

Release 3983
S. Seattle Auto Auction
Kent

May 7, 2003

Carrie McDougal
Toxics Cleanup Program
State of Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, Washington 98008-5452



Higgins and Associates, LLC

RE: South Seattle Auto Auction, 19443 77th Avenue South, Kent, Washington
Underground Storage Tank #2656

Dear Ms. McDougal:

South Seattle Auto Auction has retained Higgins & Associates, L.L.C. (Higgins) to respond to your letter dated April 14, 2003. Higgins has reviewed the latest data available on the site, i.e., the Annual 1999 Ground Water Sampling and Monitoring Report prepared by Enecotech Inc. dated January 25, 2000 (attached). Based on this review, Higgins agrees with the conclusions presented in this report. These conclusions include:

- Over the period of quarterly, semi-annual and annual ground water sampling, conducted from June 1994 through December 1999, BTEX, TPH-G and lead concentrations in ground water have been stable.
- The ground water gradient at the site is to the east.
- The ground water impacts are restricted to an area that is owned and operated by the South Seattle Auto Auction, used for auto parking and contain no potential receptors.
- As per the January 2000 report ground water monitoring was discontinued.

Therefore, in response to your request, no additional information is available on the subject site. Additionally, based on the same information outlined above, Higgins believes that No Further Action should be required for this site and we request a letter to this effect from you. If you wish to discuss these conclusions, please contact me at 303-708-9846.

Sincerely,

Jeffrey M. Citrone
Manager Assessments and Audits

RECEIVED

MAY 15 2003

DEPT OF ECOLOGY

ATTACHMENT A
ANNUAL 1999 GROUND WATER SAMPLING AND MONITORING REPORT

EnecoTech Inc.
1580 Lincoln Street • Suite 1000
Denver, Colorado 80203
(303) 861-2200 • Fax (303) 861-2201



FEB - 3 2000

January 25, 2000

0100672041

Mr. Joe Hickey
Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, Washington 98008-5452

RE: Annual 1999 Ground Water Sampling and Monitoring Report
South Seattle Auto Auction, Site #002656, 19443 77th Avenue South, Kent, Washington

Dear Mr. Hickey:

EnecoTech Inc. (EnecoTech) was requested by South Seattle Auto Auction (SSAA) to perform semi-annual ground water monitoring and sampling activities at the above-referenced facility. An annual sampling event was conducted at this site on December 20, 1999. The samples were collected from twelve monitoring wells, MW-1 through MW-12. This letter details the sampling and monitoring techniques employed and the results obtained.

Ground Water Sampling and Monitoring Report

Prior to sampling, static fluid levels were measured in all monitoring wells to within 0.01 feet from the surveyed point on the well casing using an ORS oil/water interface probe. Also prior to sampling, a minimum of three casing volumes of water were removed from each well or the well was bailed dry once. When adequate recharge into the wells had occurred following purging, the ground water samples from each monitoring well were obtained with a disposable bailer equipped with a bottom-loading valve assembly.

Analytical Program

The ground water samples were preserved with hydrochloric acid in two 40 milliliter (ml) vials with Teflon-lined lids. The sample containers were placed immediately on ice in an insulated cooler and delivered with a completed chain-of-custody form to Specialized Assays Environmental of Nashville, Tennessee for quantitative analysis. All samples were analyzed for the petroleum hydrocarbon compounds benzene, toluene, ethylbenzene and total xylenes (BTEX) using the Washington VPH Method, total petroleum hydrocarbons - gasoline range (TPHG) using the USEPA Method 8015M/5030 and total lead using USEPA Method 6010B.

Hydrogeology

The fluid level measurements were collected on December 20, 1999 and indicated the static water table depths at the site area ranged from 3.54 feet below the top of the well casing in MW-5 to 6.21 feet in MW-8. Free-phase petroleum hydrocarbons were not detected in any of the monitoring wells. Recent and historical fluid level measurements are provided in Attachment A - Table 1. A water table elevation contour map generated from the December 20, 1999 data is provided in Attachment B - Figure 1. As the figure indicates, the ground water flow direction is directed from west to east across the area of concern with a moderately low hydraulic gradient of approximately 0.012 feet/foot.



January 25, 2000
Page 2

Hydrogeology

The fluid level measurements were collected on December 20, 1999 and indicated the static water table depths at the site area ranged from 3.54 feet below the top of the well casing in MW-5 to 6.21 feet in MW-8. Free-phase petroleum hydrocarbons were not detected in any of the monitoring wells. Recent and historical fluid level measurements are provided in Attachment A - Table 1. A water table elevation contour map generated from the December 20, 1999 data is provided in Attachment B - Figure 1. As the figure indicates, the ground water flow direction is directed from west to east across the area of concern with a moderately low hydraulic gradient of approximately 0.012 feet/foot.

Ground Water Analytical Results

Analytical results for ground water samples collected on December 20, 1999 from monitoring wells MW-8 and MW-10 indicate that BTEX and TPHG were not present at levels above the method detection limits. BTEX and TPHG were detected in the remaining twelve (12) wells. Detected concentrations of benzene in ground water collected from these wells ranged from 0.0016 parts per million (ppm) in MW-4 to 32.25 ppm in MW-2. Detected toluene concentrations ranged from 0.0014 ppm (MW-4) to 23.20 ppm (MW-6). Detected ethylbenzene concentrations ranged from 0.0019 ppm (MW-4) to 4.25 ppm (MW-11). Detected xylenes concentrations ranged from 0.0047 ppm (MW-4) to 20.10 ppm (MW-11). Detected concentrations of TPHG ranged from 0.12 ppm (MW-9) to 164 ppm (MW-6). Total lead was detected in wells MW-5, MW-11 and MW-12 at concentrations of 0.005 ppm, 0.005 ppm and 0.004 ppm, respectively. The analytical results are presented with a summary of the historical ground water analytical results for the site in Attachment A - Table 2, with detected concentrations exceeding the State of Washington Method A cleanup standards shown in boldface. To illustrate the areal distribution of dissolved phase petroleum hydrocarbons in ground water, the analytical results have been plotted on the site map and are presented in Attachment B - Figure 2. Laboratory quality assurance/quality control procedures, analytical results and a copy of the completed chain-of-custody form for the ground water analyses are provided in Attachment C.

Conclusions

The analytical results obtained for this sampling event indicate concentrations of BTEX and TPH detected in site monitoring wells are comparable to those measured at this time last year. Ground water analytical results gathered at the site from June 1994 to date are summarized as follows:

- Over the period of quarterly sampling at the site, BTEX, TPH-G and lead concentrations in ground water have been fairly stable in the area of concern.
- The ground water gradient at the site is directed to the east in the area of concern and, consequently, no observable or measurable offsite migration of impacted ground water has been observed.

Based on the stable nature of the onsite plume, SSAA will discontinue site monitoring barring changes in the site status.

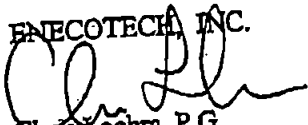


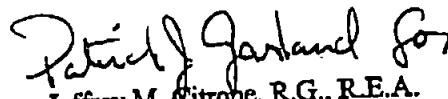
January 25, 2000
Page 3

If you have any questions or comments concerning this project, please do not hesitate to contact Chris Lochra of EnecoTech at (303) 861-2200 or Jeff Corigliano of SSAA at (206) 762-1600.

Sincerely,

ENECOTECH, INC.


