06/11/02	93.84	6.85	NP	86.99	2.300	29.000	2.900	16.400	50.600	1.400	1,400
	09/09/02	93.84	11.94	NP	81.90	2.900	36.000	3.200	17.500	59.600	3.200	570
	12/11/02	93.84	9.49	NP	84.55	3.500	26.000	4.800	24.100	58.400	1.200	3,400
	03/18/03	93.84	5.82	NP	88.02	3.600	50.000	8.700	52.000	114.300	1.100	3,200
	06/18/03	93.84	7.47	7.370.10	86.44*	NS	NS	NS	NS	NS	NS	NS
	09/22/03*	98.57	11.05	NP	87.52	3.300	15.000	3.000	16.500	37.800	1.600	650
	12/01/03	98.57	5.08	NP	93.49	1.500	8.600	2.100	10.300	22.500	420	550
	03/30/04	98.57	3.72	NP	94.85	560	8.400	1.500	12.800	23.260	<100	1,000
	07/13/04*	97.43	8.12	NP	89.31	3.100	230	820	3.940	8.090	170	300
	10/07/04	97.43	6.27	NP	91.16	790	520	290	3.240	4.840	71	240
	01/12/05	97.43	5.11	NP	92.32	250	<50	<50	990	1.240	<50	130
MW-4	11/18/08	92.86	NG	NP	NA	ND	ND	ND	ND	ND	ND	ND
	11/17/09	92.86	9.76	NP	83.10	ND	ND	ND	ND	ND	ND	ND
	02/22/00	92.86	7.00	NP	85.86	--	--	--	--	0.99	ND	ND
	05/23/00	92.86	5.63	NP	87.23	ND	ND	ND	ND	ND	ND	ND
	08/29/00	92.86	8.66	NP	84.20	ND	ND	ND	ND	ND	ND	ND
	11/20/00	92.86	9.10	NP	83.76	ND	ND	ND	ND	ND	ND	ND
	02/19/01	92.86	6.25	NP	86.61	ND	ND	ND	ND	ND	ND	ND
	05/21/01	92.86	7.20	NP	85.66	ND	ND	ND	ND	ND	ND	ND
	08/15/01	92.86	10.72	NP	82.14	--	--	--	--	7.5	ND	2.20
	11/14/01	92.86	10.38	NP	82.48	--	--	--	--	5.0	ND	20
	02/07/02	92.86	6.60	NP	86.26	ND	ND	ND	ND	ND	ND	ND
	06/11/02	92.86	6.01	NP	86.85	ND	ND	ND	ND	ND	ND	ND
	09/09/02	92.86	10.81	NP	82.05	ND	ND	ND	ND	ND	ND	ND
	12/11/02	92.86	8.89	NP	83.97	ND	ND	ND	ND	ND	ND	ND
	03/18/03	92.86	4.85	NP	88.01	ND	ND	ND	ND	ND	ND	ND
	06/18/03	92.86	6.35	NP	86.51	ND	ND	ND	ND	ND	ND	ND
	09/22/03*	97.64	9.69	NP	87.95	ND	ND	ND	1.2	1.2	ND	ND
	12/01/03	97.64	5.64	NP	92.00	ND	ND	ND	ND	ND	ND	ND
	03/30/04	97.64	4.50	NP	93.14	ND	ND	ND	ND	ND	ND	ND
	07/13/04*	97.63	7.90	NP	89.73	ND	ND	ND	ND	ND	ND	ND
	10/07/04	97.63	7.52	NP	90.11	ND	2.6	ND	7.8	10.4	ND	11
	01/12/05	97.63	5.01	NP	92.62	ND	ND	ND	ND	ND	ND	ND

Total BTX
1240 mg/l

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Well ID	Sample Date	Top of Casing ^a (feet)	Depth to Water ^b (ftg)	Depth to Product/ Thickness (feet)	Water Table Elevation (feet)	Benzene	Toluene	Ethylbenzene	Total Xylenes ^c	Total BTX ^d	MTBE ^e	Naphthalene
MW-5	11/18/98	91.45	NG	NA	NA	--	--	--	--	1.5	ND	ND
	11/17/99	91.45	8.45	NP	83.00	ND	ND	ND	ND	ND	ND	ND
	02/22/00	91.45	6.87	NP	84.58	ND	ND	ND	ND	ND	ND	ND
	05/23/00	91.45	3.68	NP	87.77	ND	ND	ND	ND	ND	ND	ND
	08/29/00	91.45	7.52	NP	83.93	ND	ND	ND	ND	ND	ND	ND
	11/20/00	91.45	7.49	NP	83.96	ND	ND	ND	ND	ND	ND	ND
	02/19/01	91.45	4.36	NP	87.09	--	--	--	--	1.6	1.6	ND
	05/21/01	91.45	6.00	NP	85.45	ND	ND	ND	ND	ND	ND	ND
	08/15/01	91.45	10.15	NP	81.30	--	--	--	--	29.8	ND	1.2
	11/14/01	91.45	8.99	NP	82.46	ND	ND	ND	ND	ND	ND	ND
	02/07/02	91.45	4.02	NP	87.43	ND	1.1	ND	ND	1.1	ND	ND
	06/11/02	91.45	4.61	NP	86.84	ND	ND	ND	ND	ND	ND	ND
	09/09/02	91.45	10.18	NP	81.27	ND	ND	ND	ND	ND	ND	ND
	12/11/02	91.45	7.39	NP	84.06	ND	ND	ND	ND	ND	ND	ND
	03/18/03	91.45	3.92	NP	87.53	ND	ND	ND	ND	ND	ND	ND
	06/18/03	91.45	4.82	NP	86.63	ND	ND	ND	ND	ND	ND	ND
	09/22/03 ^a	98.55	8.70	NP	89.85	ND	ND	ND	1.2	1.2	ND	1.1
	12/01/03	98.55	2.82	NP	95.73	ND	ND	ND	ND	ND	ND	ND
	03/30/04	98.55	2.51	NP	96.04	ND	ND	ND	ND	ND	ND	ND
	07/13/04 ^a	98.54	5.89	NP	92.65	ND	ND	ND	ND	ND	ND	ND
MW-6	10/07/04	98.54	6.33	NP	92.21	ND	ND	ND	ND	ND	ND	ND
	01/12/05	98.54	3.61	NP	94.93	ND	ND	ND	ND	ND	ND	ND
	05/23/00	93.51	6.64	NP	86.87	--	--	--	--	14.040	230	920
	08/29/00	93.51	10.17	NP	83.34	--	--	--	--	16.110	210	1,000
	11/20/00	93.51	10.58	NP	82.93	--	--	--	--	12.880	130	1,100
	02/19/01	93.51	7.56	NP	85.95	--	--	--	--	11.983	150	870
	05/21/01	93.51	8.50	NP	85.01	--	--	--	--	4.326	44	370
	08/15/01	93.51	12.12	NP	81.39	--	--	--	--	10.270	110	800
	11/14/01	93.51	12.02	NP	81.49	--	--	--	--	15.691	44	1,600
	02/07/02	93.51	8.27	NP	85.24	89	120	3,900	17,300	21,409	<50	2,000
	06/11/02	93.51	6.96	NP	86.55	<50	190	740	3,300	4,230	58	870
	09/09/02	93.51	12.20	NP	81.31	<35	<50	920	7,400	8,320	55	780
	12/11/02	93.51	10.48	NP	83.03	<70	<100	850	6,800	7,650	<100	570
	03/18/03	93.51	6.75	NP	86.76	81	40	1,400	4,900	6,421	56	900
	06/18/03	93.51	7.36	NP	86.15	<35	<50	260	1,000	1,260	<50	500
	09/22/03 ^a	98.22	11.15	NP	87.07	<35	<50	650	4,500	5,150	50	660
	12/01/03	98.22	7.08	NP	91.14	<35	<50	330	1,720	2,050	<50	330
	03/30/04	98.22	4.78	NP	93.44	ND	9.6	ND	12.7	22.3	ND	2.7
	07/13/04 ^a	98.21	9.00	NP	89.21	2.5	4.9	62	211	280.4	ND	31
	10/07/04	98.21	8.86	NP	89.35	2.3	6.4	20	249	277.7	1.4	81
	01/12/05	98.21	6.49	NP	91.72	20	4.2	170	333	477.2	3.3	87

