

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022543.D
 Acq On : 04 Jun 2025 12:16
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 05 04:12:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	172186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	307202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	253215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103404	53.694	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.634	113	93597	51.045	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.080%			
50) Toluene-d8	10.103	98	376762	50.852	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.407	95	105015	47.572	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	6914	4.485	ug/l	97
3) Chloromethane	2.068	50	18291	4.016	ug/l	94
4) Vinyl Chloride	2.202	62	25098	4.750	ug/l	97
5) Bromomethane	2.592	94	24971	4.931	ug/l	88
6) Chloroethane	2.738	64	16785	4.629	ug/l	94
7) Trichlorofluoromethane	3.049	101	21775	4.855	ug/l	100
8) Diethyl Ether	3.458	74	4564	4.519	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	8256	4.371	ug/l	96
10) Methyl Iodide	4.000	142	7798	3.815	ug/l	93
11) Tert butyl alcohol	4.860	59	3234	23.512	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	8344	4.621	ug/l	81
13) Acrolein	3.647	56	3304	19.274	ug/l	93
14) Allyl chloride	4.378	41	12263	4.326	ug/l	98
15) Acrylonitrile	5.061	53	9302	21.745	ug/l	96
16) Acetone	3.866	43	7260	18.563	ug/l	95
17) Carbon Disulfide	4.104	76	24186	4.184	ug/l	100
18) Methyl Acetate	4.391	43	6163	5.321	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	21040	4.137	ug/l	92
20) Methylene Chloride	4.610	84	10079	4.537	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	8784	4.347	ug/l	94
22) Diisopropyl ether	6.018	45	25966	4.115	ug/l	99
23) Vinyl Acetate	5.957	43	71604	19.174	ug/l	94
24) 1,1-Dichloroethane	5.915	63	15976	4.298	ug/l	98
25) 2-Butanone	6.890	43	11549	20.472	ug/l	93
26) 2,2-Dichloropropane	6.878	77	13921	4.239	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	10135	4.339	ug/l	97
28) Bromochloromethane	7.244	49	7117	4.392	ug/l #	95
29) Tetrahydrofuran	7.256	42	7631	20.973	ug/l	96
30) Chloroform	7.414	83	15667	4.255	ug/l	86
31) Cyclohexane	7.701	56	19408	5.245	ug/l #	92
32) 1,1,1-Trichloroethane	7.622	97	14151	4.330	ug/l	98
36) 1,1-Dichloropropene	7.841	75	12175	4.091	ug/l	98
37) Ethyl Acetate	6.976	43	5622	4.236	ug/l #	73
38) Carbon Tetrachloride	7.817	117	12010	3.934	ug/l	98
39) Methylcyclohexane	9.103	83	14818	3.705	ug/l	97
40) Benzene	8.079	78	36604	4.164	ug/l	100

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41) Methacrylonitrile	7.244	41	3710m	4.786	ug/l	
42) 1,2-Dichloroethane	8.152	62	10305	4.294	ug/l	98
43) Isopropyl Acetate	8.201	43	11542	4.027	ug/l #	95
44) Trichloroethene	8.859	130	8497	3.955	ug/l	98
45) 1,2-Dichloropropane	9.140	63	8165	3.931	ug/l	95
46) Dibromomethane	9.225	93	4900	4.193	ug/l	99
47) Bromodichloromethane	9.420	83	12239	4.130	ug/l #	94
48) Methyl methacrylate	9.225	41	5090	3.784	ug/l	98
49) 1,4-Dioxane	9.231	88	1007	72.732	ug/l #	65
51) 4-Methyl-2-Pentanone	9.999	43	24587	17.205	ug/l	96
52) Toluene	10.170	92	21148	3.829	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	9425	3.395	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	12535	3.878	ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	5921	3.973	ug/l	96
56) Ethyl methacrylate	10.438	69	7326	3.401	ug/l	92
57) 1,3-Dichloropropane	10.713	76	10363	3.924	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	19535	19.977	ug/l	99
59) 2-Hexanone	10.761	43	17144	17.938	ug/l	97
60) Dibromochloromethane	10.908	129	7132	3.766	ug/l	99
61) 1,2-Dibromoethane	11.017	107	4999	3.680	ug/l	96
64) Tetrachloroethene	10.652	164	8376	3.845	ug/l #	89
65) Chlorobenzene	11.438	112	21621	3.859	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.517	131	7743	4.102	ug/l	97
67) Ethyl Benzene	11.517	91	39221	3.774	ug/l	96
68) m/p-Xylenes	11.627	106	28111	7.135	ug/l	100
69) o-Xylene	11.950	106	13600	3.682	ug/l	98
70) Styrene	11.969	104	21921	3.590	ug/l	99
71) Bromoform	12.133	173	3698	3.681	ug/l #	95
73) Isopropylbenzene	12.255	105	34369	3.710	ug/l	97
74) N-amyl acetate	12.072	43	9045	3.870	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	6249	4.110	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	5494m	4.256	ug/l	
77) Bromobenzene	12.529	156	8032	4.109	ug/l	98
78) n-propylbenzene	12.596	91	42743	3.778	ug/l	97
79) 2-Chlorotoluene	12.676	91	22873	3.814	ug/l	94
80) 1,3,5-Trimethylbenzene	12.731	105	26222	3.606	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.304	75	1972	3.689	ug/l	98
82) 4-Chlorotoluene	12.773	91	23426	3.787	ug/l	98
83) tert-Butylbenzene	12.999	119	25148	3.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	27288	3.751	ug/l	94
85) sec-Butylbenzene	13.170	105	36020	3.603	ug/l	99
86) p-Isopropyltoluene	13.291	119	28563	3.466	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	14936	3.771	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	15131	3.939	ug/l	90
89) n-Butylbenzene	13.615	91	28513	3.647	ug/l	98
90) Hexachloroethane	13.877	117	6256	3.900	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	13045	3.879	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	937	4.233	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	6870	3.746	ug/l	96
94) Hexachlorobutadiene	15.023	225	3645	3.601	ug/l	93
95) Naphthalene	15.145	128	12506	3.553	ug/l	97
96) 1,2,3-Trichlorobenzene	15.322	180	6428	4.090	ug/l	97

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