Chris Lochra, P.G.
Project Scientist


Jeffrey M. Citrone, R.G., R.E.A.
Senior Geologist

CL/jrg

cc: Jeff Corigliano, South Seattle Auto Auction
Bob Gartin, Manheim Auctions
Cari Moore, Cox Enterprises

U:\EA\GARDNER\FINLSSAA.RPT



Recycled Paper



** TOTAL PAGE.04 **

ATTACHMENT A
TABLES



TABLE 1

FLUID LEVEL MEASUREMENTS

South Seattle Auto Auction
19443 77th Avenue South
Kent, Washington

Station ID	Date	Depth to PSH (ft)	Depth to Water (ft)	Total Depth (ft)	Top of Casing Elevation (ft)	Ground Water Elevation (ft)
MW-1	06/10/94	ND	6.5	18.54	22.94	16.4
	09/22/94	ND	8.56			14.38
	12/28/94	ND	4.89			18.05
	04/03/95	ND	4.98			17.96
	11/02/95	ND	6.56	18.54		16.38
	02/12/96	ND	4.41			18.53
	05/21/96	ND	4.15	18.52		18.79
	09/23/96	ND	6.59	18.05		16.35
	02/06/97	ND	3.95	18.54		18.99
	05/08/97	ND	3.80	18.99		19.14
	08/13/97	ND	6.13	18.32		16.81
	11/24/97	ND	5.71	19.4		17.23
	07/02/98	ND	7.00	18.9		15.94
	12/10/98	ND	4.85	17.70		18.09
	12/20/99	ND	4.87	17.70		18.07
MW-2	06/10/94	ND	7.3	18.19	23.72	16.4
	09/22/94	ND	NM ²			--
	12/28/94	ND	6.28			17.44
	04/03/95	ND	6.26			17.46
	11/02/95	ND	7.35			16.37
	02/12/96	ND	4.99	18.97		18.73
	05/21/96	ND	4.93	18.95		18.79
	09/23/96	ND	7.36	18.91		16.36
	02/06/97	ND	4.60	18.63		19.12
	05/08/97	4.54	4.64	19.16		19.08
	08/13/97	6.79	6.84	19.01		16.88
	11/24/97	ND	6.45	20.12		17.27
	07/02/98	ND	7.65	19.8		16.07
	12/10/98	ND	5.46	18.78		18.26
	12/20/99	ND	5.53	18.78	23.72	18.19
MW-3	06/10/94	ND	6.3	17.99	23.11	16.8
	09/22/94	ND	8.80			14.31

MAY 02 '03 08:49 FR RISK MANAGEMENT

404 843 5605 IU 81303/003040

F.03/42

Station ID	Date	Depth to PSH (ft)	Depth to Water (ft)	Total Depth (ft)	Top of Casing Elevation (ft)	Ground Water Elevation (ft)
	12/28/94	ND	4.80			18.31
	04/03/95	ND	4.86			18.25
	11/02/95	ND	6.63			16.48
	02/12/96	ND	4.77	18.71		18.34
	05/21/96	ND	4.21	18.40		18.90
	09/23/96	ND	6.64	18.75		16.47
	02/06/97	ND	4.10	18.11		19.01
	05/08/97	ND	3.99	18.85		19.12
	08/13/97	ND	6.28	18.80		16.83
	11/24/97	ND	5.60	20.60		17.51
	07/02/98	ND	7.15	19.8		15.96
	12/10/98	ND	4.91	18.71		18.2
	12/20/99	ND	4.93	18.71		18.18
MW-4	06/10/94	ND	7.1	19.00	23.68	16.6
	09/22/94	ND	9.23			14.45
	12/28/94	ND	5.02			18.68
	04/03/95	ND	5.30			18.38
	11/02/95	ND	6.83			16.85
	02/12/96	ND	4.49	18.63		19.19
	05/21/96	NM	NM	NM		NM
	09/23/96	ND	6.95	18.65		16.73
	02/06/97	ND	4.35	18.97		19.33
	05/08/97	ND	4.40	19.25		19.28
	08/13/97	ND	6.70	19.20		16.98
	11/24/97	ND	5.38	19.50		18.30
	07/02/98	ND	7.45	20.25		16.23
	12/10/98	ND	4.91	18.97		18.77
	12/20/99	ND	5.19	18.97		18.49
MW-5	06/10/94	ND	6.9	NM	23.18	16.3
	09/22/94	ND	9.06			14.12
	12/28/94	ND	3.50			19.68
	04/03/95	ND	4.50			18.68
	11/02/95	WNF ¹	WNF			—
	02/12/96	ND	3.34	17.41		19.84
	05/21/96	ND	3.32	17.41		19.86
	09/23/96	ND	5.57	17.24		17.61
	02/06/97	ND	3.70	17.41		19.48
	05/08/97	ND	3.45	17.85		19.73
	08/13/97	ND	6.29	17.76		16.89
	11/24/97	ND	4.36	19.60		18.82

Station ID	Date	Depth to PSH (ft)	Depth to Water (ft)	Total Depth (ft)	Top of Casing Elevation (ft)	Ground Water Elevation (ft)
	07/02/98	ND	5.8	17.85		17.38
	12/10/98	ND	3.54	17.89		19.64
	12/20/99	ND	4.09	17.89		19.09
MW-6	06/10/94	ND	7.6	18.39	23.79	16.2
	09/22/94	ND	9.72			14.07
	12/28/94	ND	5.32			18.47
	04/03/95	ND	5.78			18.01
	11/02/95	ND	7.15			16.64
	02/12/96	ND	4.98	18.49		18.81
	05/21/96	ND	4.86	18.49		18.93
	09/23/96	7.39	7.45	18.47		16.34
	02/06/97	ND	4.80	18.49		18.99
	05/08/97	4.63	4.635	18.60		19.16
	08/13/97	6.86	7.00	18.64		16.79
	11/24/97	ND	6.40	19.21		17.39
	07/02/98	ND	7.7	18.75		16.09
	12/10/98	ND	5.24	18.65		18.55
	12/20/99	ND	5.39	18.65		18.40
MW-7	06/10/94	ND	7.3	19.70	23.77	16.5
	09/22/94	ND	9.16			14.61
	12/28/94	ND	5.86			17.91
	04/03/95	ND	6.00			17.77
	11/02/95	ND	7.53			16.24
	02/12/96	ND	4.98	19.91		18.79
	05/21/96	ND	4.49	19.90		19.28
	09/23/96	ND	7.53	19.94		16.24
	02/06/97	ND	4.80	19.91		18.97
	05/08/97	4.62	4.625	20.06		19.15
	08/13/97	ND	6.97	20.10		16.8
	11/24/97	ND	6.81	19.93		16.96
	07/02/98	ND	8.75	20.00		15.02
	12/10/98	ND	5.88	20.02		17.89
	12/20/99	ND	5.83	20.02		17.94
MW-8	06/10/94	ND	7.1	18.48	23.73	16.6
	09/22/94	ND	8.96			14.77
	12/28/94	ND	6.30			17.43
	04/03/95	ND	5.72			18.01
	11/02/95	ND	7.68			16.05

Station ID	Date	Depth to PSH (ft)	Depth to Water (ft)	Total Depth (ft)	Top of Casing Elevation (ft)	Ground Water Elevation (ft)
	02/12/96	ND	4.94	18.84		18.79
	05/21/96	ND	5.35	18.84		18.38
	09/23/96	ND	8.13	18.64		15.60
	02/06/97	ND	4.60	18.84		19.13
	05/08/97	ND	4.63	18.59		19.10
	08/13/97	ND	6.98	18.51		16.75
	11/24/97	ND	6.65	19.20		17.08
	07/02/98	ND	8.0	19.35		15.73
	12/10/98	ND	6.21	18.49		17.52
	12/20/99	ND	6.08	18.49		17.65
MW-9	06/10/94	ND	6.2	18.66	22.52	16.3
	09/22/94	ND	8.17			14.35
	12/28/94	ND	5.18			17.34
	04/03/95	ND	4.81			17.71
	11/02/95	ND	6.64			15.88
	02/12/96	ND	3.95	18.95		18.57
	05/21/96	ND	3.92	18.90		18.60
	09/23/96	ND	6.52	18.77		16.00
	02/06/97	WNF	WNF	WNF		WNF
	03/08/97	WNF	WNF	WNF		WNF
	08/13/97	ND	5.96	18.96		16.56
	11/24/97	ND	5.55	20.3		16.97
	07/02/98	ND	5.85	19.9		16.67
	12/10/98	ND	5.00	18.71		17.52
	12/20/99	ND	4.80	18.71		17.72
MW-10	06/10/94	ND	6.5	17.45	23.12	16.6
	09/22/94	ND	8.50			14.62
	12/28/94	ND	4.44			18.68
	04/03/95	ND	4.70			18.42
	11/02/95	ND	6.09			17.03
	02/12/96	ND	3.74	17.41		19.38
	05/21/96	ND	3.75	17.41		19.37
	09/23/96	ND	6.20	17.48		16.92
	02/06/97	ND	3.95	17.41		19.17
	05/08/97	ND	3.64	17.65		19.48
	08/13/97	ND	6.76	17.65		16.36
	11/24/97	ND	5.24	18.60		17.88
	07/02/98	ND	6.15	17.25		16.97
	12/10/98	ND	4.33	17.38		18.79
	12/20/99	ND	4.50	17.38		18.62

Station ID	Date	Depth to PSH (ft)	Depth to Water (ft)	Total Depth (ft)	Top of Casing Elevation (ft)	Ground Water Elevation (ft)
MW-11	11/02/95	ND	7.00	15.09	-	-
	02/12/96	ND	4.75	15.05	-	-
	05/21/96	ND	4.70	15.03	-	-
	09/23/96	ND	7.03	15.03	-	-
	02/06/97	ND	4.55	15.05	-	-
	05/08/97	ND	5.19	15.02	-	-
	08/13/97	ND	6.62	14.98	-	-
	11/24/97	ND	5.88	14.42	-	-
	07/02/98	ND	7.45	16.9	-	-
	12/10/98	ND	5.06	15.10	-	-
	12/20/99	ND	5.12	15.10	-	-
MW-12	11/02/95	ND	7.09	14.94	-	-
	02/12/96	ND	4.37	14.78	-	-
	05/21/96	ND	4.60	14.78	-	-
	09/23/96	ND	7.08	14.76	-	-
	02/06/97	ND	4.65	14.78	-	-
	05/08/97	ND	4.30	4.31	-	-
	08/13/97	ND	6.55	14.70	-	-
	11/24/97	ND	6.10	14.27	-	-
	07/02/98	ND	7.4	15.7	-	-
	12/10/99	ND	5.37	15.03	-	-
PR	11/02/95	ND	5.24	8.10	-	-
	02/12/96	NM	NM	NM	-	-
	09/23/96	NM	NM	NM	-	-
	02/06/97	NM	NM	NM	-	-
	05/08/97	NM	NM	NM	-	-
	08/13/97	NM	NM	NM	-	-
	11/24/97	NM	NM	NM	-	-

¹ WNF = well not found² NM = not measured

Note: Fluid level measurements before 11/02/95 were performed by Professional Service Industries Inc.