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Fairport, New York

Well ID	Sample Date	Top of Casing* (feet)	Depth to Water* (ft)	Depth to Product/ Thickness (feet)	Water Table Elevation (feet)	Benzene	Toluene	Ethylbenzene	Total Xylenes ^c	Total BTEX ^d	MTBE ^e	Naphthalene
MW-7	05/23/00	93.95	5.93	NP	88.02	--	--	--	--	536	20	69
	08/29/00	93.95	10.50	NP	83.45	--	--	--	--	1,581	67	210
	11/20/00	93.95	10.80	NP	83.15	--	--	--	--	2,424	85	170
	02/19/01	93.95	7.85	NP	86.10	--	--	--	--	260.3	61	29
	05/21/01	93.95	8.70	NP	85.25	--	--	--	--	3,120	860	ND
	08/15/01	93.95	12.55	NP	81.40	--	--	--	--	1,999	300	14
	11/14/01	93.95	12.32	NP	81.63	--	--	--	--	NS	NS	NS
	02/07/02	93.95	8.61	NP	85.34	5,300	760	5,100	16,300	27,460	1,300	1500
	06/11/02	93.95	7.39	NP	86.56	79	<50	940	2,770	3,789	120	670
	09/09/02	93.95	12.71	NP	81.24	1,000	150	2,400	5,870	9,420	360	640
	12/11/02	93.95	10.91	NP	83.04	<140	1,100	25,000	75,300	101,400	3,000	20,000
	03/18/03	93.95	7.26	NP	86.69	260	6,700	15,000	44,500	66,460	2,700	10,000
	06/18/03	93.95	8.41	8,190.22	85.69*	NS	NS	NS	NS	NS	NS	NS
	09/22/03 ^c	98.07	11.88	11,720.16	86.90*	NS	NS	NS	NS	NS	NS	NS
	12/01/03	98.67	NG	N/A	NA	NS*	NS*	NS*	NS*	NS*	NS*	NS*
	03/30/04	98.67	6.02	NP	92.65	180	43	1,400	4,730	6,353	61	740
	07/13/04 ^c	98.94	8.24	NP	90.70	3,300	180	1,300	3,920	8,700	220	250
	10/07/04	98.94	9.63	NP	89.11	2,300	110	650	3,270	6,310	150	220
MW-8	01/12/05	98.94	5.54	NP	93.40	5.2	ND	ND	ND	11.1	3.5	4.8
	08/15/01	94.22	12.63	NP	81.59	--	--	--	--	61,900	210	1,400
	11/14/01	94.22	12.30	NP	81.92	--	--	--	--	65,300	73	1,000
	02/07/02	94.22	7.97	NP	86.25	32,000	7,200	3,400	25,100	67,700	<50	1,100
	06/11/02	94.22	8.01	NP	86.21	14,000	8,700	3,400	22,700	48,800	330	1,400
	09/09/02	94.22	12.92	12,730.19	81.30*	NS	NS	NS	NS	NS	NS	NS
	12/11/02	94.22	11.28	10,940.34	83.18*	NS	NS	NS	NS	NS	NS	NS
	03/18/03	94.22	7.76	NP	86.46	15,000	5,400	4,000	21,300	45,700	240	610
	06/18/03	94.22	8.60	8,370.23	85.78*	NS	NS	NS	NS	NS	NS	NS
	09/22/03 ^c	98.07	12.17	11,870.30	87.01*	NS	NS	NS	NS	NS	NS	NS
	12/01/03	98.07	6.01	NP	92.96	10,000	3,000	1,800	13,600	28,400	<200	520
	03/30/04	98.07	4.62	NP	94.35	10,000	2,200	2,900	22,400	37,500	<200	1,000
	07/13/04 ^c	97.28	6.81	NP	90.47	2,400	160	<50	3,460	6,020	170	240
	10/07/04	97.28	7.83	NP	89.45	5,100	580	630	7,400	13,710	160	310
	01/12/05	97.28	5.28	NP	92.00	280	<50	<50	1,020	1,300	<50	120
	09/09/02	90.94	9.95	NP	80.99	ND	9.8	47	201.6	258.4	50	26
	12/11/02	90.94	8.01	NP	82.93	<350	960	11,000	26,300	38,260	3,800	8,900
MW-9	03/18/03	90.94	2.82	NP	88.12	<35	1,800	3,500	8,260	13,560	910	1,800
	06/18/03	90.94	4.81	NP	86.13	<140	<200	1,600	3,400	5,000	340	850
	09/22/03 ^c	95.19	8.76	8,700.06	86.47*	NS	NS	NS	NS	NS	NS	NS
	12/01/03	95.19	2.77	NP	92.42	<70	<100	610	2,140	2,750	<100	450
	03/30/04	95.19	2.24	NP	92.95	<3.5	10	240	1,362	1,612	58	210
	07/13/04 ^c	95.18	5.38	NP	89.80	6.1	26	120	605	757.1	16	93
	10/07/04	95.18	6.41	NP	88.77	ND	7.2	200	368	575.2	46	83
	01/12/05	95.18	2.80	NP	92.38	ND	13.0	1.2	11.6	25.8	8.9	48
	09/22/03 ^c	98.77	11.32	NP	87.45	150	<20	1,900	1,322	3,372	140	350
	12/01/03	98.77	5.67	NP	93.10	77	<20	1,000	881	1,958	58	190
MW-10	03/30/04	98.77	4.46	NP	94.31	42	17	<10	881	940	18	160
	07/13/04 ^c	96.77	6.27	NP	90.50	3,500	250	450	4,400	8,600	170	320
	10/07/04	96.77	7.52	NP	89.25	1,500	66	600	800	2,966	160	200
	01/12/05	96.77	4.95	NP	91.82	370	48	310	940	1,668	45	120

Table 1
Historical Summary of Groundwater Data
Former Hess Station No. 32458
1314 Fairport Road
Fairport, New York

Well ID	Sample Date	Top of Casing ^a (feet)	Depth to Water ^b (ftg)	Depth to Product/ Thickness (feet)	Water Table Elevation (feet)	Benzene	Toluene	Ethylbenzene	Total Xylenes ^c	Total BTX ^d	MTBE ^e	Naphthalene
MW-11	09/22/03 ^a	98.95	11.60	NP	87.35	5,300	590	1,600	13,000	20,490	130	480
	12/01/03	98.95	5.99	NP	92.96	5,200	2,100	1,500	10,400	19,200	<100	380
	03/06/04	98.95	4.84	NP	94.11	3,500	1,400	520	11,700	17,120	130	510
	07/13/04 ^b	97.46	7.21	NP	90.25	2,200	180	38	3,240	5,658	140	250
	10/07/04	97.46	7.96	NP	89.50	2,100	300	1,300	5,600	9,300	91	310
MW-12	01/12/05	97.46	5.70	NP	91.76	260	12	ND	910	1,182	33	100
	09/22/03 ^a	98.59	10.99	NP	87.60	2,700	2,400	870	7,300	11,270	340	320
	12/01/03	98.59	5.47	NP	93.12	4,600	7,800	1,100	11,300	24,800	240	340
	03/06/04	98.59	4.38	NP	94.21	3,200	7,400	1,200	11,900	23,700	130	340
	07/13/04 ^b	97.30	7.83	NP	89.47	2,300	290	1,400	3,340	7,330	140	360
MW-13	10/07/04	97.30	7.63	NP	89.67	1,100	950	670	4,480	7,290	160	250
	01/12/05	97.30	5.24	NP	92.06	250	<25	<25	880	1,130	34	100
	07/13/04 ^b	97.46	8.38	NP	89.08	83	49	2,400	4,110	6,642	43	660
	10/07/04	97.46	8.65	NP	88.81	10	5.4	240	402	657.4	8.5	49
	01/12/05	97.46	6.75	NP	90.71	110	21	1,100	1,271	2,502	35	260
MW-14	07/13/04 ^b	96.75	7.87	NP	88.88	36	26	450	2,150	2,662	46	730
	10/07/04	96.75	8.35	NP	88.40	42	16	1,200	1,180	2,438	100	190
	01/12/05	96.75	6.03	NP	90.72	40	11	140	416	607	37	230
	07/13/04 ^b	96.12	7.29	NP	88.83	17	7.6	2.0	2.5	29.1	24	11
	10/07/04	96.12	8.41	NP	87.71	<3.5	7.8	290	30	327.8	80	89
MW-15	01/12/05	96.12	5.02	NP	91.10	ND	12	380	ND	392	23	120
NYSDEC Standards												
						1.0	5	5	5	5	10	10

Notes:

All constituent concentrations are presented in micrograms per liter (ug/L).

a - Relative to an arbitrary benchmark.

b - Measured from top of inside casing.

c - Sum of m, p-Xylenes and o-Xylenes.

d - Sum of Benzene, Toluene, Ethylbenzene, and Total Xylenes.

e - Methyl tertiary butyl ether.

ftg - Feet below grade.

- Refer to historical status reports for Benzene, Toluene, Ethylbenzene, and Xylenes concentrations.

- Monitoring wells resurveyed by GSC.

- Groundwater elevation corrected due to SPH.

Corrected groundwater elevation = water elevation + (0.7 x product thickness)

NA - Not applicable.

ND - Not detected above reporting detection limit.

< - Not detected, reporting limit greater than NYSDEC Guidance Value.

NS - Not sampled due to liquid phase hydrocarbons.

NG - Well not gauged.

NP - No liquid phase hydrocarbons noted in well.

NS* - Not sampled, well obstructed.

Bold - Value exceeds NYSDEC Ambient Water Quality Standards and Guidance Val

NYSDEC Standards - New York State Department of Environmental Conservation

Ambient Water Quality Standards and Guidance Values, June 1998 and Addendum 2000.

