

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021189.D
 Acq On : 13 Feb 2025 11:35
 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 14 00:40:53 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 :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	127889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	209644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	175573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	82473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	67699	51.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.340%			
35) Dibromofluoromethane	7.640	113	62376	46.427	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.860%			
50) Toluene-d8	10.109	98	236330	46.204	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.400%			
62) 4-Bromofluorobenzene	12.414	95	75964	45.459	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	4022	3.529	ug/l	99
3) Chloromethane	2.068	50	4434	3.942	ug/l	90
4) Vinyl Chloride	2.208	62	3950	3.489	ug/l #	86
5) Bromomethane	2.604	94	3017	4.312	ug/l	100
6) Chloroethane	2.745	64	2412	3.579	ug/l	95
7) Trichlorofluoromethane	3.062	101	7777	3.771	ug/l	86
8) Diethyl Ether	3.458	74	2424	3.765	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.818	101	5394	4.167	ug/l	98
10) Methyl Iodide	4.019	142	5160	3.588	ug/l	93
11) Tert butyl alcohol	4.866	59	2796m	31.488	ug/l	
12) 1,1-Dichloroethene	3.799	96	4525	3.711	ug/l	95
13) Acrolein	3.659	56	2620	19.161	ug/l	98
14) Allyl chloride	4.397	41	7768	3.780	ug/l	94
15) Acrylonitrile	5.067	53	5239	19.540	ug/l	95
16) Acetone	3.879	43	4847	23.720	ug/l	98
17) Carbon Disulfide	4.116	76	10563	2.763	ug/l	100
18) Methyl Acetate	4.397	43	3312	4.617	ug/l #	88
19) Methyl tert-butyl Ether	5.122	73	12279	3.984	ug/l	99
20) Methylene Chloride	4.616	84	4916	3.870	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	4771	3.554	ug/l	98
22) Diisopropyl ether	6.031	45	16623	3.924	ug/l #	96
23) Vinyl Acetate	5.970	43	43096	18.250	ug/l	96
24) 1,1-Dichloroethane	5.915	63	9773	3.938	ug/l	94
25) 2-Butanone	6.909	43	7357	21.910	ug/l	91
26) 2,2-Dichloropropane	6.884	77	9802	4.268	ug/l	93
27) cis-1,2-Dichloroethene	6.902	96	6093	3.944	ug/l	90
28) Bromochloromethane	7.250	49	4068	4.145	ug/l #	100
29) Tetrahydrofuran	7.262	42	4545	20.003	ug/l	92
30) Chloroform	7.427	83	10525	4.129	ug/l	96
31) Cyclohexane	7.707	56	9878	4.420	ug/l #	73
32) 1,1,1-Trichloroethane	7.622	97	9766	4.121	ug/l	98
36) 1,1-Dichloropropene	7.835	75	6969	3.502	ug/l	96
37) Ethyl Acetate	6.994	43	3586	4.108	ug/l #	92
38) Carbon Tetrachloride	7.817	117	8807	3.788	ug/l	90
39) Methylcyclohexane	9.115	83	7780	3.196	ug/l	93
40) Benzene	8.085	78	21911	3.752	ug/l	92

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41) Methacrylonitrile	7.219	41	1793	3.550	ug/l	95
42) 1,2-Dichloroethane	8.164	62	6340	3.914	ug/l	98
43) Isopropyl Acetate	8.207	43	6824	3.934	ug/l #	83
44) Trichloroethene	8.865	130	5493	3.641	ug/l	86
45) 1,2-Dichloropropane	9.146	63	5522	3.984	ug/l	97
46) Dibromomethane	9.237	93	2723	3.548	ug/l	93
47) Bromodichloromethane	9.426	83	7828	3.803	ug/l #	93
48) Methyl methacrylate	9.231	41	3079	3.897	ug/l	90
49) 1,4-Dioxane	9.250	88	562	78.661	ug/l #	88
51) 4-Methyl-2-Pentanone	10.006	43	16287	18.671	ug/l	97
52) Toluene	10.176	92	13602	3.709	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	6668	3.608	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	7952	3.634	ug/l #	84
55) 1,1,2-Trichloroethane	10.579	97	3931	3.955	ug/l	97
56) Ethyl methacrylate	10.444	69	4502	3.386	ug/l	89
57) 1,3-Dichloropropane	10.725	76	6485	3.770	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	10481	16.570	ug/l	100
59) 2-Hexanone	10.768	43	10183	18.131	ug/l	89
60) Dibromochloromethane	10.914	129	5449	3.904	ug/l	96
61) 1,2-Dibromoethane	11.018	107	3373	3.623	ug/l	94
64) Tetrachloroethene	10.652	164	5086	3.902	ug/l	88
65) Chlorobenzene	11.444	112	14751	3.773	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	5506	3.963	ug/l	99
67) Ethyl Benzene	11.524	91	24466	3.538	ug/l	99
68) m/p-Xylenes	11.633	106	18256	7.057	ug/l	96
69) o-Xylene	11.962	106	8608	3.569	ug/l	99
70) Styrene	11.975	104	14332	3.565	ug/l	96
71) Bromoform	12.139	173	3188	4.123	ug/l #	98
73) Isopropylbenzene	12.261	105	22903	3.555	ug/l	98
74) N-amyl acetate	12.078	43	5253	3.730	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	4388	4.095	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	3256m	4.352	ug/l	
77) Bromobenzene	12.536	156	5613	3.776	ug/l	95
78) n-propylbenzene	12.603	91	28756	3.747	ug/l	98
79) 2-Chlorotoluene	12.682	91	16586	3.773	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	18488	3.540	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	1411	3.848	ug/l	94
82) 4-Chlorotoluene	12.786	91	16745	3.739	ug/l	99
83) tert-Butylbenzene	13.005	119	17302	3.644	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	18675	3.657	ug/l	95
85) sec-Butylbenzene	13.182	105	24382	3.568	ug/l	98
86) p-Isopropyltoluene	13.298	119	20033	3.529	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	11700	4.076	ug/l	98
88) 1,4-Dichlorobenzene	13.377	146	11604	4.106	ug/l	89
89) n-Butylbenzene	13.621	91	18991	3.667	ug/l	100
90) Hexachloroethane	13.883	117	4838	4.085	ug/l	87
91) 1,2-Dichlorobenzene	13.663	146	9484	3.807	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.279	75	728	4.547	ug/l	77
93) 1,2,4-Trichlorobenzene	14.931	180	4894	3.529	ug/l	99
94) Hexachlorobutadiene	15.029	225	3561	3.875	ug/l	96
95) Naphthalene	15.151	128	7193	3.242	ug/l	96
96) 1,2,3-Trichlorobenzene	15.340	180	4267	3.697	ug/l	94

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

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