U:\DOCS\VOBS\AMMANHEIM\067204\HSS\AF198.TBL

TABLE 2
GROUND WATER ANALYTICAL RESULTS

South Seattle Auto Auction
19443 77th Avenue South
Kent, Washington

Station ID ¹	Date	Benzene (ppm) ¹	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	TPHC ¹ (ppm)	Pb (ppm)
MW-1	06/10/94	0.540	<0.125	<0.0125	0.240	2	0.009
	09/22/94	0.360	<0.002	<0.002	0.084	0.5	0.024
	12/28/94	0.550	<0.005	<0.005	0.310	2.9	0.005
	04/03/95 ⁴	0.610	<0.0125	<0.0125	0.320	3.2	<0.001
	11/02/95	1.48	<0.001	0.005	0.194	6.44	<0.003
	02/13/96	0.990	0.001	0.017	0.636	3.38	<0.003
	05/21/96	1.35	<0.001	0.009	0.585	4.35	0.010
	09/26/96	1.06	0.003	0.007	0.410	3.92	0.026
	02/07/97	0.001	0.002	<0.001	0.015	<0.10	0.0070
	05/08/97	0.003	<0.001	<0.001	0.010	<0.10	0.0070
	08/19/97	0.0623	<0.001	0.0038	0.1404	1.23	0.0090
	11/25/97	0.0440	0.0010	0.0010	0.1912	0.64	<0.003
	07/03/98	<0.0010	0.0040	<0.001	0.0620	0.12	<0.003
	12/11/98	<0.001	<0.001	<0.001	0.1	0.06519	<0.003
MW-2	06/10/94	21.0	16.0	1.8	9.1	120	0.002
	09/22/94	4.2	0.220	0.130	0.510	4	0.013
	12/28/94	39.0	16.0	2.5	12.0	250	0.005
	04/03/95	29.0	12.0	1.6	8.3	170	<0.001
	11/02/95	16.0	0.900	1.08	5.22	54.0	<0.003
	02/13/96	31.5	20.7	2.12	10.6	146	<0.003
	05/21/96	23.0	1.80	3.60	14.8	169	<0.003
	09/26/96	15.8	1.35	0.90	4.95	72.4	0.022
	02/07/97	41.4	50.4	4.50	24.3	354.0	0.0070
	05/09/97	36.9	23.76	2.88	14.4	157	<0.0030
	08/19/97	25.65	16.93	2.681	12.20	133	0.0050
	11/25/97	31.02	27.32	2.6	18.53	167	<0.003
	07/03/98	14.70	3.76	3.05	11.60	69.5	<0.003
	12/11/98	0.0499	0.0663	0.0081	0.0491	1.0963	<0.003
MW-3	06/10/94	0.500	0.26	0.63	2.2	18	0.007
	09/22/94	2.7	<0.050	0.310	1.1	6.3	0.025
	12/28/94	4.8	<0.050	0.840	3.4	130	0.007
	04/03/95	2.3	0.044	0.610	2.6	18	<0.001
	11/02/95	5.22	<0.001	0.120	1.69	15.8	<0.003
	02/13/96	1.76	0.047	0.225	1.66	7.20	<0.003
	05/21/96	3.96	0.360	0.450	4.86	24.7	<0.003
	09/26/96	2.43	<0.001	<0.001	1.98	13.5	0.058
	02/07/97	1.48	0.090	0.090	1.66	12.6	<0.003

Station ID ¹	Date	Benzene (ppm) ²	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	TPHG ³ (ppm)	Pb (ppm)
	05/09/97	1.17	0.001	0.086	0.90	3.88	<0.003
	08/19/97	1.138	0.0015	0.162	0.0082	4.82	0.0060
	11/25/97	0.5666	<0.001	0.0183	1.128	4.28	0.0130
	07/03/98	0.006	0.003	<0.001	0.006	<0.1	<0.003
	12/11/98	0.095	0.01	0.011	0.405	5.299	<0.003
MW-4	06/10/94	0.0093	<0.001	<0.001	<0.001	<0.001	0.011
	09/22/94	0.0035	<0.002	<0.002	<0.002	<0.20	0.031
	12/28/94	0.0065	<0.001	<0.001	<0.001	<0.10	0.007
	04/03/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.001
	11/02/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	02/13/96	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	05/21/96	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	09/26/96	<0.001	<0.001	<0.001	<0.001	<0.10	0.069
	02/07/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	05/08/97	<0.001	0.001	0.002	0.002	<0.10	<0.0030
	08/19/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.0180
	11/25/97	<0.001	<0.001	<0.001	0.1120	0.21	<0.003
	07/03/98	0.002	0.006	<0.001	<0.001	<0.1	<0.003
	12/11/98	<0.001	<0.001	<0.001	<0.001	<0.1	<0.003
MW-5	06/10/94	<0.001	<0.001	<0.001	<0.001	<0.010	0.012
	09/22/94	<0.002	<0.002	<0.002	<0.002	<0.20	0.038
	12/28/94	<0.001	<0.001	<0.001	<0.001	<0.10	0.007
	04/03/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.001
	11/02/95	NS ⁵	NS	NS	NS	NS	NS
	02/13/96	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	05/21/96	<0.001	<0.001	<0.001	<0.001	<0.10	0.072
	09/26/96	<0.001	<0.001	<0.001	<0.0010	<0.10	0.676
	02/07/97	<0.001	0.003	<0.001	0.002	<0.10	0.0090
	05/08/97	<0.001	<0.001	<0.001	<0.001	<0.10	0.011
	08/19/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	11/25/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	07/03/98	<0.001	0.004	<0.001	0.006	<0.1	<0.003
	12/11/98	<0.001	<0.001	<0.001	<0.001	<0.1	0.006
MW-6	06/10/94	38.0	59.0	6.4	44.0	470	0.007
	09/22/94	19.0	24.0	14.0	90.0	5.6	0.045
	12/28/94	29.0	43.0	4.7	32.0	0.560	0.004
	04/03/95	17.0	24.0	1.2	9.3	170	<0.001
	11/02/95	28.8	33.3	3.15	20.2	166.0	<0.003
	02/13/96	32.4	59.8	4.95	31.0	284	<0.003
	05/21/96	39.6	56.7	3.60	25.2	293	0.014
	09/26/96	11.7	8.10	1.35	8.10	92.2	0.081
	02/07/97	22.5	52.2	3.60	21.6	280	0.0120
	05/09/97	16.83	19.35	2.250	13.77	107	0.010
	08/19/97	13.17	16.56	1.617	6.971	70.1	<0.0030
	11/25/97	12.79	28.60	3.140	20.16	135	0.0110