Table 2
Groundwater Extraction and Treatment System Analytical Data

Former Hess Station No. 32458
1314 Fairport Road
Fairport, New York

RECENT
SYSTEM
INFLUENT

5,951 Total
BTX

Sample Location	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes*	Total BTX**	MTBE	Naphthalene
Influent	4-May-04	2,820	5,060	2,440	9,130	19,450	128	450
	5-May-04	3,230	1,690	1,700	6,780	13,400	36	446
	6-May-04	2,620	903	1,820	4,910	10,253	132	534
	18-May-04	4,400	1,100	2,600	8,200	16,300	320	360
	27-May-04	2,270	<592	1,600	5,460	9,922	51	NC
	4-Jun-04	2,720	732	1,720	6,010	11,182	52	NC
	17-Jun-04	2,690	377	2,110	4,890	10,067	60	NC
	13-Jul-04	3,470	250.0	2,250	4,690	10,660	162	NC
	12-Aug-04	2,290	303.0	1,490	5,060	9,143	39	NC
	9-Sep-04	1,330	231.0	1,050	3,090	5,701	89	NC
	8-Oct-04	3,090	409.0	1,780	4,990	10,269	118	NC
	3-Nov-04	1,250	191.0	1,530	3,350	6,321	79	NC
	8-Dec-04	1,740	192.0	1,660	3,720	6,862	96.4	NC
	13-Jan-05	1,350	141.0	1,370	3,090	5,951	<50	NC
Midfluent-1	4-May-04	12.7	20.8	8.2	40	82	1.5	5
	5-May-04	NC	NC	NC	NC	NC	NC	NC
	6-May-04	NC	NC	NC	NC	NC	NC	NC
	18-May-04	<1.0	<1.0	<1.0	3.4	<6	<1.0	<1.0
	27-May-04	1.4	1.9	2.6	10.9	17	<1.0	NC
	4-Jun-04	9.9	4.8	4.9	25.1	45	<1.0	NC
	17-Jun-04	3.9	1.7	3.2	10.6	19	<1.0	NC
	13-Jul-04	1.3	3.1	1.1	2.8	8	<1.0	NC
	12-Aug-04	<1.0	0.2	<1.0	<1.0	<3	<1.0	NC
	9-Sep-04	<0.4	1.2	<1.0	0.92	<4	<1.0	NC
	8-Oct-04	0.99	1.0	0.40	1.6	<4	<1.0	NC
	3-Nov-04	<1.0	1.0	<1.0	<1.0	<4	<1.0	NC
	8-Dec-04	4.0	1.3	2.7	7.5	16	<1.0	NC
	13-Jan-05	<1.0	<1.0	<1.0	<1.0	<4	<1.0	NC
Midfluent-2	4-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	<2.0
	5-May-04	NC	NC	NC	NC	NC	NC	NC
	6-May-04	NC	NC	NC	NC	NC	NC	NC
	18-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	<2.0
	27-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	4-Jun-04	<1.0	0.5	<1.0	0.4	<3	<1.0	NC
	17-Jun-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	13-Jul-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	12-Aug-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	9-Sep-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	8-Oct-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	3-Nov-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	8-Dec-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	13-Jan-05	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
System Effluent	4-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	<2.0
	5-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	<2.0
	6-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	<2.0
	18-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	<2.0
	27-May-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	4-Jun-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	17-Jun-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	13-Jul-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	12-Aug-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	9-Sep-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	8-Oct-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	3-Nov-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	8-Dec-04	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
	13-Jan-05	<1.0	<1.0	<1.0	<1.0	BDL	<1.0	NC
NYSDEC Stipulation Agreement Water Discharge Limits	-	1	5	5	5	-	10	10

Notes:
All constituent concentrations are presented in micrograms per liter (ug/l).
* - Summation of ortho, meta and para xylenes.
** - Summation of compounds that were detected above the laboratory method reporting limit.
BTX - Benzene, Toluene, Ethylbenzene, and Total Xylenes.
MTBE - methyl tertiary-butyl ether.
BDL - below detection limit, and
NC - sample not collected.



Table 3
Historical Soil Vapor Extraction System Analytical Data Summary

Former Hess Station No. 32458
1314 Fairport Road
Fairport, New York

Date	Parameter	NYSDEC Ambient Air Quality Standards*	Effluent (mg/m3)	Air Flow (SCFM)
6-May-04	Benzene	26.486	26	143.7
	Toluene	NA	<0.19	
	Ethylbenzene	NA	<0.22	
	Total Xylenes	NA	1.0	
	MTBE	NA	<0.18	
27-May-04	Benzene	15.892	6.4	253.7
	Toluene	NA	40.3	
	Ethylbenzene	NA	6.1	
	Total Xylenes	NA	40	
	MTBE	NA	0.90	
17-Jun-04	Benzene	15.892	0.99	284.3
	Toluene	NA	6.4	
	Ethylbenzene	NA	1.0	
	Total Xylenes	NA	13	
	MTBE	NA	<0.18	
13-Jul-04	Benzene	19.864	1.10	168.5
	Toluene	NA	4.10	
	Ethylbenzene	NA	0.48	
	Total Xylenes	NA	20	
	MTBE	NA	<0.18	
12-Aug-04	Benzene	19.864	<0.080	171.2
	Toluene	NA	0.29	
	Ethylbenzene	NA	<0.22	
	Total Xylenes	NA	6.5	
	MTBE	NA	<0.18	
9-Sep-04	Benzene	26.468	1.3	144.3
	Toluene	NA	1.5	
	Ethylbenzene	NA	1.5	
	Total Xylenes	NA	8.3	
	MTBE	NA	1.8	
8-Oct-04	Benzene	19.864	<0.080	169.2
	Toluene	NA	<0.19	
	Ethylbenzene	NA	<0.22	
	Total Xylenes	NA	<0.22	
	MTBE	NA	<0.18	
3-Nov-04	Benzene	26.486	<0.080	125.9
	Toluene	NA	<0.19	
	Ethylbenzene	NA	<0.22	
	Total Xylenes	NA	<0.22	
	MTBE	NA	<0.18	
8-Dec-04	Benzene	26.486	<0.080	132.0
	Toluene	NA	<0.19	
	Ethylbenzene	NA*	<0.22	
	Total Xylenes	NA	<0.22	
	MTBE	NA	<0.18	
13-Jan-05	Benzene	26.486	<0.080	130.3
	Toluene	NA	<0.19	
	Ethylbenzene	NA	<0.22	
	Total Xylenes	NA	<0.22	
	MTBE	NA	<0.18	

NA - Not Applicable;

mg/m3 - milligrams per cubic meter;

SCFM - Standard cubic feet per minute

< - value less than reporting limit;

* - NYSDEC Ambient Air Quality Standards using a 25' stack height



Table 4
Monitoring Well Sampling Schedule
Closed Hess Station #32458
Fairport, New York

Groundwater		Monitoring Well ID							
Sampling Months		MW-1	MW-2R	MW-3R	MW-4	MW-5	MW-6	MW-7	MW-8
January	X	X	X	X	X	X	X	X	X
April	X	X	X	X	X	X	X	X	X
July	X	X	X	X	X	X	X	X	X
October	X	X	X	X	X	X	X	X	X

Groundwater		Monitoring Well ID							
Sampling Months		MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	
January	X	X	X	X	X	X	X	X	X
April	X	X	X	X	X	X	X	X	X
July	X	X	X	X	X	X	X	X	X
October	X	X	X	X	X	X	X	X	X

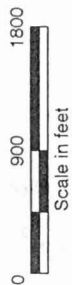
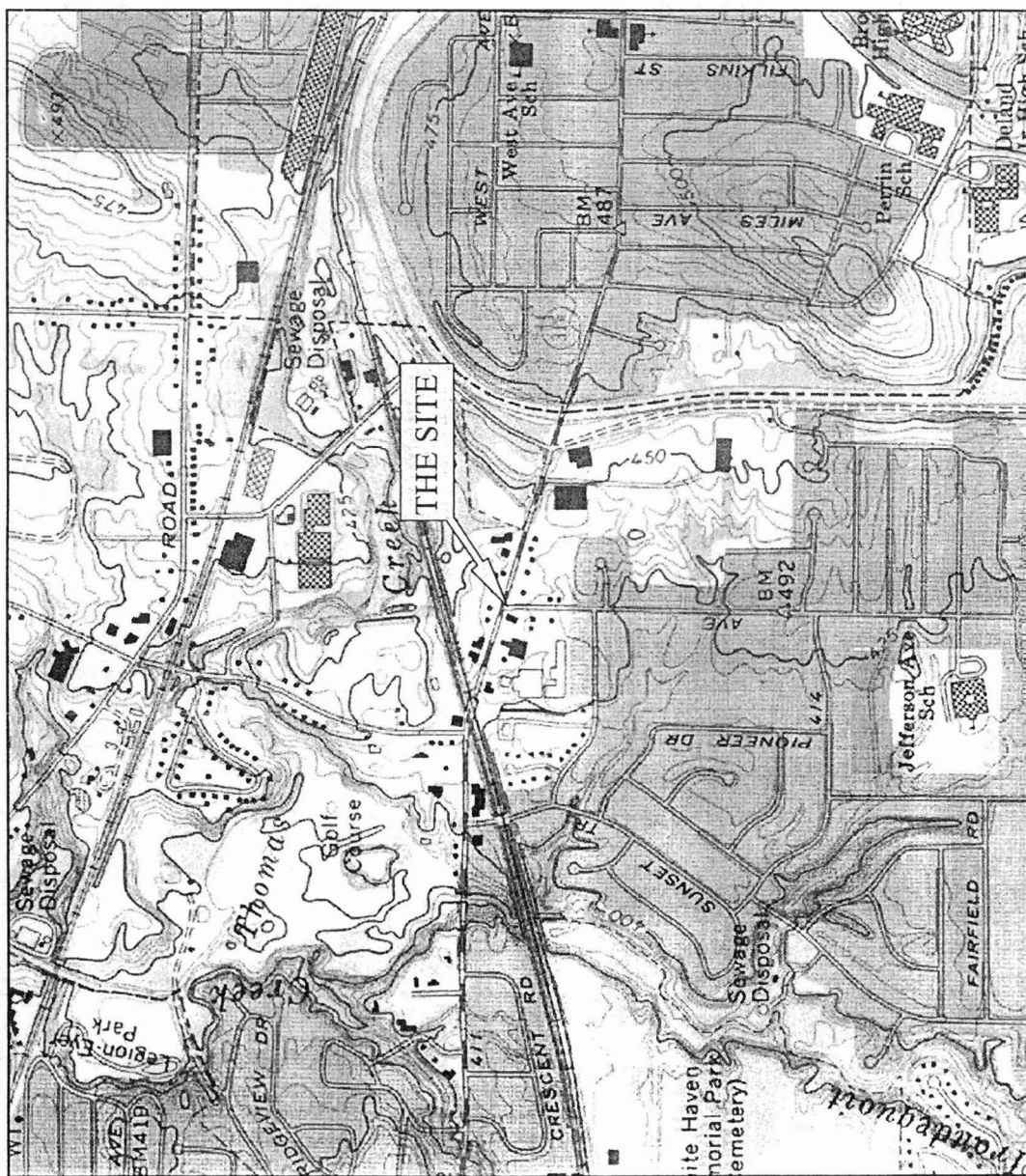
NOTES:

All wells sampled EPA 602: BTEX, MTBE & Naphthalene;

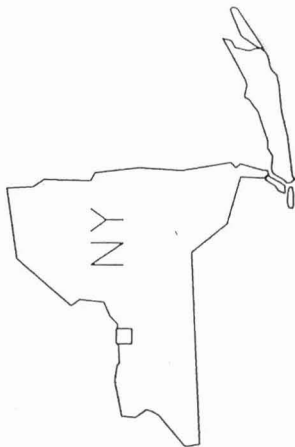
Quarterly Hydrogeologic Status Reports submitted in March, June, September, and December.

