

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021134.D
 Acq On : 07 Feb 2025 12:44
 Operator : SY/MD
 Sample : Q1168-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 08 02:38:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	180481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	290575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	240593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	109680	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	84919	45.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.840%
35) Dibromofluoromethane	7.646	113	82522	44.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.620%
50) Toluene-d8	10.115	98	307095	43.317	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.640%
62) 4-Bromofluorobenzene	12.414	95	94277	40.705	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.400%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.873	85	4005	2.490	ug/l	95
3) Chloromethane	2.074	50	4234	2.667	ug/l	91
4) Vinyl Chloride	2.214	62	4187	2.621	ug/l	89
5) Bromomethane	2.611	94	3381	3.424	ug/l	99
6) Chloroethane	2.751	64	2434	2.559	ug/l	98
7) Trichlorofluoromethane	3.068	101	7245	2.489	ug/l	97
8) Diethyl Ether	3.470	74	2212	2.434	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.824	101	4725	2.586	ug/l	95
10) Methyl Iodide	4.013	142	5004	2.466	ug/l #	88
11) Tert butyl alcohol	4.872	59	2724	21.738	ug/l #	75
12) 1,1-Dichloroethene	3.805	96	4216	2.450	ug/l	88
13) Acrolein	3.671	56	2467	12.785	ug/l	93
14) Allyl chloride	4.391	41	7077	2.440	ug/l	97
15) Acrylonitrile	5.080	53	4406	11.644	ug/l #	92
16) Acetone	3.879	43	3891	13.493	ug/l #	87
17) Carbon Disulfide	4.123	76	13341	2.472	ug/l	97
18) Methyl Acetate	4.391	43	2449	2.419	ug/l #	51
19) Methyl tert-butyl Ether	5.128	73	9481	2.180	ug/l	91
20) Methylene Chloride	4.635	84	4970	2.772	ug/l	94
21) trans-1,2-Dichloroethene	5.128	96	4780	2.523	ug/l	87
22) Diisopropyl ether	6.031	45	13146	2.199	ug/l #	85
23) Vinyl Acetate	5.976	43	33935	10.183	ug/l	97
24) 1,1-Dichloroethane	5.933	63	8612	2.459	ug/l	99
25) 2-Butanone	6.909	43	5672	11.969	ug/l	99
26) 2,2-Dichloropropane	6.902	77	8184	2.525	ug/l	93
27) cis-1,2-Dichloroethene	6.902	96	5132	2.354	ug/l	90
28) Bromochloromethane	7.256	49	4216	3.044	ug/l	94
29) Tetrahydrofuran	7.280	42	3132	9.767	ug/l	98
30) Chloroform	7.427	83	8512	2.366	ug/l	96
31) Cyclohexane	7.713	56	10913	3.460	ug/l #	64
32) 1,1,1-Trichloroethane	7.628	97	8385	2.507	ug/l	99
36) 1,1-Dichloropropene	7.841	75	6668	2.417	ug/l	98
37) Ethyl Acetate	7.000	43	2540m	2.099	ug/l	
38) Carbon Tetrachloride	7.829	117	7340	2.277	ug/l	97
39) Methylcyclohexane	9.116	83	8228	2.439	ug/l	94
40) Benzene	8.091	78	18777	2.320	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	1248	1.783	ug/l #	88
42) 1,2-Dichloroethane	8.171	62	5138	2.288	ug/l	94
43) Isopropyl Acetate	8.207	43	4482	1.864	ug/l #	87
44) Trichloroethene	8.878	130	4868	2.328	ug/l	98
45) 1,2-Dichloropropane	9.152	63	4462	2.322	ug/l #	88
46) Dibromomethane	9.244	93	2382	2.239	ug/l	98
47) Bromodichloromethane	9.433	83	6329	2.218	ug/l	99
48) Methyl methacrylate	9.231	41	2343	2.139	ug/l #	84
49) 1,4-Dioxane	9.237	88	424	42.817	ug/l #	84
51) 4-Methyl-2-Pentanone	10.006	43	11304	9.349	ug/l	94
52) Toluene	10.182	92	11538	2.270	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	5292	2.066	ug/l	94
54) cis-1,3-Dichloropropene	9.865	75	6502	2.144	ug/l	94
55) 1,1,2-Trichloroethane	10.579	97	3052	2.216	ug/l	91
56) Ethyl methacrylate	10.445	69	3223	1.749	ug/l #	80
57) 1,3-Dichloropropane	10.725	76	5201	2.181	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	8224	9.381	ug/l	100
59) 2-Hexanone	10.768	43	6765	8.690	ug/l	92
60) Dibromochloromethane	10.920	129	4205	2.174	ug/l	95
61) 1,2-Dibromoethane	11.024	107	2644	2.049	ug/l	100
64) Tetrachloroethene	10.652	164	4696	2.629	ug/l #	88
65) Chlorobenzene	11.450	112	12598	2.352	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.524	131	4337	2.278	ug/l	96
67) Ethyl Benzene	11.524	91	20849	2.200	ug/l	98
68) m/p-Xylenes	11.633	106	15336	4.326	ug/l	97
69) o-Xylene	11.956	106	7156	2.165	ug/l	96
70) Styrene	11.975	104	11326	2.056	ug/l	97
71) Bromoform	12.139	173	2337	2.205	ug/l #	98
73) Isopropylbenzene	12.261	105	19032	2.221	ug/l	98
74) N-amyl acetate	12.078	43	3599	1.921	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.511	83	3207	2.251	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	2488m	2.501	ug/l	
77) Bromobenzene	12.542	156	4421	2.236	ug/l	97
78) n-propylbenzene	12.603	91	24362	2.387	ug/l	100
79) 2-Chlorotoluene	12.688	91	14101	2.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	15595	2.245	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	900m	1.846	ug/l	
82) 4-Chlorotoluene	12.786	91	14271	2.396	ug/l	100
83) tert-Butylbenzene	13.005	119	14256	2.258	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	14235	2.096	ug/l	97
85) sec-Butylbenzene	13.182	105	20277	2.231	ug/l	98
86) p-Isopropyltoluene	13.298	119	15394	2.039	ug/l	93
87) 1,3-Dichlorobenzene	13.298	146	9388	2.459	ug/l	96
88) 1,4-Dichlorobenzene	13.377	146	9571	2.546	ug/l	86
89) n-Butylbenzene	13.627	91	15364	2.231	ug/l	100
90) Hexachloroethane	13.889	117	3649	2.317	ug/l	84
91) 1,2-Dichlorobenzene	13.670	146	7692	2.321	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	421	1.977	ug/l	91
93) 1,2,4-Trichlorobenzene	14.932	180	3817	2.070	ug/l	96
94) Hexachlorobutadiene	15.029	225	2729	2.233	ug/l	96
95) Naphthalene	15.157	128	6091	2.064	ug/l	98
96) 1,2,3-Trichlorobenzene	15.346	180	3178	2.071	ug/l	92

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

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