Station ID ¹	Date	Benzene (ppm) ²	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	TPHC ³ (ppm)	Pb (ppm)
		10.90	48.80	5.10	29.70	165	<0.003
	07/03/98	2.44	15.05	2.31	9.77	146	<0.003
	12/11/98						
MW-7	06/10/94	<0.001	<0.001	<0.001	<0.001	<0.001	0.006
	09/22/94	<0.002	<0.002	<0.002	<0.002	<0.20	0.011
	12/28/94	<0.001	0.0038	<0.001	<0.001	<0.10	0.013
	04/03/95	0.015	<0.001	0.004	0.017	<0.10	<0.001
	11/02/95	0.004	<0.001	<0.001	<0.001	0.30	0.003
	02/13/96	0.480	<0.001	0.007	0.009	1.59	<0.003
	05/21/96	2.41	0.003	0.037	0.036	3.49	<0.003
	09/26/96	0.950	<0.001	0.015	0.020	2.66	0.067
	02/07/97	0.410	0.021	0.024	0.030	1.73	0.060
	05/09/97	0.900	0.003	0.089	0.092	2.88	<0.003
	08/19/97	0.7649	0.0019	0.0461	0.0449	1.89	0.0080
	11/25/97	1.485	<0.001	0.1456	0.1406	4.33	<0.003
	07/03/98	3.78	<0.001	0.45	0.44	10.0	<0.003
	12/11/98	0.151	<0.001	0.069	0.027	1.316	<0.003
MW-8	06/10/94	<0.001	<0.001	<0.001	<0.001	<0.10	0.008
	09/22/94	<0.002	<0.002	<0.002	<0.002	<0.20	0.009
	12/28/94	<0.001	<0.001	<0.001	0.016	<0.10	0.009
	04/03/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.001
	11/02/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	02/13/96	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	05/21/96	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	09/26/96	<0.001	<0.001	<0.001	<0.001	<0.10	0.020
	02/07/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	05/08/97	<0.001	<0.001	<0.001	<0.001	<0.10	0.008
	08/19/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.0030
	11/25/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	07/03/98	0.004	0.04	0.008	0.064	0.23	<0.003
	12/11/98	<0.001	<0.001	<0.001	<0.001	<0.1	<0.003
MW-9	06/10/94	<0.001	<0.001	<0.001	<0.001	<0.10	0.006
	09/22/94	<0.002	<0.002	<0.002	<0.002	<0.20	0.013
	12/28/94	<0.001	0.0018	<0.001	<0.001	<0.10	0.007
	04/03/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.001
	11/02/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	02/13/96	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	05/21/96	<0.001	<0.001	0.004	<0.001	<0.10	<0.003
	09/26/96	<0.001	<0.001	<0.001	<0.001	<0.10	0.027
	02/07/97	NS	NS	NS	NS	<0.10	NS
	05/08/97	NS	NS	NS	NS	<0.10	NS
	08/19/97	0.0096	<0.0010	<0.0010	0.0399	NS	0.0060
	11/25/97	<0.001	<0.001	<0.001	0.0495	<0.10	<0.003
	07/03/98	1.060	<0.01	<0.01	1.1	4.54	<0.003
	12/11/98	<0.001	<0.001	<0.001	0.028	<0.1	<0.003

Station ID ¹	Date	Benzene (ppm) ²	Toluene (ppm)	Ethylbenzene (ppm)	Xylenes (ppm)	TPHG ³ (ppm)	Pb (ppm)
MW-10	06/10/94	0.0013	<0.001	<0.001	<0.001	<0.10	0.010
	09/22/94	0.0013	<0.002	<0.002	<0.002	<0.20	0.013
	12/28/94	0.0022	0.0011	<0.001	<0.001	<0.10	0.006
	04/03/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.001
	11/02/95	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	02/13/96	<0.001	<0.001	<0.001	0.001	<0.10	<0.003
	05/21/96	<0.001	0.002	<0.001	<0.001	<0.10	0.018
	09/26/96	<0.001	<0.001	<0.001	<0.001	<0.10	0.0060
	02/07/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	05/08/97	<0.001	<0.001	<0.0010	<0.001	<0.10	0.0090
	08/19/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	11/25/97	<0.001	<0.001	<0.001	<0.001	<0.10	<0.003
	07/03/98	<0.001	<0.001	<0.001	<0.001	<0.1	<0.003
	12/11/98	<0.001	<0.001	<0.001	<0.001		
MW-11	11/02/95	20.2	1.09	0.640	2.26	45.0	0.010
	02/13/96	14.8	37.4	3.74	25.2	180	0.006
	05/21/96	22.5	61.2	8.10	47.2	259	0.009
	09/26/96	18.9	4.50	1.80	8.55	105	0.059
	02/07/97	9.90	36.9	3.60	21.6	235	0.0070
	05/09/97	12.15	35.55	3.60	22.95	130	0.006
	08/19/97	25.10	6.275	2.754	9.637	88.1	0.0080
	11/25/97	3.208	10.32	2.994	14.91	72.60	<0.003
	07/03/98	22.40	12.50	2.60	11.50	99.4	<0.003
	12/11/98	2.19	11.88	3.28	11.16	141	<0.003
						141.000	
MW-12	11/02/95	7.11	0.019	0.107	0.920	13.8	0.012
	02/13/96	8.10	<0.001	0.405	1.26	23.4	0.007
	05/21/96	20.7	<0.001	1.12	3.15	59.8	0.038
	09/26/96	8.46	<0.001	0.360	1.44	27.8	0.126
	02/07/97	3.87	0.004	0.138	0.495	10.4	0.0160
	05/09/97	5.67	<0.09	0.45	0.81	12.5	0.017
	08/19/97	4.214	<0.001	0.67	0.0201	16.8	0.0120
	11/25/97	4.052	<0.001	0.7729	2.154	11.4	<0.003
	07/03/98	2.33	<0.01	0.970	1.980	10.7	0.014
	12/11/98	0.415	<0.001	0.092	0.205	6.65	<0.003
						4150	
State of Washington Method A Cleanup Standards		0.005	0.040	0.030	0.020	1.0	0.005

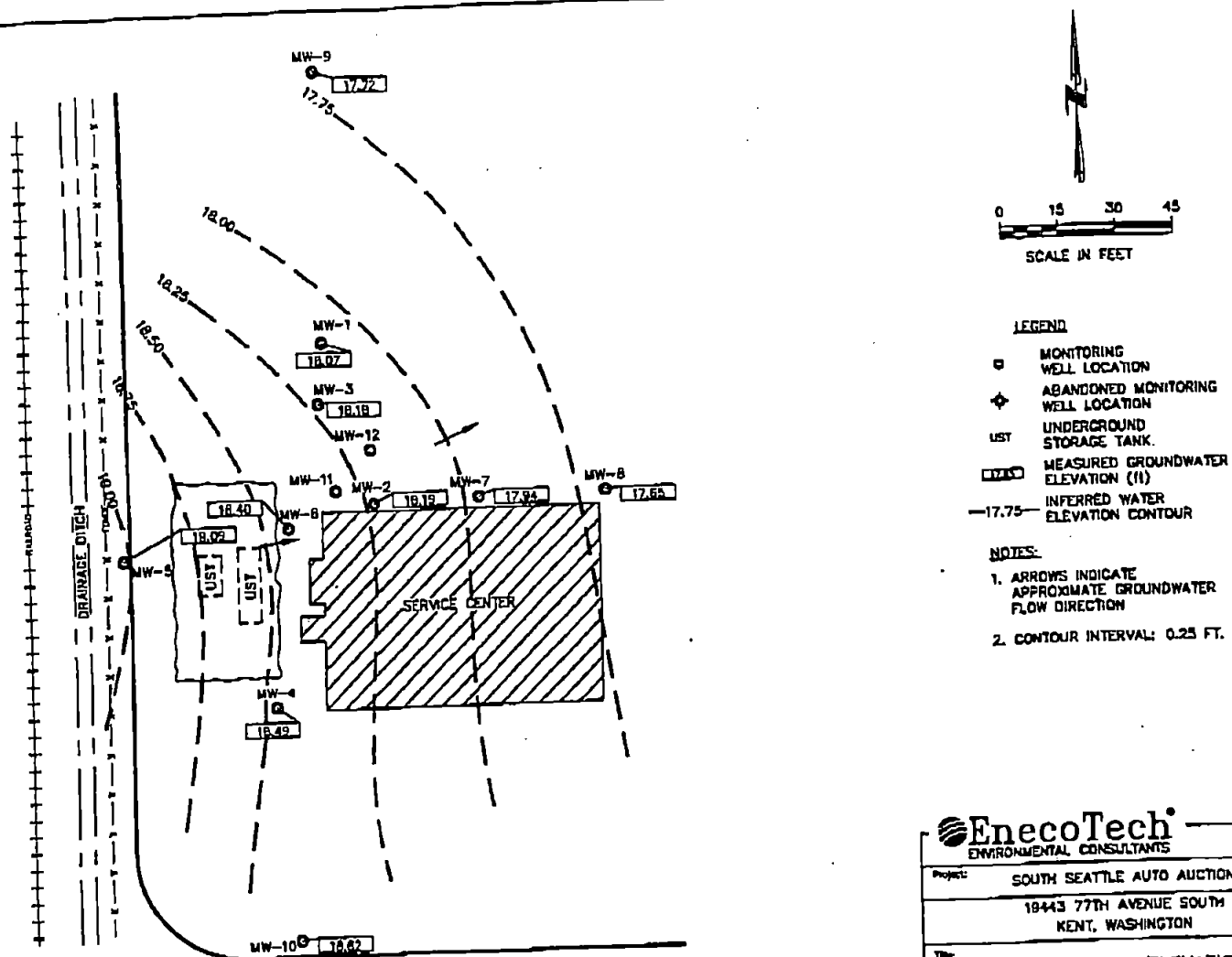
¹ See Figure 2 for station location² ppm = parts per million³ TPHG = total petroleum hydrocarbons, gasoline range⁴ All 04/06/96 samples analyzed for dissolved lead only.⁵ NS = not sampled

Note: Values in bold exceed State of Washington Method A Cleanup Standards.