X - Denotes well sampled

FIGURES



LATITUDE: 43°06'04" N
LONGITUDE: 77°27'44" W



QUADRANGLE LOCATION

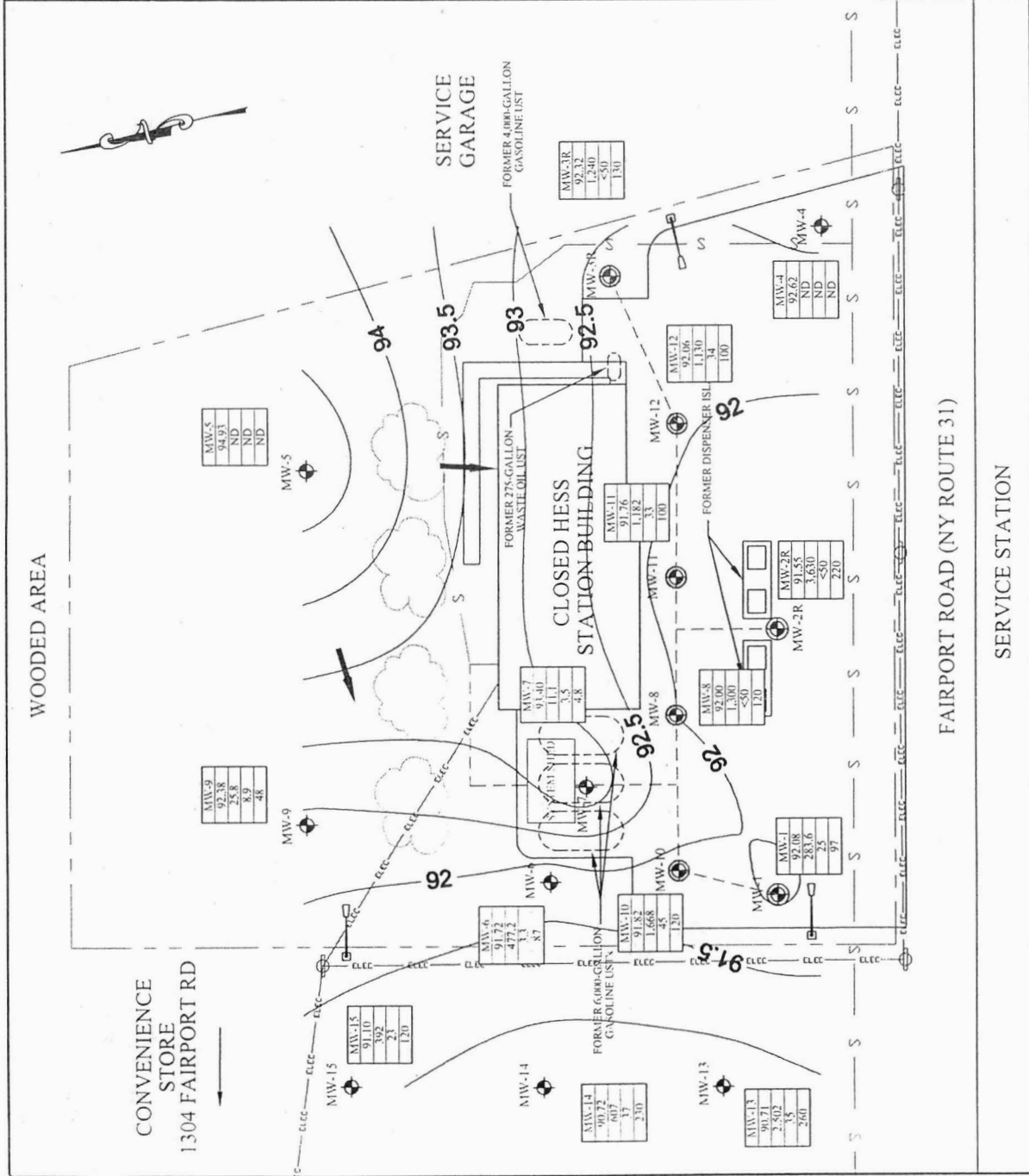
FIGURE 1 LOCUS PLAN

CLOSED HESS STATION No. 32458
1314 FAIRPORT ROAD
FAIRPORT, NEW YORK

DRAWN BY:	JG	SCALE:	1" = 900'
REVISED BY:		PROJECT NUMBER:	0201708AA
CHECKED BY:		SOURCE:	USGS 7.5' Topographic Map.
DATE:	FEBRUARY 12, 2002		NY Quad.

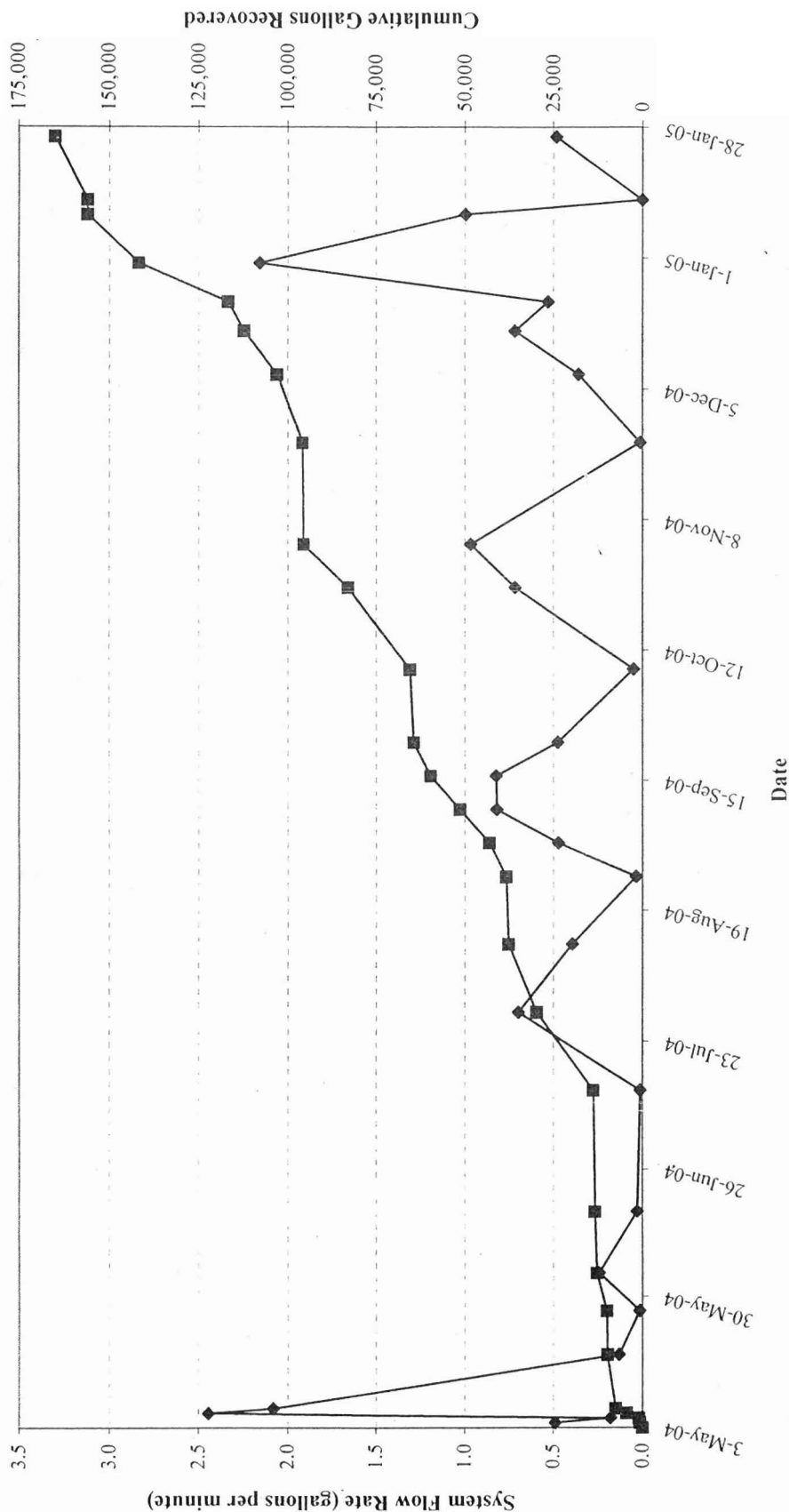
GEOLOGIC SERVICES CORPORATION
Hydrogeologists and Environmental Scientists

484 Temple Hill Rd., Suite 100 New Windsor, NY 12553 (845)561-9890



Flow Rate

Closed Hess Station No. 32458
1314 Fairport Road
Fairport, New York



Where:

Flow Rate = System flow Rate (gallons per minute)

Q = Flow (gallons)

Flow is measured with a totalizing flow meter.

