

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022457.D
 Acq On : 29 May 2025 10:53
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 30 06:47:17 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	198280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	352354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113410	54.302	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.600%			
35) Dibromofluoromethane	7.640	113	103013	49.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.840%			
50) Toluene-d8	10.109	98	417358	49.615	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.220%			
62) 4-Bromofluorobenzene	12.407	95	116819	45.911	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	5229	2.764	ug/l	86
3) Chloromethane	2.068	50	17119	3.679	ug/l	91
4) Vinyl Chloride	2.202	62	19141	3.386	ug/l	91
5) Bromomethane	2.604	94	19604	3.816	ug/l	94
6) Chloroethane	2.738	64	12641	3.422	ug/l	98
7) Trichlorofluoromethane	3.055	101	13666	2.865	ug/l	100
8) Diethyl Ether	3.458	74	3527	3.207	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	6178	2.953	ug/l	97
10) Methyl Iodide	4.007	142	5492	2.326	ug/l	98
11) Tert butyl alcohol	4.878	59	2441m	16.582	ug/l	
12) 1,1-Dichloroethene	3.793	96	5834	2.808	ug/l	90
13) Acrolein	3.659	56	3214	14.571	ug/l	97
14) Allyl chloride	4.385	41	9419	3.014	ug/l	97
15) Acrylonitrile	5.061	53	6487	14.634	ug/l	94
16) Acetone	3.879	43	5703	16.618	ug/l	100
17) Carbon Disulfide	4.110	76	18702	2.821	ug/l	97
18) Methyl Acetate	4.403	43	6778m	5.272	ug/l	
19) Methyl tert-butyl Ether	5.116	73	16414	2.976	ug/l	100
20) Methylene Chloride	4.622	84	8938	3.688	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	6477	2.856	ug/l	89
22) Diisopropyl ether	6.031	45	19565	2.837	ug/l	91
23) Vinyl Acetate	5.970	43	47813	12.074	ug/l #	91
24) 1,1-Dichloroethane	5.915	63	12108	2.971	ug/l	94
25) 2-Butanone	6.908	43	8222	14.385	ug/l	93
26) 2,2-Dichloropropane	6.890	77	9953	2.697	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	7337	2.794	ug/l	98
28) Bromochloromethane	7.250	49	4873	2.863	ug/l	98
29) Tetrahydrofuran	7.274	42	5655	14.835	ug/l	97
30) Chloroform	7.427	83	12260	3.053	ug/l	91
31) Cyclohexane	7.707	56	15496	3.857	ug/l #	67
32) 1,1,1-Trichloroethane	7.628	97	10454	2.868	ug/l	98
36) 1,1-Dichloropropene	7.847	75	9114	2.783	ug/l	96
37) Ethyl Acetate	7.000	43	4183	3.006	ug/l #	92
38) Carbon Tetrachloride	7.823	117	8517	2.497	ug/l	92
39) Methylcyclohexane	9.115	83	10314	2.370	ug/l	92
40) Benzene	8.085	78	25739	2.642	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022457.D
 Acq On : 29 May 2025 10:53
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 30 06:47:17 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)
41) Methacrylonitrile	7.232	41	2493m	2.952	ug/l	
42) 1,2-Dichloroethane	8.164	62	6872	2.671	ug/l	94
43) Isopropyl Acetate	8.201	43	7429	2.443	ug/l #	93
44) Trichloroethene	8.872	130	6547	2.718	ug/l	84
45) 1,2-Dichloropropane	9.146	63	6134	2.680	ug/l	97
46) Dibromomethane	9.231	93	3097	2.422	ug/l #	88
47) Bromodichloromethane	9.426	83	9133	2.777	ug/l	95
48) Methyl methacrylate	9.225	41	3565	2.526	ug/l #	84
49) 1,4-Dioxane	9.231	88	772	54.655	ug/l #	67
51) 4-Methyl-2-Pentanone	9.999	43	19165	12.774	ug/l	99
52) Toluene	10.176	92	15614	2.566	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	7446	2.431	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	9081	2.523	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	4192	2.593	ug/l	93
56) Ethyl methacrylate	10.444	69	5597	2.412	ug/l	96
57) 1,3-Dichloropropane	10.719	76	7545	2.648	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	14026	12.129	ug/l	98
59) 2-Hexanone	10.761	43	12244	12.452	ug/l	98
60) Dibromochloromethane	10.914	129	5122	2.480	ug/l	95
61) 1,2-Dibromoethane	11.017	107	4054	2.741	ug/l	94
64) Tetrachloroethene	10.646	164	6703	2.705	ug/l	96
65) Chlorobenzene	11.444	112	16199	2.611	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	5614	2.670	ug/l	98
67) Ethyl Benzene	11.523	91	28139	2.442	ug/l	98
68) m/p-Xylenes	11.633	106	21733	4.975	ug/l	95
69) o-Xylene	11.956	106	9905	2.413	ug/l	96
70) Styrene	11.969	104	16871	2.468	ug/l	98
71) Bromoform	12.133	173	2803	2.546	ug/l #	91
73) Isopropylbenzene	12.255	105	24537	2.456	ug/l	98
74) N-amyl acetate	12.072	43	5800	2.373	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	4269	2.712	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	2897m	2.278	ug/l	
77) Bromobenzene	12.536	156	5914	2.751	ug/l	96
78) n-propylbenzene	12.596	91	30670	2.558	ug/l	98
79) 2-Chlorotoluene	12.682	91	17223	2.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	19993	2.561	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	1756m	3.123	ug/l	
82) 4-Chlorotoluene	12.779	91	17809	2.664	ug/l	100
83) tert-Butylbenzene	12.999	119	17669	2.505	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	20090	2.557	ug/l	95
85) sec-Butylbenzene	13.176	105	26340	2.518	ug/l	99
86) p-Isopropyltoluene	13.291	119	21314	2.440	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	10946	2.530	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	11119	2.688	ug/l	81
89) n-Butylbenzene	13.621	91	20875	2.549	ug/l	98
90) Hexachloroethane	13.877	117	4019	2.312	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	9358	2.590	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.279	75	661	2.718	ug/l	87
93) 1,2,4-Trichlorobenzene	14.925	180	4930	2.461	ug/l	92
94) Hexachlorobutadiene	15.017	225	2781	2.646	ug/l	93
95) Naphthalene	15.145	128	8951	2.417	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	4474	2.723	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022457.D
Acq On : 29 May 2025 10:53
Operator : SY/MD
Sample : Q2126-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
APPROVED

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

Quant Time: May 30 06:47:17 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

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

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