U:\DOCS\UOBSAM\MANHEIM\672041\SSAAGW.TBL

ATTACHMENT B
FIGURES



**LEGEND**

- MONITORING WELL LOCATION
- ⊕ ABANDONED MONITORING WELL LOCATION
- UST UNDERGROUND STORAGE TANK
- 18.18 MEASURED GROUNDWATER ELEVATION (ft)
- 17.75- INFERRED WATER ELEVATION CONTOUR

NOTES

1. ARROWS INDICATE APPROXIMATE GROUNDWATER FLOW DIRECTION
2. CONTOUR INTERVAL: 0.25 FT.

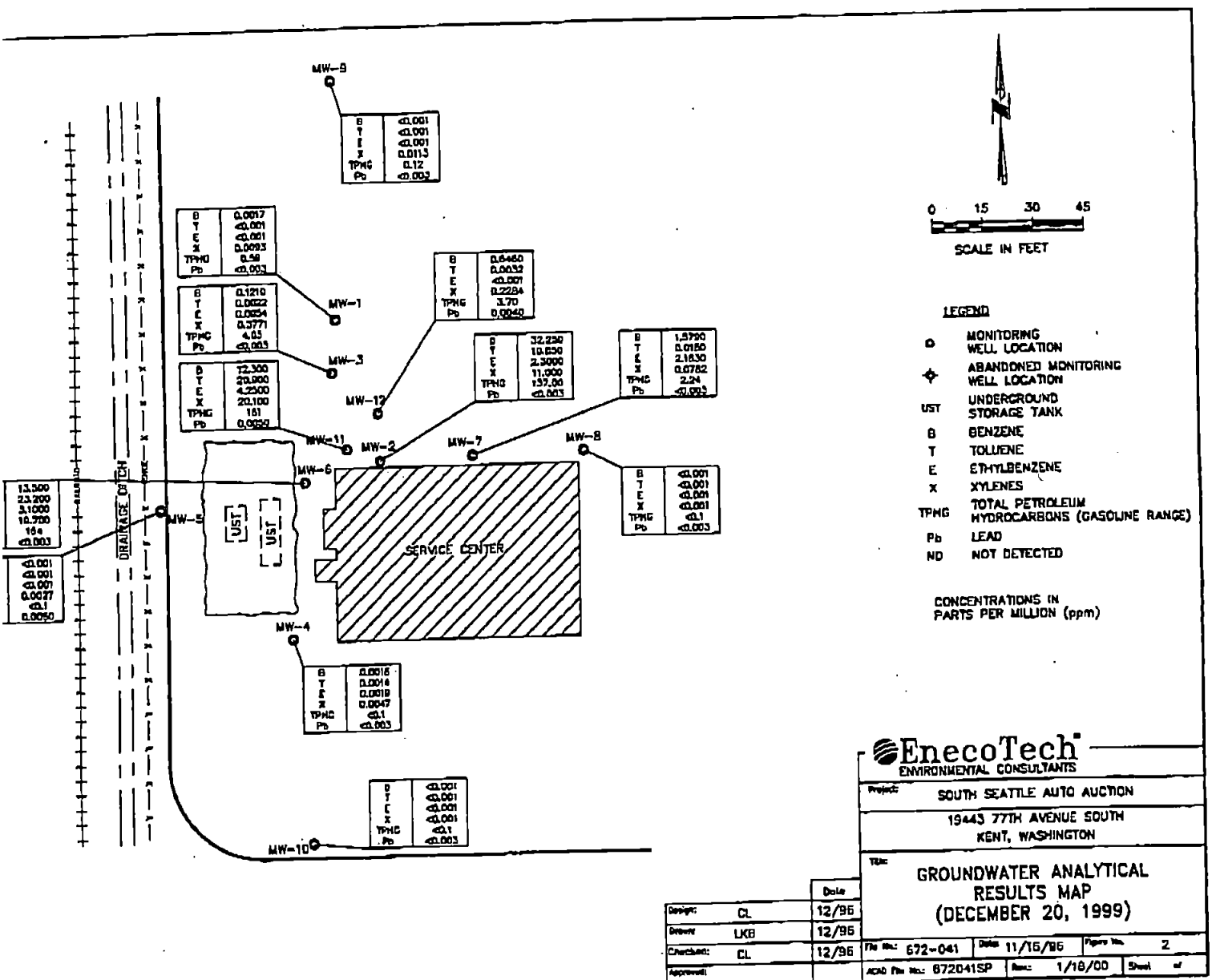
EnecoTech
ENVIRONMENTAL CONSULTANTS

Project: SOUTH SEATTLE AUTO AUCTION

18443 77TH AVENUE SOUTH
KENT, WASHINGTON

Title: GROUNDWATER ELEVATION
CONTOUR MAP
(DECEMBER 20, 1999)

		Date
Design:	CL	12/96
Drawn:	LKB	12/98
Checked:	CL	12/98
Approved:		
File No.:	872-041	Scale: 11/16/86
ACAD File No.:	672041SP	Rev: 1/16/00
Sheet	1	of



EnecoTech
ENVIRONMENTAL CONSULTANTS

Project: SOUTH SEATTLE AUTO AUCTION
19443 77TH AVENUE SOUTH
KENT, WASHINGTON

Title: GROUNDWATER ANALYTICAL
RESULTS MAP
(DECEMBER 20, 1999)

Design:	CL	Date:	12/96
Drawn:	LKB	Date:	12/96
Checked:	CL	Date:	12/96
Approved:		Date:	

File No.: 672-041	Date: 11/15/96	Figure No.: 2
ACAD File No.: 672041SP	Date: 1/18/00	Sheet: of

ATTACHMENT C
LABORATORY ANALYTICAL RESULTS

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ENECOTECH 8952
JAY MEDNICK
1980 LINCOLN STREET, STE 1000
DENVER, CO 80203

Lab Number: 99-A195227
Sample ID: MW-1
Sample Type: Water
Site ID:

Date Collected: 12/20/99
Time Collected: 19:46
Date Received: 12/22/99
Time Received: 9:00

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Analyte	Result	Units	Report Limit	RVap Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
>C6-C8 Aliphatic's	0.176	ng/l	0.100	0.100	1	1/ 2/00	2:01	Ciesielski	LDER	2827
>C8-C10 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	2:01	Ciesielski	LDER	2827
>C10-C12 Aliphatic's	0.364	ng/l	0.100	0.100	1	1/ 2/00	2:01	Ciesielski	LDER	2827
>C8-C10 Aromatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	2:01	Ciesielski	LDER	2827
>C10-C12 Aromatic's	0.109	ng/l	0.100	0.100	1	1/ 2/00	2:01	Ciesielski	LDER	2827
Benzene	0.0017	ng/l	0.0010	0.0010	1	1/ 2/00	2:01	Ciesielski	80210	2827
Toluene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	2:01	Ciesielski	80210	2827
Ethylbenzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	2:01	Ciesielski	80210	2827
Xylenes, total	0.0093	ng/l	0.0010	0.0010	1	1/ 2/00	2:01	Ciesielski	80210	2827
TPH (Gasoline Range)	0.59	ng/l	0.10	0.10	1	1/ 2/00	2:01	Ciesielski	80150/5030	2827
METALS										
Lead	ND	ng/l	0.0030	0.0030	1	12/27/99	14:53	R. Kelley	60100	2933

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH Surr., PID	130.	70. - 130.
UPH Surr., FID	128.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A195227
Sample ID: MW-1

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Lab Number: 99-A175228

Sample ID: MW-2

Sample Type: Water

Site ID:

