

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY021999.D
 Acq On : 25 Apr 2025 10:45
 Operator : SY/MD
 Sample : VY0425SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0425SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2025
 Supervised By :Mahesh Dadoda 04/28/2025

Quant Time: Apr 25 22:54:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	297056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	415359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	222959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130883	47.700	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.400%		
35) Dibromofluoromethane	7.634	113	145611	48.900	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.800%		
50) Toluene-d8	10.109	98	557014	49.618	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.240%		
62) 4-Bromofluorobenzene	12.408	95	183983	48.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48256	19.064	ug/l	95
3) Chloromethane	2.068	50	72982	20.249	ug/l	98
4) Vinyl Chloride	2.202	62	86367	19.500	ug/l	97
5) Bromomethane	2.592	94	75038	19.665	ug/l	99
6) Chloroethane	2.733	64	57273	18.987	ug/l	99
7) Trichlorofluoromethane	3.056	101	117948	20.196	ug/l	94
8) Diethyl Ether	3.452	74	28558	18.787	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	63387	20.007	ug/l	99
10) Methyl Iodide	4.001	142	65678	17.905	ug/l	99
11) Tert butyl alcohol	4.879	59	14643	97.208	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	56961	19.289	ug/l	91
13) Acrolein	3.653	56	23641	87.442	ug/l	97
14) Allyl chloride	4.385	41	64418	18.734	ug/l	99
15) Acrylonitrile	5.055	53	53516	96.166	ug/l	99
16) Acetone	3.879	43	40267	99.237	ug/l	91
17) Carbon Disulfide	4.104	76	182984	19.434	ug/l	99
18) Methyl Acetate	4.385	43	24671	19.248	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	124520	18.839	ug/l	100
20) Methylene Chloride	4.616	84	63680	18.354	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	64175	19.405	ug/l	97
22) Diisopropyl ether	6.025	45	150511	19.669	ug/l	99
23) Vinyl Acetate	5.964	43	393047	95.309	ug/l	99
24) 1,1-Dichloroethane	5.921	63	101124	19.065	ug/l	99
25) 2-Butanone	6.896	43	59613	95.312	ug/l	96
26) 2,2-Dichloropropane	6.884	77	92939	19.992	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	70095	18.955	ug/l	99
28) Bromochloromethane	7.244	49	40776	19.792	ug/l	99
29) Tetrahydrofuran	7.262	42	39354	96.879	ug/l	98
30) Chloroform	7.421	83	115792	19.681	ug/l	97
31) Cyclohexane	7.707	56	86725	19.120	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	102426	19.243	ug/l	98
36) 1,1-Dichloropropene	7.835	75	80559	20.140	ug/l	100
37) Ethyl Acetate	6.988	43	26569	18.495	ug/l #	95
38) Carbon Tetrachloride	7.823	117	97918	20.487	ug/l	100
39) Methylcyclohexane	9.110	83	97089	19.288	ug/l	95
40) Benzene	8.079	78	250490	20.034	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	16851m	21.458	ug/l	
42) 1,2-Dichloroethane	8.158	62	63906	20.643	ug/l	99
43) Isopropyl Acetate	8.201	43	54134	19.622	ug/l #	85
44) Trichloroethene	8.866	130	69583	20.092	ug/l	98
45) 1,2-Dichloropropane	9.140	63	55378	20.028	ug/l	90
46) Dibromomethane	9.238	93	34819	20.116	ug/l	100
47) Bromodichloromethane	9.427	83	87117	20.147	ug/l	97
48) Methyl methacrylate	9.225	41	23298	18.268	ug/l	92
49) 1,4-Dioxane	9.231	88	6866	372.164	ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	146930	101.597	ug/l	98
52) Toluene	10.170	92	165029	20.390	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	74047	19.964	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	87333	19.808	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	46980	20.319	ug/l	98
56) Ethyl methacrylate	10.439	69	49286	18.640	ug/l	96
57) 1,3-Dichloropropane	10.719	76	73911	19.940	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	126178	97.604	ug/l	99
59) 2-Hexanone	10.762	43	93776	98.309	ug/l	96
60) Dibromochloromethane	10.914	129	65403	20.431	ug/l	100
61) 1,2-Dibromoethane	11.012	107	43798	20.065	ug/l	100
64) Tetrachloroethene	10.652	164	76025	19.402	ug/l	96
65) Chlorobenzene	11.444	112	181406	19.530	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	66401	20.306	ug/l	98
67) Ethyl Benzene	11.524	91	289521	19.054	ug/l	98
68) m/p-Xylenes	11.633	106	237394	39.263	ug/l	99
69) o-Xylene	11.957	106	108158	19.408	ug/l	99
70) Styrene	11.969	104	179838	19.220	ug/l	99
71) Bromoform	12.133	173	37762	19.862	ug/l #	99
73) Isopropylbenzene	12.255	105	278686	18.709	ug/l	100
74) N-amyl acetate	12.072	43	45711	17.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	49999	19.909	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	39199m	20.526	ug/l	
77) Bromobenzene	12.536	156	73609	19.556	ug/l	99
78) n-propylbenzene	12.597	91	342371	19.300	ug/l	100
79) 2-Chlorotoluene	12.682	91	195795	18.979	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	237505	19.351	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14889	18.775	ug/l	94
82) 4-Chlorotoluene	12.780	91	210075	19.589	ug/l	100
83) tert-Butylbenzene	12.999	119	202716	18.416	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	237242	19.325	ug/l	99
85) sec-Butylbenzene	13.176	105	312145	19.379	ug/l	99
86) p-Isopropyltoluene	13.292	119	261247	19.100	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	147344	19.274	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	144803	19.125	ug/l	98
89) n-Butylbenzene	13.621	91	228332	18.677	ug/l	99
90) Hexachloroethane	13.883	117	58006	19.303	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	130202	19.527	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7588	18.991	ug/l	92
93) 1,2,4-Trichlorobenzene	14.926	180	68437	18.112	ug/l	99
94) Hexachlorobutadiene	15.029	225	44059	18.952	ug/l	99
95) Naphthalene	15.145	128	103984	16.567	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	57687	17.687	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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