$$FlowRate = \frac{Q}{Days \times 1440}$$

Figure 4
Groundwater Extraction and Treatment System Influent Concentration

Closed Hess Station No. 32458
1314 Fairport Road
Fairport, New York

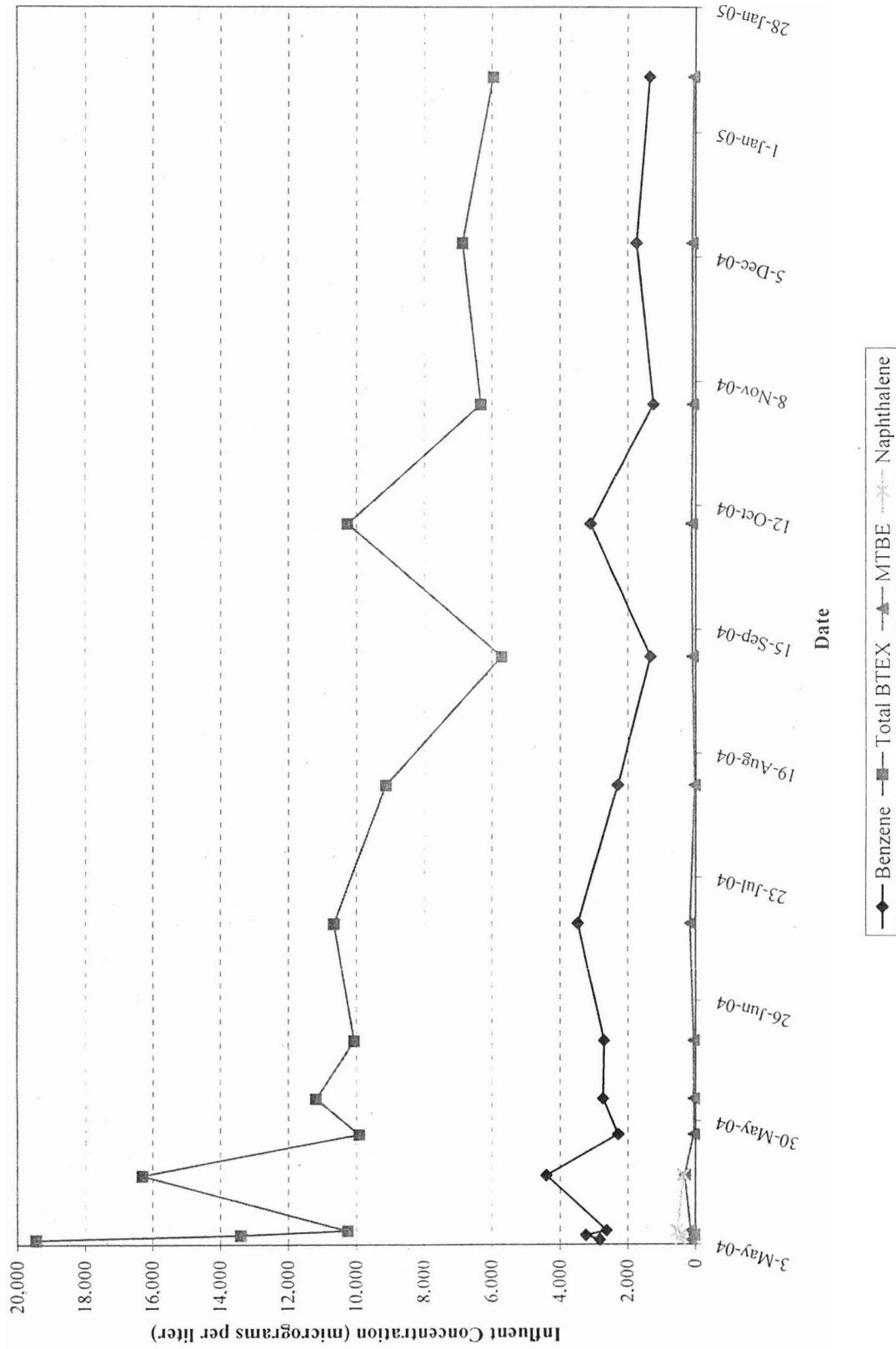
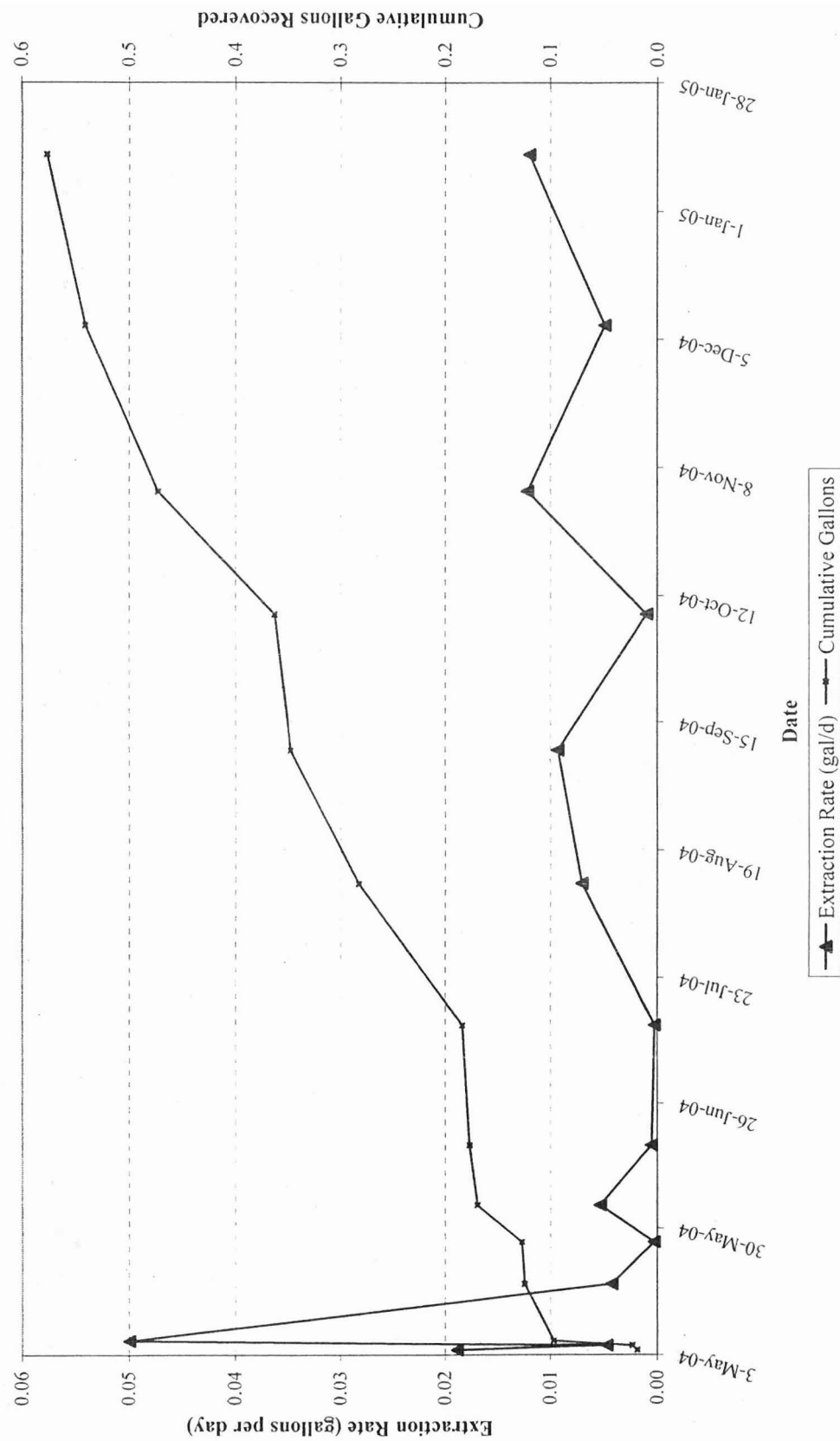


Figure 5
Groundwater Extraction and Treatment System Mass Removal

Closed Hess Station No. 32458
1314 Fairport Road
Fairport, New York



Where:

Removal Rate = Gallons per day

C = concentration (micrograms per liter)

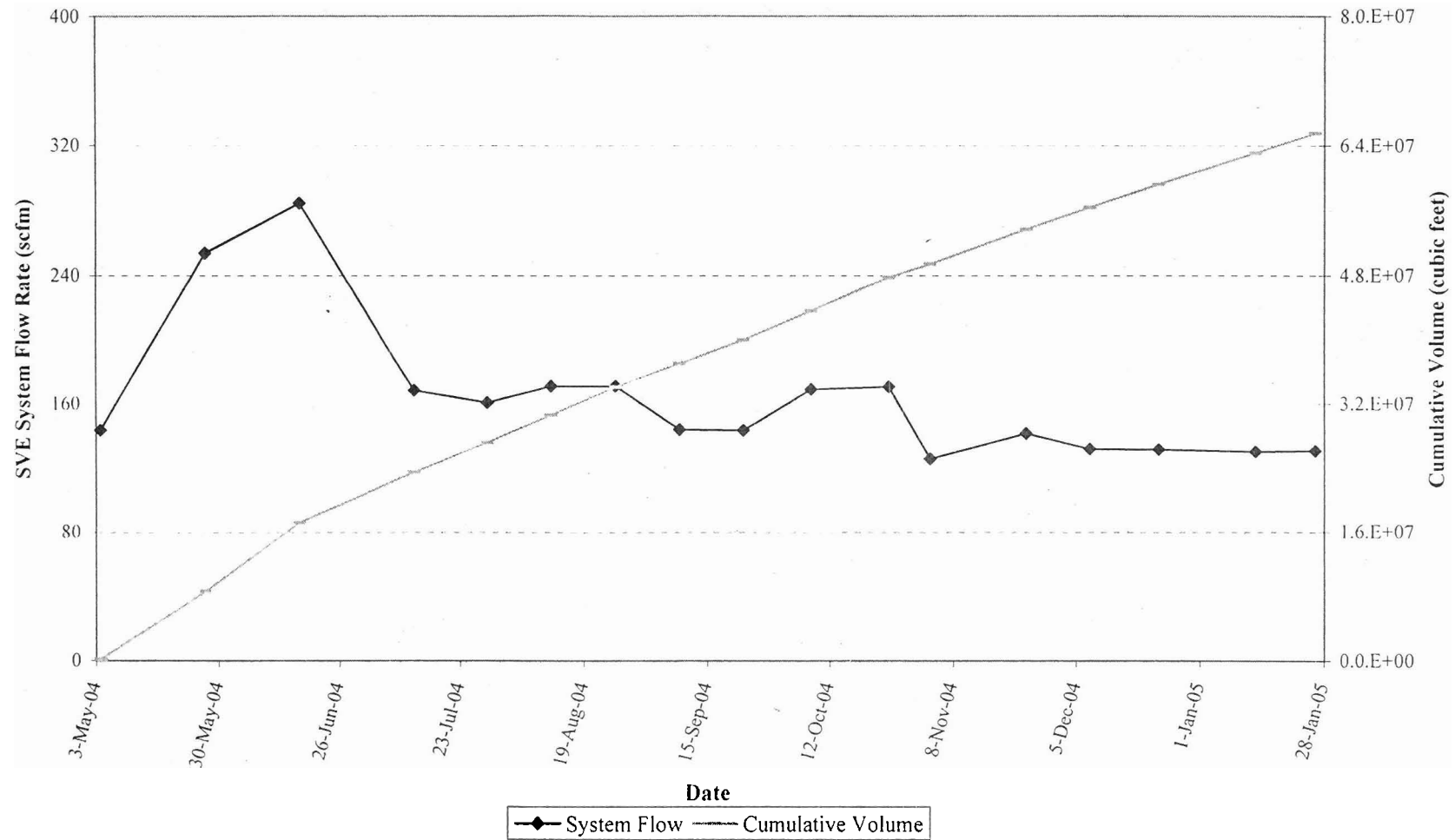
V = volume (gallons)