Date Collected: 12/20/99

Time Collected: 18:20

Date Received: 12/22/99

Time Received: 9:00

ENECOTECH 8952

JAY MEDNICK

1380 LINCOLN STREET, STE 1000

DENVER, CO 80203

Project: 01-00672-041

Project Name: SOUTH SEATTLE AUTO AUCTION

Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Q/L Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
>C6-C8 Aliphatics	71.6	ng/l	5.00	0.200	50	1/ 2/00	2:37	Ciesielski	LOER	2827
>C8-C10 Aliphatics	25.8	ng/l	5.00	0.200	50	1/ 2/00	2:37	Ciesielski	LOER	2827
>C10-C12 Aliphatics	20.6	ng/l	5.00	0.200	50	1/ 2/00	2:37	Ciesielski	LOER	2827
>C8-C10 Aromatics	24.8	ng/l	5.00	0.200	50	1/ 2/00	2:37	Ciesielski	LOER	2827
>C10-C12 Aromatics	5.50	ng/l	5.00	0.200	50	1/ 2/00	2:37	Ciesielski	LOER	2827
Benzene	32.25	ng/l	5.000	0.0010	50	1/ 2/00	2:37	Ciesielski	8021B	2827
Toluene	10.85	ng/l	0.0500	0.0010	50	1/ 2/00	2:37	Ciesielski	8021B	2827
Ethylbenzene	2.300	ng/l	0.0500	0.0010	50	1/ 2/00	2:37	Ciesielski	8021B	2827
Xylenes, total	11.00	ng/l	5.000	0.0010	50	1/ 2/00	2:37	Ciesielski	8021B	2827
TPH (Gasoline Range)	137.	ng/l	50.0	0.10	500	1/ 2/00	2:37	Ciesielski	8013M/5050	2827
METALS										
Lead	ND	ng/l	0.0050	0.0050	1	12/27/99	14:53	R. Kelley	60100	2933

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH Surr., PID	110.	70. - 130.
UPH Surr., FID	112.	70. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195228
Sample ID: MW-2

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:



Report Date: 1/ 3/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Lab Number: 99-A195229
Sample ID: MW-3
Sample Type: Water
Site ID:

Date Collected: 12/20/99
Time Collected: 18:45
Date Received: 12/22/99
Time Received: 9:00

ENEGOTECH 8752
JAY MEDNICK
1980 LINCOLN STREET, STE 1000
DENVER, CO 80203

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
>C6-C8 Aliphatics	0.891	ng/l	0.100	0.100	1	1/ 2/00	3:14	Ciesielski	LDER	2827
>C8-C10 Aliphatics	0.512	ng/l	0.100	0.100	1	1/ 2/00	3:14	Ciesielski	LDER	2827
>C10-C12 Aliphatics	2.51	ng/l	0.100	0.100	1	1/ 2/00	3:14	Ciesielski	LDER	2827
>C8-C10 Aromatics	0.437	ng/l	0.100	0.100	1	1/ 2/00	3:14	Ciesielski	LDER	2827
>C10-C12 Aromatics	0.757	ng/l	0.100	0.100	1	1/ 2/00	3:14	Ciesielski	LDER	2827
Benzene	0.1210	ng/l	0.0010	0.0010	1	1/ 2/00	3:14	Ciesielski	8021B	2827
Toluene	0.0022	ng/l	0.0010	0.0010	1	1/ 2/00	3:14	Ciesielski	8021B	2827
Ethylbenzene	0.0054	ng/l	0.0010	0.0010	1	1/ 2/00	3:14	Ciesielski	8021B	2827
Xylenes, total	0.3771	ng/l	0.0010	0.0010	1	1/ 2/00	3:14	Ciesielski	8021B	2827
TPH (Gasoline Range)	4.03	ng/l	0.10	0.10	1	1/ 2/00	3:14	Ciesielski	8015N/5030	2827
METALS										
Lead	ND	ng/l	0.0020	0.0020	1	12/27/99	14:53	R. Kelley	60106	2933

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH SURR., PID	104.	70. - 130.
UPH SURR., FID	106.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A175229
Sample ID: MW-3

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Lab Number: 99-A195230
Sample ID: MW-4
Sample Type: Water
Site ID:

Date Collected: 12/20/99
Time Collected: 12:55
Date Received: 12/22/99
Time Received: 9:00

ENECOTECH 8952
JAY MEDNICK
1380 LINCOLN STREET, STE 1000
DENVER, CO 80203

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Analyte	Result	Units	Report Limit	Mean Limit	Dil Factor	Date	Time	Analyst	Method	Batch
MORGANIC PARAMETERS										
>C6-C8 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	3:30	Ciesielski	LDER	2827
>C8-C10 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	3:30	Ciesielski	LDER	2827
>C10-C12 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	3:30	Ciesielski	LDER	2827
>C8-C10 Aromatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	3:30	Ciesielski	LDER	2827
>C10-C12 Aromatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	3:30	Ciesielski	LDER	2827
Benzene	0.0016	ng/l	0.0010	0.0010	1	1/ 2/00	3:30	Ciesielski	8021B	2827
Toluene	0.0014	ng/l	0.0010	0.0010	1	1/ 2/00	3:30	Ciesielski	8021B	2827
Ethylbenzene	0.0019	ng/l	0.0010	0.0010	1	1/ 2/00	3:30	Ciesielski	8021B	2827
Xylenes, total	0.0047	ng/l	0.0010	0.0010	1	1/ 2/00	3:30	Ciesielski	8021B	2827
TPH (Gasoline Range)	ND	ng/l	0.10	0.10	1	1/ 2/00	3:30	Ciesielski	8015M/5030	2827
METALS										
Lead	ND	ng/l	0.0050	0.0050	1	12/27/99	14:53	R. Kelley	60106	2935

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH SURR., PID	118.	70. - 130.
UPH SURR., FID	118.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195230
Sample ID: MW-4

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Lab Number: 99-A195231
Sample ID: MW-5
Sample Type: Water
Site ID:

Date Collected: 12/20/99
Time Collected: 16:36
Date Received: 12/22/99
Time Received: 9:00

ENECOTECH 8932
JAY MEDNICK
1580 LINCOLN STREET, STE 1000
DENVER, CO 80203

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Analys	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
>C6-C8 Aliphatics	ND	ng/l	0.100	0.100	1	1/ 2/00	4:26	Ciesielski	LDER	2827
>C8-C10 Aliphatics	ND	ng/l	0.100	0.100	1	1/ 2/00	4:26	Ciesielski	LDER	2827
>C10-C12 Aliphatics	ND	ng/l	0.100	0.100	1	1/ 2/00	4:26	Ciesielski	LDER	2827
>C8-C10 Aromatics	ND	ng/l	0.100	0.100	1	1/ 2/00	4:26	Ciesielski	LDER	2827
>C10-C12 Aromatics	ND	ng/l	0.100	0.100	1	1/ 2/00	4:26	Ciesielski	8021B	2827
Benzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	4:26	Ciesielski	8021B	2827
Toluene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	4:26	Ciesielski	8021B	2827
Ethylbenzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	4:26	Ciesielski	8021B	2827
Xylenes, total	0.0027	ng/l	0.0010	0.0010	1	1/ 2/00	4:26	Ciesielski	8021B	2827
TPH (Gasoline Range)	ND	ng/l	0.10	0.10	1	1/ 2/00	4:26	Ciesielski	8015N/5030	2827
METALS										
Lead	0.0050	ng/l	0.0030	0.0030	1	12/27/99	14:53	R. Kelley	60108	2933

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH SURR., PID	117.	70. - 130.
UPH SURR., FID	117.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195231
Sample ID: MW-5

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 3/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ENECOTECH 8952
JAY MEDNICK
1580 LINCOLN STREET, STE 1000
DENVER, CO 80203

Lab Number: 99-A193232
Sample ID: MW-6
Sample Type: Water
Site ID:

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Date Collected: 12/21/99
Time Collected: 10:40
Date Received: 12/22/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Run Limit	Dil Factor	Date	Time	Analyst	Method	Batch
MORGANIC PARAMETERS										
>C6-C8 Aliphatics	48.8	ng/l	5.00	0.200	50	1/ 2/00	3:02	Ciesielski	LDER	2827
>C8-C10 Aliphatics	49.0	ng/l	5.00	0.200	50	1/ 2/00	3:02	Ciesielski	LDER	2827
>C10-C12 Aliphatics	33.6	ng/l	5.00	0.200	50	1/ 2/00	3:02	Ciesielski	LDER	2827
>C8-C10 Aromatics	47.6	ng/l	5.00	0.200	50	1/ 2/00	3:02	Ciesielski	LDER	2827
>C10-C12 Aromatics	10.4	ng/l	5.00	0.200	50	1/ 2/00	3:02	Ciesielski	LDER	2827
Benzene	13.50	ng/l	0.0500	0.0010	50	1/ 2/00	3:02	Ciesielski	8021B	2827
Toluene	23.20	ng/l	0.0500	0.0010	50	1/ 2/00	3:02	Ciesielski	8021B	2827
Ethylbenzene	3.100	ng/l	0.0500	0.0010	50	1/ 2/00	3:02	Ciesielski	8021B	2827
Xylenes, total	19.70	ng/l	0.0500	0.0010	50	1/ 2/00	3:02	Ciesielski	8021B	2827
TPH (Gasoline Range)	164.	ng/l	50.0	0.10	500	1/ 2/00	3:02	Ciesielski	8013B/3030	2827
METALS										
Lead	ND	ng/l	0.0030	0.0030	1	12/27/99	14:55	R. Kelley	6010B	2933

