

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021152.D
 Acq On : 10 Feb 2025 12:20
 Operator : SY/MD
 Sample : Q1168-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 11 00:28:45 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	161121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	253187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	214168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	100404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	85104	51.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.100%			
35) Dibromofluoromethane	7.640	113	79114	48.758	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.520%			
50) Toluene-d8	10.115	98	298438	48.312	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.620%			
62) 4-Bromofluorobenzene	12.414	95	96503	47.819	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	3629	2.527	ug/l	98
3) Chloromethane	2.074	50	3290	2.322	ug/l	97
4) Vinyl Chloride	2.208	62	3025	2.121	ug/l	98
5) Bromomethane	2.605	94	2310	2.620	ug/l	81
6) Chloroethane	2.739	64	1896	2.233	ug/l	89
7) Trichlorofluoromethane	3.062	101	6134	2.361	ug/l	87
8) Diethyl Ether	3.464	74	2025	2.496	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.824	101	4110	2.520	ug/l	94
10) Methyl Iodide	4.025	142	3716	2.051	ug/l #	88
11) Tert butyl alcohol	4.872	59	2234m	19.970	ug/l	
12) 1,1-Dichloroethene	3.800	96	3560	2.317	ug/l	93
13) Acrolein	3.665	56	1826	10.600	ug/l	94
14) Allyl chloride	4.385	41	6004	2.319	ug/l	94
15) Acrylonitrile	5.080	53	4245	12.567	ug/l	96
16) Acetone	3.879	43	3640	14.139	ug/l	96
17) Carbon Disulfide	4.123	76	9459	1.964	ug/l	99
18) Methyl Acetate	4.397	43	2756	3.050	ug/l #	89
19) Methyl tert-butyl Ether	5.122	73	9444	2.432	ug/l	99
20) Methylene Chloride	4.629	84	4147	2.591	ug/l #	93
21) trans-1,2-Dichloroethene	5.129	96	4109	2.430	ug/l	83
22) Diisopropyl ether	6.031	45	12126	2.272	ug/l	95
23) Vinyl Acetate	5.976	43	33327	11.202	ug/l	95
24) 1,1-Dichloroethane	5.933	63	7558	2.417	ug/l	94
25) 2-Butanone	6.915	43	5446	12.873	ug/l	98
26) 2,2-Dichloropropane	6.897	77	7488	2.588	ug/l	93
27) cis-1,2-Dichloroethene	6.903	96	4758	2.444	ug/l	92
28) Bromochloromethane	7.256	49	3209	2.595	ug/l #	96
29) Tetrahydrofuran	7.268	42	3554	12.415	ug/l	93
30) Chloroform	7.427	83	8104	2.523	ug/l	94
31) Cyclohexane	7.713	56	8995	3.195	ug/l #	67
32) 1,1,1-Trichloroethane	7.622	97	7524	2.520	ug/l	98
36) 1,1-Dichloropropene	7.841	75	5695	2.370	ug/l	99
37) Ethyl Acetate	6.994	43	2572	2.439	ug/l #	95
38) Carbon Tetrachloride	7.823	117	6620	2.357	ug/l	98
39) Methylcyclohexane	9.116	83	6920	2.354	ug/l	95
40) Benzene	8.085	78	17063	2.419	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	1283	2.103	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	5031	2.571	ug/l	95
43) Isopropyl Acetate	8.207	43	5090	2.430	ug/l #	83
44) Trichloroethene	8.872	130	4440	2.437	ug/l	81
45) 1,2-Dichloropropane	9.146	63	4126	2.465	ug/l	91
46) Dibromomethane	9.238	93	2261	2.439	ug/l	98
47) Bromodichloromethane	9.427	83	6193	2.491	ug/l	96
48) Methyl methacrylate	9.225	41	2243	2.350	ug/l #	82
49) 1,4-Dioxane	9.244	88	417	48.328	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	12036	11.425	ug/l	95
52) Toluene	10.176	92	10406	2.350	ug/l	97
53) t-1,3-Dichloropropene	10.402	75	5251	2.353	ug/l	96
54) cis-1,3-Dichloropropene	9.866	75	6115	2.314	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	2984	2.486	ug/l	95
56) Ethyl methacrylate	10.451	69	3262	2.032	ug/l #	77
57) 1,3-Dichloropropane	10.725	76	5069	2.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	8123	10.634	ug/l	98
59) 2-Hexanone	10.768	43	7673	11.312	ug/l	92
60) Dibromochloromethane	10.914	129	3967	2.354	ug/l	96
61) 1,2-Dibromoethane	11.018	107	2692	2.395	ug/l	98
64) Tetrachloroethene	10.658	164	3790	2.384	ug/l	96
65) Chlorobenzene	11.451	112	11686	2.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	4285	2.528	ug/l	98
67) Ethyl Benzene	11.524	91	19541	2.317	ug/l	99
68) m/p-Xylenes	11.633	106	14515	4.600	ug/l	100
69) o-Xylene	11.963	106	6580	2.237	ug/l	95
70) Styrene	11.975	104	11215	2.287	ug/l	98
71) Bromoform	12.133	173	2390	2.534	ug/l #	96
73) Isopropylbenzene	12.261	105	17029	2.171	ug/l	95
74) N-amyl acetate	12.079	43	3635	2.120	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	3473	2.663	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	2523m	2.770	ug/l	
77) Bromobenzene	12.542	156	4527	2.501	ug/l	92
78) n-propylbenzene	12.603	91	22708	2.431	ug/l	99
79) 2-Chlorotoluene	12.688	91	13190	2.465	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	14931	2.348	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	980m	2.196	ug/l	
82) 4-Chlorotoluene	12.786	91	13445	2.466	ug/l	99
83) tert-Butylbenzene	13.005	119	13142	2.274	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	13955	2.244	ug/l	96
85) sec-Butylbenzene	13.182	105	19292	2.319	ug/l	99
86) p-Isopropyltoluene	13.298	119	15558	2.251	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	8640	2.472	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	9075	2.637	ug/l	86
89) n-Butylbenzene	13.627	91	14504	2.300	ug/l	97
90) Hexachloroethane	13.889	117	3557	2.467	ug/l	89
91) 1,2-Dichlorobenzene	13.664	146	7574	2.497	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.279	75	436	2.237	ug/l	93
93) 1,2,4-Trichlorobenzene	14.932	180	3936	2.331	ug/l	97
94) Hexachlorobutadiene	15.029	225	2954	2.640	ug/l	95
95) Naphthalene	15.151	128	6075	2.249	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	3331	2.371	ug/l	97

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

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