days = number of days in the monitoring period

$$ExtractionRate = \frac{C \times 3.78 \times V \times 10^{-6} \times \left(\frac{1}{453.59} \right)}{(6.1) \times days}$$

Figure 6
Soil Vapor Extraction System Flow Rate

Closed Hess Station No. 32458
1314 Fairport Road
Fairport, New York



$$Q = 128.8 \times K \times D^2 \times \sqrt{\frac{P \times \Delta P}{T + 460}}$$

$$\text{CumulativeVolume}(\text{ft}^3 / \text{min}) = Q \times \text{OperatingHours}$$

Where:

Q = flow (scfm)

K = Flow coefficient

D = pipe diameter (inches)

P = pressure (inches of water)

T = temperature (F)

Figure 7
Soil Vapor Extraction System Influent Vapor Concentration

Closed Hess Station No. 32458
1314 Fairport Road
Fairport, New York

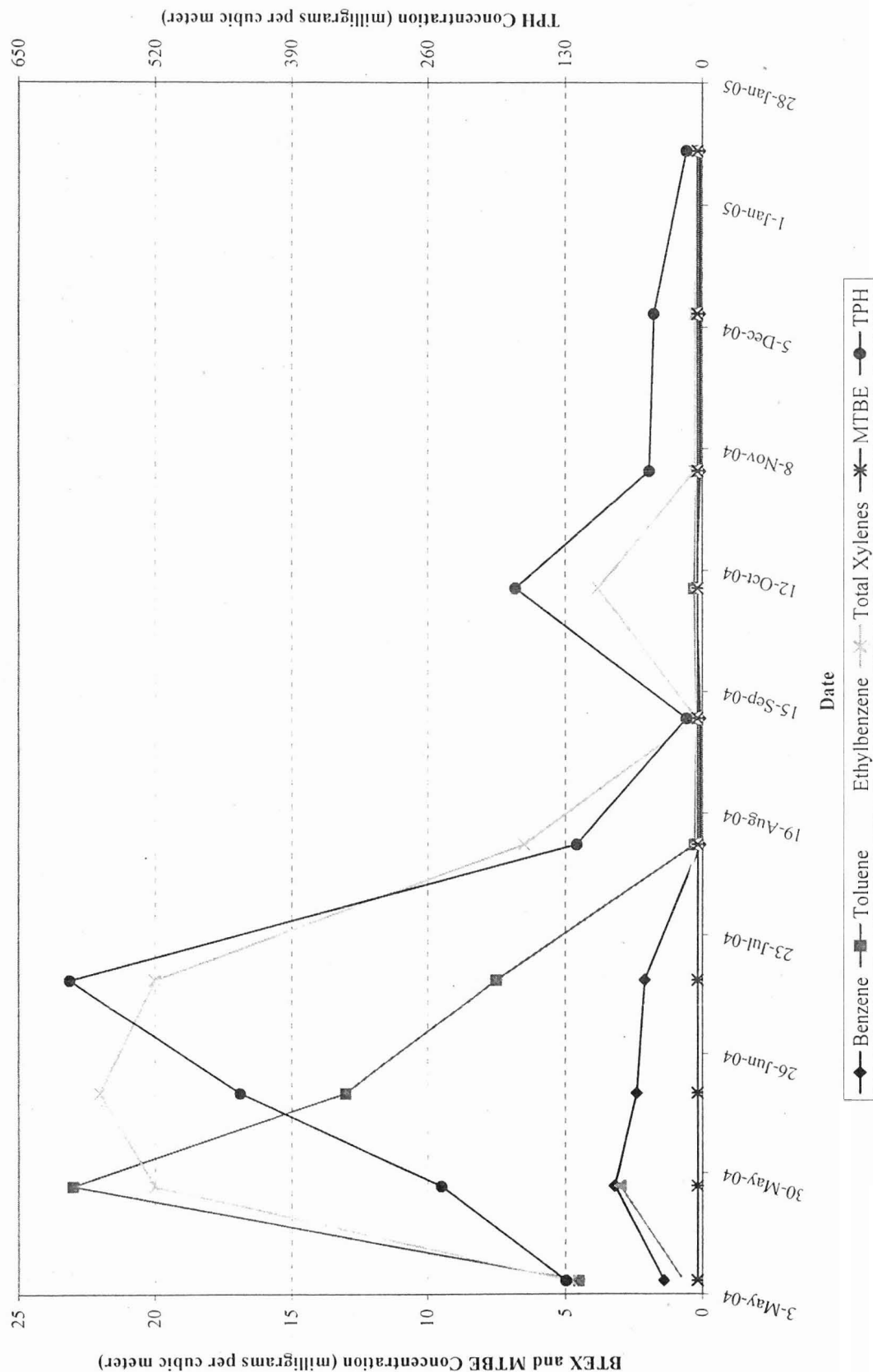
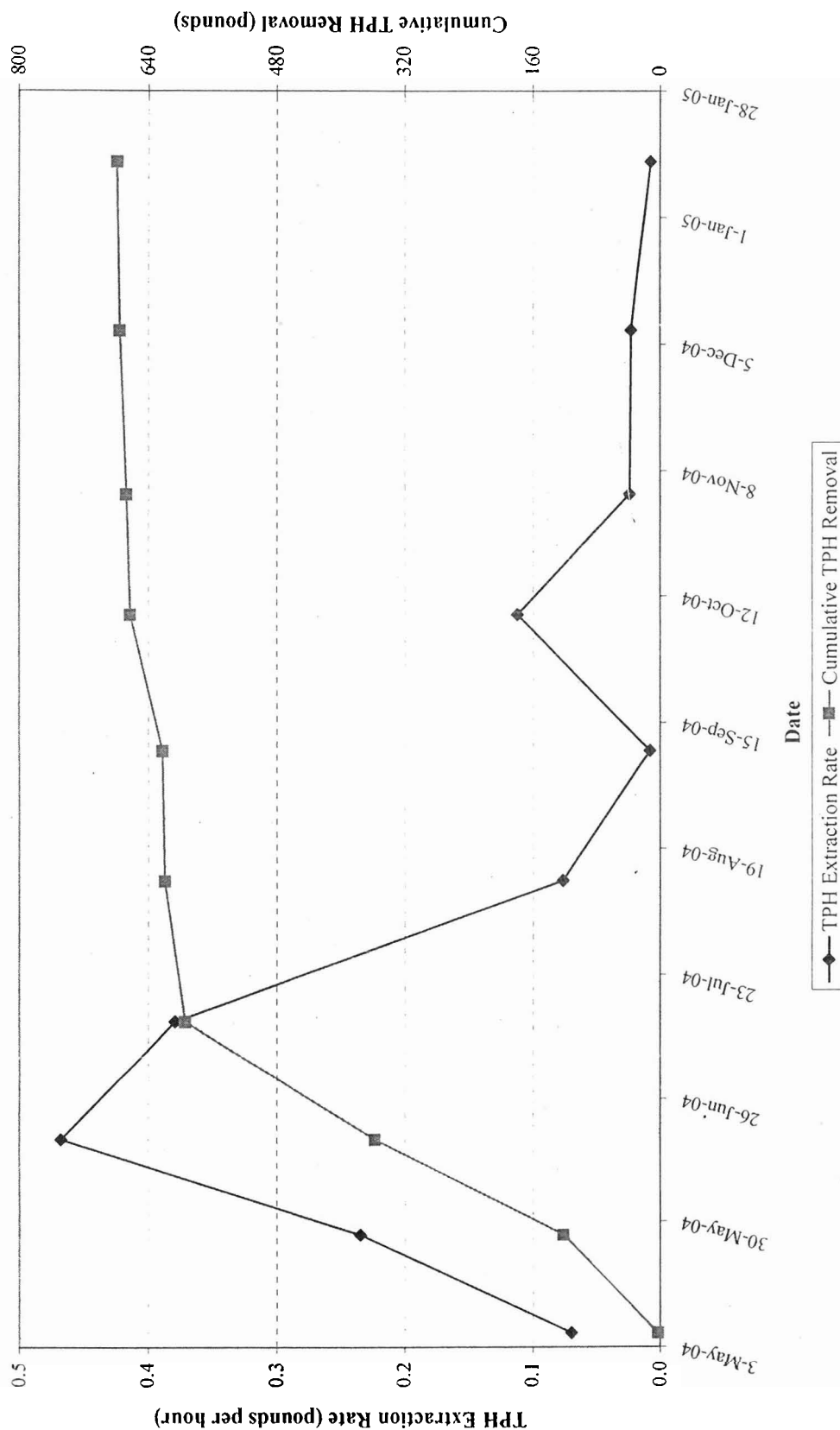


Figure 8
Soil Vapor Extraction System Mass Removal

Closed Hess Station No. 32458
1314 Fairport Road
Fairport, New York



Where:

VOC = VOC extraction rate
(pounds per hour)

C = concentration (mg/m³)

Q = Flow (cfm)

$$VOC = Q \times C \times 0.000003746$$

APPENDIX A

Laboratory Sample Analytical Report and Chain of Custody

TOXIKON CORPORATION
15 WIGGINS AVENUE
BEDFORD, MA 01730
TEL: (781) 275-3330

RECEIVED
FEB 08 2005

January 20, 2005

Patrick Storz
SHAW E&I
367 AMERICAN OIL ROAD
RENSSELAER, NY, 12144
TEL: 518-462-8202
FAX 518-436-7882

RE: AHC 32458 - Fairport

Order No.: 0501117

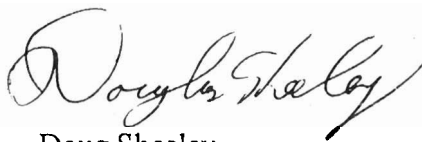
Dear Patrick Storz:

Toxikon received 15 samples on 1/18/2005 for the analyses presented in the following report.

