

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022458.D
 Acq On : 29 May 2025 11:38
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: May 30 06:48:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	201989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	354437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113238	53.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.440%			
35) Dibromofluoromethane	7.640	113	102892	49.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.109	98	418106	49.412	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.408	95	118499	46.297	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	8578	4.451	ug/l	99
3) Chloromethane	2.068	50	26424	5.574	ug/l	98
4) Vinyl Chloride	2.208	62	29205	5.072	ug/l	99
5) Bromomethane	2.598	94	27194	5.197	ug/l	93
6) Chloroethane	2.732	64	18850	5.009	ug/l	96
7) Trichlorofluoromethane	3.056	101	23564	4.850	ug/l	95
8) Diethyl Ether	3.458	74	5420	4.838	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	11007	5.164	ug/l	97
10) Methyl Iodide	4.007	142	8822	3.668	ug/l	95
11) Tert butyl alcohol	4.891	59	3555m	23.705	ug/l	
12) 1,1-Dichloroethene	3.787	96	9458	4.469	ug/l	89
13) Acrolein	3.659	56	4665	20.761	ug/l	88
14) Allyl chloride	4.391	41	14248	4.476	ug/l	96
15) Acrylonitrile	5.067	53	10156	22.490	ug/l	97
16) Acetone	3.879	43	8960	25.629	ug/l	92
17) Carbon Disulfide	4.110	76	30446	4.508	ug/l #	93
18) Methyl Acetate	4.397	43	5905m	4.509	ug/l	
19) Methyl tert-butyl Ether	5.128	73	25226	4.490	ug/l #	89
20) Methylene Chloride	4.622	84	13353	5.409	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	10690	4.627	ug/l	87
22) Diisopropyl ether	6.018	45	31008	4.413	ug/l #	91
23) Vinyl Acetate	5.964	43	85441	21.179	ug/l	98
24) 1,1-Dichloroethane	5.921	63	18061	4.350	ug/l	97
25) 2-Butanone	6.908	43	12669	21.759	ug/l #	87
26) 2,2-Dichloropropane	6.896	77	16071	4.275	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	12239	4.576	ug/l	96
28) Bromochloromethane	7.250	49	7917	4.567	ug/l	98
29) Tetrahydrofuran	7.262	42	8823	22.721	ug/l	95
30) Chloroform	7.421	83	18625	4.553	ug/l	96
31) Cyclohexane	7.707	56	23741	5.801	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	16426	4.424	ug/l	96
36) 1,1-Dichloropropene	7.835	75	14377	4.365	ug/l	98
37) Ethyl Acetate	6.988	43	6752	4.824	ug/l #	95
38) Carbon Tetrachloride	7.817	117	14347	4.181	ug/l	94
39) Methylcyclohexane	9.109	83	20813	4.754	ug/l	96
40) Benzene	8.079	78	43399	4.428	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3947m	4.646	ug/l	
42) 1,2-Dichloroethane	8.158	62	11561	4.466	ug/l	100
43) Isopropyl Acetate	8.201	43	12947	4.233	ug/l	96
44) Trichloroethene	8.872	130	10496	4.332	ug/l	100
45) 1,2-Dichloropropane	9.140	63	9972	4.330	ug/l	94
46) Dibromomethane	9.231	93	5376	4.179	ug/l	94
47) Bromodichloromethane	9.426	83	13831	4.181	ug/l	95
48) Methyl methacrylate	9.219	41	5816	4.096	ug/l	93
49) 1,4-Dioxane	9.237	88	1357	95.507	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	29539	19.572	ug/l	100
52) Toluene	10.176	92	25784	4.212	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	11891	3.859	ug/l	90
54) cis-1,3-Dichloropropene	9.853	75	14560	4.021	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	6805	4.184	ug/l	97
56) Ethyl methacrylate	10.444	69	8936	3.829	ug/l	96
57) 1,3-Dichloropropane	10.719	76	12164	4.244	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	23230	19.971	ug/l	99
59) 2-Hexanone	10.761	43	19039	19.249	ug/l	100
60) Dibromochloromethane	10.914	129	8582	4.131	ug/l	93
61) 1,2-Dibromoethane	11.018	107	6316	4.246	ug/l	98
64) Tetrachloroethene	10.646	164	11220	4.510	ug/l	97
65) Chlorobenzene	11.444	112	27268	4.378	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	8631	4.090	ug/l	95
67) Ethyl Benzene	11.517	91	48002	4.150	ug/l	97
68) m/p-Xylenes	11.627	106	35996	8.209	ug/l	98
69) o-Xylene	11.956	106	16896	4.100	ug/l	98
70) Styrene	11.969	104	27403	3.993	ug/l	97
71) Bromoform	12.133	173	4227	3.824	ug/l #	98
73) Isopropylbenzene	12.255	105	45607	4.549	ug/l	100
74) N-amyl acetate	12.072	43	10334	4.212	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	6806	4.308	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	6473m	5.072	ug/l	
77) Bromobenzene	12.529	156	9715	4.502	ug/l	98
78) n-propylbenzene	12.596	91	56627	4.706	ug/l	99
79) 2-Chlorotoluene	12.682	91	29813	4.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	36238	4.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2236	3.963	ug/l	98
82) 4-Chlorotoluene	12.779	91	31110	4.637	ug/l	98
83) tert-Butylbenzene	12.999	119	34440	4.866	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	35640	4.521	ug/l	98
85) sec-Butylbenzene	13.176	105	51105	4.868	ug/l	100
86) p-Isopropyltoluene	13.291	119	39893	4.551	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	19083	4.395	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	19587	4.718	ug/l	88
89) n-Butylbenzene	13.621	91	39214	4.771	ug/l	99
90) Hexachloroethane	13.883	117	8894	5.099	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	16643	4.590	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1166	4.777	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	10009	4.979	ug/l	96
94) Hexachlorobutadiene	15.023	225	6457	6.120	ug/l	94
95) Naphthalene	15.145	128	15989	4.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	8206	4.977	ug/l	96

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