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH SURR., PID	104.	70. - 130.
UPH SURR., FID	103.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195232
Sample ID: MW-6

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ENECOTECH 8932
JAY MEDNICK
1580 LINCOLN STREET, STE 1000
DENVER, CO 80203

Lab Number: 99-A195233
Sample ID: MW-7
Sample Type: Water
Site ID:

Date Collected: 12/21/99
Time Collected: 10:27
Date Received: 12/22/99
Time Received: 9:00

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
HYDROCARBON PARAMETERS										
>C6-C8 Aliphatic's	41.2	ng/l	1.00	0.200	10	1/ 2/00	5:38	Ciesielski	LOER	2827
>C8-C10 Aliphatic's	3.00	ng/l	1.00	0.200	10	1/ 2/00	5:38	Ciesielski	LOER	2827
>C10-C12 Aliphatic's	5.12	ng/l	1.00	0.200	10	1/ 2/00	5:38	Ciesielski	LOER	2827
>C8-C10 Aromatic's	2.80	ng/l	1.00	0.200	10	1/ 2/00	5:38	Ciesielski	LOER	2827
>C10-C12 Aromatic's	1.55	ng/l	1.00	0.200	10	1/ 2/00	5:38	Ciesielski	8021B	2827
Benzene	1.579	ng/l	0.0100	0.0010	10	1/ 2/00	5:38	Ciesielski	8021B	2827
Toluene	0.0150	ng/l	0.0100	0.0010	10	1/ 2/00	5:38	Ciesielski	8021B	2827
Ethylbenzene	2.163	ng/l	0.0100	0.0010	10	1/ 2/00	5:38	Ciesielski	8021B	2827
Xylenes, total	0.0782	ng/l	0.0100	0.0010	10	1/ 2/00	5:38	Ciesielski	8015M/5030	2827
TPH (Gasoline Range)	2.24	ng/l	0.10	0.10	1	1/ 2/00	5:38	Ciesielski		
HEAVY METALS										
Lead	ND	ng/l	0.0030	0.0030	1	12/27/99	14:53	R. Kelley	6010B	2933

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH Surr., PID	88.	70. - 130.
UPH Surr., FID	86.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195233
Sample ID: MW-7

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Lab Number: 99-A195234
Sample ID: MW-8
Sample Type: Water
Site ID:

Date Collected: 12/20/99
Time Collected: 14:07
Date Received: 12/22/99
Time Received: 9:00

ENECOTECH 8932
JAY MEDNICK
1580 LINCOLN STREET, STE 1000
DENVER, CO 80203

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	DIL Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
C6-C8 Aliphatics	ND	ng/l	0.100	0.100	1	1/ 2/00	9:49	Ciesielski	LDER	2627
C8-C10 Aliphatics	ND	ng/l	0.100	0.100	1	1/ 2/00	9:49	Ciesielski	LDER	2627
C10-C12 Aliphatics	ND	ng/l	0.100	0.100	1	1/ 2/00	9:49	Ciesielski	LDER	2627
C8-C10 Aromatics	ND	ng/l	0.100	0.100	1	1/ 2/00	9:49	Ciesielski	LDER	2627
C10-C12 Aromatics	ND	ng/l	0.100	0.100	1	1/ 2/00	9:49	Ciesielski	LDER	2627
Benzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	9:49	Ciesielski	8021B	2627
Toluene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	9:49	Ciesielski	8021B	2627
Ethylbenzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	9:49	Ciesielski	8021B	2627
Xylenes, total	ND	ng/l	0.0010	0.0010	1	1/ 2/00	9:49	Ciesielski	8021B	2627
TPH (Gasoline Range)	ND	ng/l	0.10	0.10	1	1/ 2/00	9:49	Ciesielski	8015N/3030	2627
METALS										
Lead	ND	ng/l	0.0030	0.0030	1	12/28/99	8:59	R. Kelley	6010R	2934

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH SURT., FID	124.	70. - 130.
UPH SURT., FID	123.	70. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 79-A195234
Sample ID: MW-8

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:



Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ENECOTECH 8952

JAY MEDNICK

1580 LINCOLN STREET, STE 1000
DENVER, CO 80203

Lab Number: 99-A195235

Sample ID: MW-9

Sample Type: Water

Site ID:

Date Collected: 12/20/99

Time Collected: 16:55

Date Received: 12/22/99

Time Received: 9:00

Project: 01-00672-041

Project Name: SOUTH SEATTLE AUTO AUGTI

Sampler:

Analyte	Result	Units	Report Limit	Run Limit	DIL Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
>C6-C8 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	10:25	Ciesielski	LDER	2827
>C8-C10 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	10:25	Ciesielski	LDER	2827
>C10-C12 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	10:25	Ciesielski	LDER	2827
>C8-C10 Aromatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	10:25	Ciesielski	LDER	2827
>C10-C12 Aromatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	10:25	Ciesielski	80210	2827
Benzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	10:25	Ciesielski	80210	2827
Toluene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	10:25	Ciesielski	80210	2827
Ethylbenzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	10:25	Ciesielski	80210	2827
Xylenes, total	0.0113	ng/l	0.0010	0.0010	1	1/ 2/00	10:25	Ciesielski	80210	2827
TPH (Gasoline Range)	0.12	ng/l	0.10	0.10	1	1/ 2/00	10:25	Ciesielski	80150/5030	2827
METALS										
Lead	ND	ng/l	0.0030	0.0030	1	12/28/99	8:59	R. Kelley	60100	2934

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH Surrogate, PID	122.	70. - 130.
UPH Surrogate, FID	118.	70. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

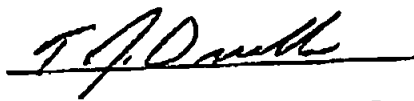
ANALYTICAL REPORT

Laboratory Number: 99-A195235
Sample ID: MW-9

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:



Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ENECOTECH 8752
JAY MEDNICK
1580 LINCOLN STREET, STE 1000
DENVER, CO 80203

Lab Number: 99-A195236
Sample ID: MW-10
Sample Type: Water
Site ID:

Date Collected: 12/20/99
Time Collected: 12:07
Date Received: 12/22/99
Time Received: 9:00

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
HC6-C8 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	12:14	Ciesielski	LOER	2627
HC8-C10 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	12:14	Ciesielski	LOER	2627
HC10-C12 Aliphatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	12:14	Ciesielski	LOER	2627
HC8-C10 Aromatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	12:14	Ciesielski	LOER	2627
HC10-C12 Aromatic's	ND	ng/l	0.100	0.100	1	1/ 2/00	12:14	Ciesielski	LOER	2627
Benzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	12:14	Ciesielski	8021B	2627
Toluene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	12:14	Ciesielski	8021B	2627
Ethylbenzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	12:14	Ciesielski	8021B	2627
Xylenes, total	ND	ng/l	0.0010	0.0010	1	1/ 2/00	12:14	Ciesielski	8021B	2627
TPH (Gasoline Range)	ND	ng/l	0.10	0.10	1	1/ 2/00	12:14	Ciesielski	8015N/5030	2627
METALS										
Lead	ND	ng/l	0.0030	0.0030	1	12/28/99	8:59	R. Kelley	6010R	2934

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH Surr., FID	122.	70. - 130.
UPH Surr., FID	118.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195236
Sample ID: MW-10

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: T. J. Duello Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ENECOTECH 8952
JAY MEDNICK
1580 LINCOLN STREET, STE 1000
DENVER, CO 80203

Lab Number: 99-A195237
Sample ID: MW-11
Sample Type: Water
Site ID:

