

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY0211025\
 Data File : VY021153.D
 Acq On : 10 Feb 2025 13:05
 Operator : SY/MD
 Sample : Q1168-03 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 11 00:29:42 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	143783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	228631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	190868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	77841	52.839	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.680%			
35) Dibromofluoromethane	7.640	113	73766	50.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.680%			
50) Toluene-d8	10.109	98	278151	49.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.408	95	90051	49.414	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	5495	4.288	ug/l	89
3) Chloromethane	2.074	50	4850	3.835	ug/l	93
4) Vinyl Chloride	2.208	62	4869	3.825	ug/l	89
5) Bromomethane	2.598	94	3398	4.319	ug/l	83
6) Chloroethane	2.739	64	2967	3.916	ug/l	100
7) Trichlorofluoromethane	3.068	101	9759	4.209	ug/l	94
8) Diethyl Ether	3.458	74	3038	4.197	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.824	101	6339	4.356	ug/l #	84
10) Methyl Iodide	4.019	142	5671	3.507	ug/l	92
11) Tert butyl alcohol	4.854	59	3177m	31.824	ug/l	
12) 1,1-Dichloroethene	3.793	96	5377	3.922	ug/l	85
13) Acrolein	3.653	56	3062	19.918	ug/l	99
14) Allyl chloride	4.397	41	9303	4.026	ug/l	93
15) Acrylonitrile	5.068	53	6479	21.493	ug/l	97
16) Acetone	3.873	43	5673	24.693	ug/l	96
17) Carbon Disulfide	4.110	76	14881	3.462	ug/l	100
18) Methyl Acetate	4.391	43	3769	4.673	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	14742	4.254	ug/l	95
20) Methylene Chloride	4.629	84	6293	4.406	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	6037	4.000	ug/l	94
22) Diisopropyl ether	6.025	45	19481	4.091	ug/l	96
23) Vinyl Acetate	5.964	43	49879	18.788	ug/l	98
24) 1,1-Dichloroethane	5.921	63	11572	4.147	ug/l	99
25) 2-Butanone	6.903	43	8423	22.311	ug/l	90
26) 2,2-Dichloropropane	6.890	77	10937	4.236	ug/l #	75
27) cis-1,2-Dichloroethene	6.896	96	7161	4.123	ug/l	92
28) Bromochloromethane	7.256	49	5252	4.760	ug/l #	97
29) Tetrahydrofuran	7.268	42	5704	22.329	ug/l	90
30) Chloroform	7.433	83	12451	4.344	ug/l	98
31) Cyclohexane	7.707	56	12221	4.864	ug/l #	84
32) 1,1,1-Trichloroethane	7.622	97	11900	4.466	ug/l	97
36) 1,1-Dichloropropene	7.841	75	8651	3.986	ug/l	97
37) Ethyl Acetate	6.994	43	4098	4.304	ug/l #	77
38) Carbon Tetrachloride	7.823	117	10867	4.285	ug/l	93
39) Methylcyclohexane	9.110	83	10698	4.030	ug/l	98
40) Benzene	8.085	78	25558	4.013	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	1797	3.263	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	7307	4.136	ug/l	97
43) Isopropyl Acetate	8.201	43	7561	3.997	ug/l	98
44) Trichloroethene	8.872	130	6572	3.994	ug/l	96
45) 1,2-Dichloropropane	9.146	63	6498	4.299	ug/l	99
46) Dibromomethane	9.238	93	3364	4.019	ug/l	94
47) Bromodichloromethane	9.427	83	9737	4.338	ug/l	89
48) Methyl methacrylate	9.225	41	3574	4.148	ug/l	91
49) 1,4-Dioxane	9.238	88	630	80.856	ug/l #	69
51) 4-Methyl-2-Pentanone	10.000	43	18918	19.886	ug/l	96
52) Toluene	10.176	92	16149	4.038	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	7882	3.911	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	9149	3.834	ug/l #	79
55) 1,1,2-Trichloroethane	10.579	97	4848	4.473	ug/l	93
56) Ethyl methacrylate	10.445	69	5147	3.550	ug/l #	85
57) 1,3-Dichloropropane	10.725	76	7674	4.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	12616	18.289	ug/l	96
59) 2-Hexanone	10.768	43	11587	18.917	ug/l	95
60) Dibromochloromethane	10.914	129	6156	4.044	ug/l	98
61) 1,2-Dibromoethane	11.018	107	4175	4.112	ug/l	99
64) Tetrachloroethene	10.652	164	5898	4.163	ug/l	94
65) Chlorobenzene	11.444	112	17296	4.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	6234	4.128	ug/l	96
67) Ethyl Benzene	11.524	91	29976	3.988	ug/l	99
68) m/p-Xylenes	11.633	106	22062	7.845	ug/l	98
69) o-Xylene	11.957	106	10184	3.884	ug/l	97
70) Styrene	11.975	104	16726	3.828	ug/l	99
71) Bromoform	12.133	173	3669	4.364	ug/l #	97
73) Isopropylbenzene	12.255	105	27512	3.945	ug/l	99
74) N-amyl acetate	12.078	43	5423	3.557	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	5043	4.348	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	3486m	4.304	ug/l	
77) Bromobenzene	12.536	156	6579	4.088	ug/l	93
78) n-propylbenzene	12.597	91	34178	4.114	ug/l	98
79) 2-Chlorotoluene	12.682	91	19456	4.089	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	22718	4.018	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	1442m	3.633	ug/l	
82) 4-Chlorotoluene	12.780	91	19007	3.920	ug/l	100
83) tert-Butylbenzene	12.999	119	20156	3.922	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	21259	3.845	ug/l	98
85) sec-Butylbenzene	13.176	105	29569	3.997	ug/l	97
86) p-Isopropyltoluene	13.298	119	23920	3.892	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	12963	4.171	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	12708	4.153	ug/l	90
89) n-Butylbenzene	13.621	91	21289	3.797	ug/l	99
90) Hexachloroethane	13.883	117	5521	4.306	ug/l	89
91) 1,2-Dichlorobenzene	13.664	146	11037	4.092	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	717	4.137	ug/l	94
93) 1,2,4-Trichlorobenzene	14.926	180	5413	3.605	ug/l	99
94) Hexachlorobutadiene	15.029	225	4048	4.069	ug/l	96
95) Naphthalene	15.151	128	8050	3.351	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	4694	3.757	ug/l	97

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

