

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Mallon	Project #:	403410
Sample ID:	Down Gradient Stock Tank	Date Reported:	08-04-99
Chain of Custody:	7258	Date Sampled:	08-03-99
Laboratory Number:	F813	Date Received:	08-03-99
Sample Matrix:	Water	Date Analyzed:	08-04-99
Preservative:	HgCl ₂ & Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	4.3	1	0.2
Toluene	8.5	1	0.2
Ethylbenzene	1.7	1	0.2
p,m-Xylene	5.2	1	0.2
o-Xylene	1.3	1	0.1

Total BTEX 21.0

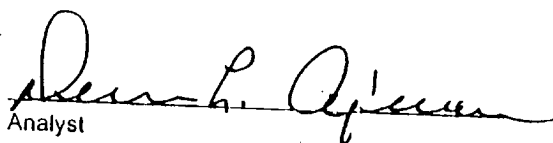
ND - Parameter not detected at the stated detection limit.

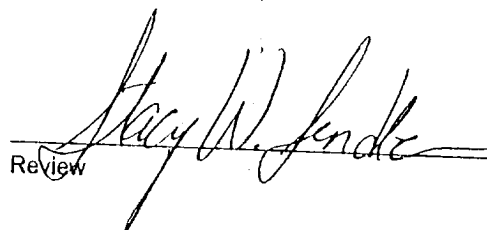
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	96 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Jicarilla SWD.


Analyst


Review

ELI VIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	08-04-BTEX QA/QC	Date Reported:	08-04-99
Laboratory Number:	F813	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-04-99
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	GC/MS	GC/MS	% Diff	Flag	Detect
	Accept Range 0 - 15%			Conc	Limit
Benzene	1.0879E+000	1.0913E+000	0.32%	ND	0.2
Toluene	9.4472E-001	9.4491E-001	0.02%	ND	0.2
Ethylbenzene	1.3073E-001	1.3088E-001	0.12%	ND	0.2
p,m-Xylene	1.1712E-001	1.1714E-001	0.02%	ND	0.2
o-Xylene	1.0339E-001	1.0370E-001	0.30%	ND	0.1

Duplicate Conc (ug/L)	Sample	Duplicate	% Diff	Accept Limit
Benzene	4.3	4.3	0.0%	0 - 30%
Toluene	8.5	8.5	0.0%	0 - 30%
Ethylbenzene	1.7	1.7	0.0%	0 - 30%
p,m-Xylene	5.2	5.4	3.8%	0 - 30%
o-Xylene	1.3	1.3	0.0%	0 - 30%

Spike Conc (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limit
Benzene	4.3	50.0	54.4	100%	39 - 150
Toluene	8.5	50.0	58.9	101%	46 - 148
Ethylbenzene	1.7	50.0	51.8	100%	32 - 160
p,m-Xylene	5.2	100.0	105	100%	46 - 148
o-Xylene	1.3	50.0	51.4	100%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for sample F813.

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Analyst

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Review