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Date Collected: 12/21/99
Time Collected: 8:46
Date Received: 12/22/99
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
>C6-C8 Aliphatics	43.4	ng/l	5.00	0.200	50	1/ 2/00	12:50	Ciesielski	LDER	2827
>C8-C10 Aliphatics	47.7	ng/l	5.00	0.200	50	1/ 2/00	12:50	Ciesielski	LDER	2827
>C10-C12 Aliphatics	27.9	ng/l	5.00	0.200	50	1/ 2/00	12:50	Ciesielski	LDER	2827
>C8-C10 Aromatics	46.6	ng/l	5.00	0.200	50	1/ 2/00	12:50	Ciesielski	LDER	2827
>C10-C12 Aromatics	7.15	ng/l	5.00	0.200	50	1/ 2/00	12:50	Ciesielski	8021B	2827
Benzene	12.30	ng/l	0.0050	0.0010	50	1/ 2/00	12:50	Ciesielski	8021B	2827
Toluene	20.90	ng/l	0.0500	0.0010	50	1/ 2/00	12:50	Ciesielski	8021B	2827
Ethylbenzene	4.250	ng/l	0.0500	0.0010	50	1/ 2/00	12:50	Ciesielski	8021B	2827
Xylenes, total	20.10	ng/l	0.0500	0.0010	50	1/ 2/00	12:50	Ciesielski	8021B	2827
TPH (Gasoline Range)	151.	ng/l	50.0	0.10	500	1/ 2/00	12:50	Ciesielski	8015H/5030	2827
METALS										
Lead	0.0050	ng/l	0.0030	0.0030	1	12/28/99	8:59	R. Kelley	6010B	2934

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH SURR., FID	108.	70. - 130.
UPH SURR., FID	108.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195237
Sample ID: MW-11

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

ENECOTECH 8932
JAY MEDNICK
1380 LINCOLN STREET, STE 1000
DENVER, CO 80203

Lab Number: 99-A195238
Sample ID: MW-12
Sample Type: Water
Site ID:

Project: 01-00672-041
Project Name: SOUTH SEATTLE AUTO AUCTION
Sampler:

Date Collected: 12/21/99
Time Collected: 9:55
Date Received: 12/22/99
Time Received: 9:00

Analyste	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
C6-C8 Aliphatic's	2.26	ng/l	0.100	0.100	1	1/ 2/00	13:26	Ciesielski	LOER	2827
C9-C10 Aliphatic's	0.262	ng/l	0.100	0.100	1	1/ 2/00	13:26	Ciesielski	LOER	2827
C10-C12 Aliphatic's	1.48	ng/l	0.100	0.100	1	1/ 2/00	13:26	Ciesielski	LOER	2827
C6-C10 Aromatic's	0.262	ng/l	0.100	0.100	1	1/ 2/00	13:26	Ciesielski	LOER	2827
C10-C12 Aromatic's	0.447	ng/l	0.100	0.100	1	1/ 2/00	13:26	Ciesielski	LOER	2827
Benzene	0.6460	ng/l	0.0010	0.0010	1	1/ 2/00	13:26	Ciesielski	8021B	2827
Toluene	0.0032	ng/l	0.0010	0.0010	1	1/ 2/00	13:26	Ciesielski	8021B	2827
Ethylbenzene	ND	ng/l	0.0010	0.0010	1	1/ 2/00	13:26	Ciesielski	8021B	2827
Xylenes, total	0.2284	ng/l	0.0010	0.0010	1	1/ 2/00	13:26	Ciesielski	8021B	2827
TPH (Gasoline Range)	3.70	ng/l	0.10	0.10	1	1/ 2/00	13:26	Ciesielski	8015N/5030	2827
METALS										
Lead	0.0040	ng/l	0.0030	0.0030	1	12/28/99	8:59	R. Kelley	60100	2934

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
UPH Surr., FID	118.	70. - 130.
UPH Surr., FID	118.	70. - 130.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 99-A195238
Sample ID: MW-12

Page 2

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 1/ 5/00

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

End of Sample Report.

**SPECIALIZED ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA**Matrix Spike Recovery**

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
>C6-C8 Aliphatic's	ng/l	< 0.100	0.124	0.120	103	60. - 140.	2827
>C6-C8 Aliphatic's	ng/l	< 0.100	0.120	0.120	100	60. - 140.	2827
>C8-C10 Aliphatic's	ng/l	< 0.100	0.220	0.200	110	60. - 140.	2827
>C8-C10 Aliphatic's	ng/l	< 0.100	0.208	0.200	104	60. - 140.	2827
>C10-C12 Aliphatic's	ng/l	< 0.100	0.151	0.120	126	60. - 140.	2827
>C10-C12 Aliphatic's	ng/l	< 0.100	0.128	0.120	107	60. - 140.	2827
>C8-C10 Aromatic's	ng/l	< 0.100	0.211	0.200	106	60. - 140.	2827
>C8-C10 Aromatic's	ng/l	< 0.100	0.204	0.200	102	60. - 140.	2827
>C10-C12 Aromatic's	ng/l	< 0.100	0.448	0.400	112	60. - 140.	2827
>C10-C12 Aromatic's	ng/l	< 0.100	0.437	0.400	109	60. - 140.	2827
Benzene	ng/l	< 0.0010	0.0400	0.0400	100	75. - 125.	2827
Benzene	ng/l	< 0.0010	0.0393	0.0400	98	75. - 125.	2827
Toluene	ng/l	< 0.0010	0.0416	0.0400	104	70. - 125.	2827
Toluene	ng/l	< 0.0010	0.0401	0.0400	100	70. - 125.	2827
Ethylbenzene	ng/l	< 0.0010	0.0426	0.0400	106	71. - 129.	2827
Ethylbenzene	ng/l	< 0.0010	0.0412	0.0400	103	71. - 129.	2827
Lead	ng/l	0.1420	0.1900	0.0500	96	80 - 120	2933
Lead	ng/l	< 0.0030	0.0500	0.0500	100	80 - 120	2934

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
>C6-C8 Aliphatic's	ng/l	0.124	0.120	3.28	20.	2827
>C8-C10 Aliphatic's	ng/l	0.220	0.208	5.61	20.	2827
>C10-C12 Aliphatic's	ng/l	0.151	0.128	16.49	20.	2827
>C8-C10 Aromatic's	ng/l	0.211	0.204	3.37	20.	2827
>C10-C12 Aromatic's	ng/l	0.448	0.437	2.49	20.	2827
Benzene	ng/l	0.0400	0.0393	1.77	20.	2827
Toluene	ng/l	0.0416	0.0401	3.67	20.	2827
Ethylbenzene	ng/l	0.0426	0.0412	3.34	20.	2827
Lead	ng/l	0.1900	0.1920	1.05	20	2933
Lead	ng/l	0.0500	0.0520	3.92	20	2934

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Lead	ng/l	0.0500	0.0530	106	80 - 120	2933
Lead	ng/l	0.0500	0.0450	98	80 - 120	2934



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	A.C. Batch
>C6-C8 Aliphatic's	< 0.100	ng/l	2827
>C8-C10 Aliphatic's	< 0.100	ng/l	2827
>C10-C12 Aliphatic's	< 0.100	ng/l	2827
>C8-C10 Aromatic's	< 0.100	ng/l	2827
>C10-C12 Aromatic's	< 0.100	ng/l	2827
Benzene	< 0.0010	ng/l	2827
Toluene	< 0.0010	ng/l	2827
Ethylbenzene	< 0.0010	ng/l	2827
Lead	< 0.0030	ng/l	2933
Lead	< 0.0030	ng/l	2934

PROJ. NO. 01-00672-041
PROJECT NAME SOUTH SATTLE AUTO ACTION

SAMPLERS: (Signature)

John Myrl

NO.
OF
CON-
TAINERS

Ship To:
SPECIALIZED ASSETS ENVIRONMENTAL
NASHVILLE, TN

EnecoTech contact CHRIS LOCHRI
Remarks/Bottle No.

STAT. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	WASHING TIME VPH & BTEX	TPH-GRO (ASPH/SEB)	Total Lead (60108)	(80109)	(90108)	Remarks
MW-1	12/20/99	1546		X	MW-1	6	X	X	X	195	227	300g's w/4cl, 200g's w/4cl, 200g's w/4cl, 200g's w/4cl
-2	12/20/99	1820		X	MW-2	6	X	X	X		29	
-3	12/20/99	1845		X	MW-3	6	X	X	X		29	
-4	12/20/99	1255		X	MW-4	6	X	X	X		30	
-5	12/20/99	1636		X	MW-5	6	X	X	X		31	
-6	12/21/99	1040		X	MW-6	6	X	X	X		32	
-7	12/21/99	1027		X	MW-7	6	X	X	X		33	
-8	12/20/99	1407		X	MW-8	6	X	X	X		34	
-9	12/20/99	1655		X	MW-9	6	X	X	X		35	
-10	12/20/99	1807		X	MW-10	6	X	X	X		36	
-11	12/21/99	946		X	MW-11	6	X	X	X		37	
MW-12	12/20/99	955		X	MW-12	6	X	X	X	195	230	2 coolers!!

Relinquished by: (Signature) <i>John Myrl</i>	Date/Time 12/21/99 1300	Received by: (Signature) <i>fed ex amb...</i>	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature) <i>M. Broady</i>	Date/Time 12/22/99 9:20	Remarks 4c	
Split Samples ☐ Accepted ☐ Declined			Signature		