Unless noted in the report, there were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

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

Sincerely,



Doug Sheeley

Certifications: MA: MA 064, NH: 204099D and 204099E, ME: MA064, RI: 55, VT: MA064, TN: MA064
NY: 10778, FL: E87143 and 87394, NC: 286, PA 68-461, CT: PH 0563, NJ: 59538, MD:

Toxikon

Date: 20-Jan-05

CLIENT: SHAW E&I
Project: AHC 32458 - Fairport
Lab Order: 0501117

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0501117-01A	MW - 4		1/12/2005 3:56:00 PM	1/18/2005
0501117-02A	MW - 5		1/12/2005 3:39:00 PM	1/18/2005
0501117-03A	MW - 7		1/12/2005 4:20:00 PM	1/18/2005
0501117-04A	MW - 6		1/12/2005 4:27:00 PM	1/18/2005
0501117-05A	MW - 1		1/12/2005 3:46:00 PM	1/18/2005
0501117-06A	MW - 3R		1/12/2005 4:35:00 PM	1/18/2005
0501117-07A	MW - 8		1/12/2005 4:42:00 PM	1/18/2005
0501117-08A	MW - 2R		1/12/2005 4:02:00 PM	1/18/2005
0501117-09A	MW - 9		1/12/2005 3:30:00 PM	1/18/2005
0501117-10A	MW - 10		1/12/2005 4:51:00 PM	1/18/2005
0501117-11A	MW - 11		1/12/2005 4:54:00 PM	1/18/2005
0501117-12A	MW - 12		1/12/2005 5:01:00 PM	1/18/2005
0501117-13A	MW - 13		1/12/2005 3:09:00 PM	1/18/2005
0501117-14A	MW - 14		1/12/2005 3:15:00 PM	1/18/2005
0501117-15A	MW - 15		1/12/2005 3:20:00 PM	1/18/2005

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 4
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 3:56:00 PM
Lab ID:	0501117-01A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: EPC
Benzene	ND	0.70		µg/L	1	1/19/2005 6:15:00 AM
Ethylbenzene	ND	1.0		µg/L	1	1/19/2005 6:15:00 AM
m,p-Xylene	ND	1.0		µg/L	1	1/19/2005 6:15:00 AM
Methyl tert-butyl ether	ND	1.0		µg/L	1	1/19/2005 6:15:00 AM
Naphthalene	ND	1.0		µg/L	1	1/19/2005 6:15:00 AM
o-Xylene	ND	1.0		µg/L	1	1/19/2005 6:15:00 AM
Toluene	ND	1.0		µg/L	1	1/19/2005 6:15:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF - Dilution Factor
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 5
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 3:39:00 PM
Lab ID:	0501117-02A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: EPC
Benzene	ND	0.70		µg/L	1	1/19/2005 2:15:00 PM
Ethylbenzene	ND	1.0		µg/L	1	1/19/2005 2:15:00 PM
m,p-Xylene	ND	1.0		µg/L	1	1/19/2005 2:15:00 PM
Methyl tert-butyl ether	ND	1.0		µg/L	1	1/19/2005 2:15:00 PM
Naphthalene	ND	1.0		µg/L	1	1/19/2005 2:15:00 PM
o-Xylene	ND	1.0		µg/L	1	1/19/2005 2:15:00 PM
Toluene	ND	1.0		µg/L	1	1/19/2005 2:15:00 PM

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	DF -Dilution Factor	E - Value above quantitation range
	* - Value exceeds Maximum Contaminant Level	RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT: SHAW E&I
Lab Order: 0501117
Project: AHC 32458 - Fairport
Lab ID: 0501117-03A

Client Sample ID: MW - 7
Tag Number:
Collection Date: 1/12/2005 4:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	5.2	0.70		µg/L	1	1/19/2005 4:08:00 PM
Ethylbenzene	ND	1.0		µg/L	1	1/19/2005 4:08:00 PM
m,p-Xylene	3.1	1.0		µg/L	1	1/19/2005 4:08:00 PM
Methyl tert-butyl ether	3.5	1.0		µg/L	1	1/19/2005 4:08:00 PM
Naphthalene	4.8	1.0		µg/L	1	1/19/2005 4:08:00 PM
o-Xylene	2.8	1.0		µg/L	1	1/19/2005 4:08:00 PM
Toluene	ND	1.0		µg/L	1	1/19/2005 4:08:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF -Dilution Factor
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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 6
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 4:27:00 PM
Lab ID:	0501117-04A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: EPC
Benzene	20	0.70		µg/L	1	1/19/2005 7:30:00 PM
Ethylbenzene	120	1.0		µg/L	1	1/19/2005 7:30:00 PM
m,p-Xylene	300	1.0		µg/L	1	1/19/2005 7:30:00 PM
Methyl tert-butyl ether	3.3	1.0		µg/L	1	1/19/2005 7:30:00 PM
Naphthalene	87	1.0		µg/L	1	1/19/2005 7:30:00 PM
o-Xylene	33	1.0		µg/L	1	1/19/2005 7:30:00 PM
Toluene	4.2	1.0		µg/L	1	1/19/2005 7:30:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF -Dilution Factor
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 1
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 3:46:00 PM
Lab ID:	0501117-05A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	120	1.4		µg/L	2	1/19/2005 2:16:00 PM
Ethylbenzene	ND	2.0		µg/L	2	1/19/2005 2:16:00 PM
m,p-Xylene	110	2.0		µg/L	2	1/19/2005 2:16:00 PM
Methyl tert-butyl ether	25	2.0		µg/L	2	1/19/2005 2:16:00 PM
Naphthalene	97	2.0		µg/L	2	1/19/2005 2:16:00 PM
o-Xylene	51	2.0		µg/L	2	1/19/2005 2:16:00 PM
Toluene	2.6	2.0		µg/L	2	1/19/2005 2:16:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF - Dilution Factor
* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 3R
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 4:35:00 PM
Lab ID:	0501117-06A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: EPC
Benzene	250	35		µg/L	50	1/19/2005 8:42:00 AM
Ethylbenzene	ND	50		µg/L	50	1/19/2005 8:42:00 AM
m,p-Xylene	870	50		µg/L	50	1/19/2005 8:42:00 AM
Methyl tert-butyl ether	ND	50		µg/L	50	1/19/2005 8:42:00 AM
Naphthalene	130	50		µg/L	50	1/19/2005 8:42:00 AM
o-Xylene	120	50		µg/L	50	1/19/2005 8:42:00 AM
Toluene	ND	50		µg/L	50	1/19/2005 8:42:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF -Dilution Factor
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 8
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 4:42:00 PM
Lab ID:	0501117-07A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	280	35		µg/L	50	1/19/2005 9:19:00 AM
Ethylbenzene	ND	50		µg/L	50	1/19/2005 9:19:00 AM
m,p-Xylene	900	50		µg/L	50	1/19/2005 9:19:00 AM
Methyl tert-butyl ether	ND	50		µg/L	50	1/19/2005 9:19:00 AM
Naphthalene	120	50		µg/L	50	1/19/2005 9:19:00 AM
o-Xylene	120	50		µg/L	50	1/19/2005 9:19:00 AM
Toluene	ND	50		µg/L	50	1/19/2005 9:19:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF -Dilution Factor
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT: SHAW E&I
Lab Order: 0501117
Project: AHC 32458 - Fairport
Lab ID: 0501117-08A

Client Sample ID: MW - 2R
Tag Number:
Collection Date: 1/12/2005 4:02:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	130	35		µg/L	50	1/19/2005 8:05:00 AM
Ethylbenzene	ND	50		µg/L	50	1/19/2005 8:05:00 AM
m,p-Xylene	2200	50		µg/L	50	1/19/2005 8:05:00 AM
Methyl tert-butyl ether	ND	50		µg/L	50	1/19/2005 8:05:00 AM
Naphthalene	220	50		µg/L	50	1/19/2005 8:05:00 AM
o-Xylene	1300	50		µg/L	50	1/19/2005 8:05:00 AM
Toluene	ND	50		µg/L	50	1/19/2005 8:05:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF - Dilution Factor
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 9
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 3:30:00 PM
Lab ID:	0501117-09A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	ND	0.70		µg/L	1	1/19/2005 6:43:00 PM
Ethylbenzene	1.2	1.0		µg/L	1	1/19/2005 6:43:00 PM
m,p-Xylene	9.2	1.0		µg/L	1	1/19/2005 6:43:00 PM
Methyl tert-butyl ether	8.9	1.0		µg/L	1	1/19/2005 6:43:00 PM
Naphthalene	48	1.0		µg/L	1	1/19/2005 6:43:00 PM
o-Xylene	2.4	1.0		µg/L	1	1/19/2005 6:43:00 PM
Toluene	13	1.0		µg/L	1	1/19/2005 6:43:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF -Dilution Factor
* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 10
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 4:51:00 PM
Lab ID:	0501117-10A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: EPC
Benzene	370	1.4		µg/L	2	1/19/2005 1:01:00 PM
Ethylbenzene	310	2.0		µg/L	2	1/19/2005 1:01:00 PM
m,p-Xylene	830	2.0		µg/L	2	1/19/2005 1:01:00 PM
Methyl tert-butyl ether	45	2.0		µg/L	2	1/19/2005 1:01:00 PM
Naphthalene	120	2.0		µg/L	2	1/19/2005 1:01:00 PM
o-Xylene	110	2.0		µg/L	2	1/19/2005 1:01:00 PM
Toluene	48	2.0		µg/L	2	1/19/2005 1:01:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF -Dilution Factor
* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT: SHAW E&I
Lab Order: 0501117
Project: AHC 32458 - Fairport
Lab ID: 0501117-11A

Client Sample ID: MW - 11
Tag Number:
Collection Date: 1/12/2005 4:54:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	260	3.5		µg/L	5	1/19/2005 12:24:00 PM
Ethylbenzene	ND	5.0		µg/L	5	1/19/2005 12:24:00 PM
m,p-Xylene	810	5.0		µg/L	5	1/19/2005 12:24:00 PM
Methyl tert-butyl ether	33	5.0		µg/L	5	1/19/2005 12:24:00 PM
Naphthalene	100	5.0		µg/L	5	1/19/2005 12:24:00 PM
o-Xylene	100	5.0		µg/L	5	1/19/2005 12:24:00 PM
Toluene	12	5.0		µg/L	5	1/19/2005 12:24:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF -Dilution Factor
* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT: SHAW E&I
Lab Order: 0501117
Project: AHC 32458 - Fairport
Lab ID: 0501117-12A

Client Sample ID: MW - 12
Tag Number:
Collection Date: 1/12/2005 5:01:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	250	18		µg/L	25	1/19/2005 11:10:00 AM
Ethylbenzene	ND	25		µg/L	25	1/19/2005 11:10:00 AM
m,p-Xylene	780	25		µg/L	25	1/19/2005 11:10:00 AM
Methyl tert-butyl ether	34	25		µg/L	25	1/19/2005 11:10:00 AM
Naphthalene	100	25		µg/L	25	1/19/2005 11:10:00 AM
o-Xylene	100	25		µg/L	25	1/19/2005 11:10:00 AM
Toluene	ND	25		µg/L	25	1/19/2005 11:10:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF - Dilution Factor
* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT: SHAW E&I
Lab Order: 0501117
Project: AHC 32458 - Fairport
Lab ID: 0501117-13A

Client Sample ID: MW - 13
Tag Number:
Collection Date: 1/12/2005 3:09:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: EPC
Benzene	110	14		µg/L	20	1/19/2005 11:47:00 AM
Ethylbenzene	1100	20		µg/L	20	1/19/2005 11:47:00 AM
m,p-Xylene	1200	20		µg/L	20	1/19/2005 11:47:00 AM
Methyl tert-butyl ether	35	20		µg/L	20	1/19/2005 11:47:00 AM
Naphthalene	260	20		µg/L	20	1/19/2005 11:47:00 AM
o-Xylene	71	20		µg/L	20	1/19/2005 11:47:00 AM
Toluene	21	20		µg/L	20	1/19/2005 11:47:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT:	SHAW E&I	Client Sample ID:	MW - 14
Lab Order:	0501117	Tag Number:	
Project:	AHC 32458 - Fairport	Collection Date:	1/12/2005 3:15:00 PM
Lab ID:	0501117-14A	Matrix:	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: EPC
Benzene	40	0.70		µg/L	1	1/19/2005 5:56:00 PM
Ethylbenzene	140	1.0		µg/L	1	1/19/2005 5:56:00 PM
m,p-Xylene	370	1.0		µg/L	1	1/19/2005 5:56:00 PM
Methyl tert-butyl ether	37	1.0		µg/L	1	1/19/2005 5:56:00 PM
Naphthalene	230	1.0		µg/L	1	1/19/2005 5:56:00 PM
o-Xylene	46	1.0		µg/L	1	1/19/2005 5:56:00 PM
Toluene	11	1.0		µg/L	1	1/19/2005 5:56:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
DF - Dilution Factor
* - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Toxikon

Date: 20-Jan-05

CLIENT: SHAW E&I
Lab Order: 0501117
Project: AHC 32458 - Fairport
Lab ID: 0501117-15A

Client Sample ID: MW - 15
Tag Number:
Collection Date: 1/12/2005 3:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: EPC
Benzene	ND	0.70		µg/L	1	1/19/2005 5:10:00 PM
Ethylbenzene	380	1.0		µg/L	1	1/19/2005 5:10:00 PM
m,p-Xylene	ND	1.0		µg/L	1	1/19/2005 5:10:00 PM
Methyl tert-butyl ether	23	1.0		µg/L	1	1/19/2005 5:10:00 PM
Naphthalene	120	1.0		µg/L	1	1/19/2005 5:10:00 PM
o-Xylene	ND	1.0		µg/L	1	1/19/2005 5:10:00 PM
Toluene	12	1.0		µg/L	1	1/19/2005 5:10:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
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* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
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E - Value above quantitation range
RL - Reporting Limit



15 Wiggins Ave., Bedford, MA 01730
Telephone: (781) 275-3330
Fax: (781) 275-7478

CHAIN OF CUSTODY RECORD

WORK ORDER #: 05-01-117

DUE DATE: 01-25-05

COMPANY: Shaw Est

ADDRESS: 367 American Oil Rd.

Brookline, MA 02144

PHONE #: (617) 462-3303 FAX #: (617) 462-3303

P.O. #:

PROJECT MANAGER: J. Shaw

PROJECT ID/LOCATION: 0453 Fairport

ANALYSES

SAMPLE TYPE CONTAINER TYPE

1. WASTEWATER P - PLASTIC

2. SOIL G - GLASS

3. SLUDGE V - VOA

4. OIL

5. DRINKING WATER

6. WATER (GW/MW/SW)

7. OTHER (SPECIFY)

PRESERVATIVE

SPECI
INSTRUCTION
COMMENT

TOXIKON #	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER SIZE	CONTAINER TYPE	#	SAMPLING DATE	TIME	PRESERVATIVE	ANALYSES	SPECI INSTRUCTION COMMENT
1	MW-4	GW	1	V	2	11/15/04	1556	HCl		
2	MW-5						1529			
3	MW-7						1620			
4	MW-6						1637			
5	MW-1						1546			
6	MW-2R						1635			
7	MW-8						1642			
8	MW-2R						1602			
9	MW-9						1530			
10	MW-10						1651			
11	MW-11						1654			
12	MW-12						1701			
13	MW-13						1509			

QUOTATION #:

DATE: 1-12-05

TIME: 1515

SAMPLED BY: R. Adams

RELINQUISHED BY: R. Adams

DATE: 1-17-05

RECEIVED BY:

DATE:

TIME:

RELINQUISHED BY: EAST, Conn.

DATE: 01-18-05

RECEIVED FOR LAB BY: J. Shaw

DATE: 01-18-05

TIME: 09:00

METHOD OF SHIPMENT: F.C.

DATE: 01-18-05

COOLER TEMPERATURE: 4.02

☐ RUSH BUSINESS DAY TURN AROUND

☒ ROUTINE ANALYSIS

Sample disposal information

Are there any other known or suspected contaminants in these samples other than those listed above?

Yes ☐ No ☒ If Yes, 1st Known



Fax: (781) 275-7478

DUE DATE : 01-25-01

COMPANY: <u>Shaw E-I</u>		ADDRESS: <u>31 Adams</u>		PHONE #: () <u>212</u> FAX #: () <u>212</u>		P.O. #: _____		PROJECT MANAGER: _____		PROJECT ID/LOCATION: _____		SAMPLE TYPE 1. WASTEWATER 2. SOIL 3. SLUDGE 4. OIL 5. DRINKING WATER 6. WATER (GW/MW/SW) 7. OTHER (SPECIFY)		CONTAINER TYPE P - PLASTIC G - GLASS V - VOA		ANALYSES											
TOXIKON #		SAMPLE IDENTIFICATION		SAMPLE TYPE		CONTAINER SIZE TYPE #		SAMPLING DATE TIME		PRESERVATIVE		SPEC INSTRUCTION COMMEN															
(14)		MW-14		14		V 2		1/12/05 1515		HIC																	
(15)		MW-15		↓		↓ ↓ ↓		↓ 1520		↓																	
SAMPLED BY		DATE: 1-12-05		TIME: 1515		QUOTATION #		RECEIVED BY		DATE		TIME		RECEIVED FOR LAB BY		DATE		TIME		COOLER TEMPERATURE		METHOD OF SHIPMENT					
RELINQUISHED BY		DATE: 1-17-05		TIME: 1700		RECEIVED BY		DATE		TIME		RECEIVED FOR LAB BY		DATE		TIME		COOLER TEMPERATURE		METHOD OF SHIPMENT							
RELINQUISHED BY		DATE: 01-18-05		TIME: 09-00		RECEIVED BY		DATE		TIME		RECEIVED FOR LAB BY		DATE		TIME		COOLER TEMPERATURE		METHOD OF SHIPMENT							
METHOD OF SHIPMENT		DATE: 01-18-05		TIME: 09-00		RECEIVED BY		DATE		TIME		RECEIVED FOR LAB BY		DATE		TIME		COOLER TEMPERATURE		METHOD OF SHIPMENT							