

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022542.D
 Acq On : 04 Jun 2025 11:53
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 05 04:11:56 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	170451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	304063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	249953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	100987	52.973	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.940%			
35) Dibromofluoromethane	7.634	113	90899	50.085	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.180%			
50) Toluene-d8	10.109	98	364099	49.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.300%			
62) 4-Bromofluorobenzene	12.408	95	101800	46.591	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	5040	3.303	ug/l	92
3) Chloromethane	2.068	50	12968	2.876	ug/l	94
4) Vinyl Chloride	2.202	62	18108	3.462	ug/l	93
5) Bromomethane	2.592	94	18830	3.756	ug/l	94
6) Chloroethane	2.732	64	12502	3.483	ug/l	96
7) Trichlorofluoromethane	3.049	101	14733	3.318	ug/l	99
8) Diethyl Ether	3.446	74	3111	3.111	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.818	101	6186	3.308	ug/l	96
10) Methyl Iodide	4.001	142	5407	2.672	ug/l	95
11) Tert butyl alcohol	4.872	59	2441m	17.927	ug/l	
12) 1,1-Dichloroethene	3.781	96	5472	3.061	ug/l #	80
13) Acrolein	3.647	56	2102	12.387	ug/l #	75
14) Allyl chloride	4.372	41	8841	3.151	ug/l	98
15) Acrylonitrile	5.055	53	6376	15.057	ug/l	96
16) Acetone	3.866	43	5574	14.397	ug/l	97
17) Carbon Disulfide	4.104	76	17674	3.088	ug/l	96
18) Methyl Acetate	4.391	43	4203	3.666	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	14439	2.868	ug/l #	90
20) Methylene Chloride	4.610	84	9283	4.221	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	6208	3.103	ug/l	90
22) Diisopropyl ether	6.018	45	17532	2.807	ug/l	94
23) Vinyl Acetate	5.957	43	48653	13.161	ug/l	98
24) 1,1-Dichloroethane	5.909	63	10811	2.938	ug/l #	96
25) 2-Butanone	6.896	43	7487	13.407	ug/l #	87
26) 2,2-Dichloropropane	6.884	77	9730	2.993	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	7333	3.171	ug/l	96
28) Bromochloromethane	7.244	49	4889	3.048	ug/l #	60
29) Tetrahydrofuran	7.268	42	5757	15.983	ug/l	94
30) Chloroform	7.421	83	11241	3.084	ug/l	88
31) Cyclohexane	7.707	56	14312	3.907	ug/l #	70
32) 1,1,1-Trichloroethane	7.616	97	9697	2.997	ug/l	99
36) 1,1-Dichloropropene	7.835	75	8257	2.803	ug/l	96
37) Ethyl Acetate	6.982	43	3765	2.866	ug/l #	89
38) Carbon Tetrachloride	7.823	117	8305	2.748	ug/l	97
39) Methylcyclohexane	9.103	83	10852	2.742	ug/l	98
40) Benzene	8.085	78	24987	2.872	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	2343m	3.054	ug/l	
42) 1,2-Dichloroethane	8.158	62	6693	2.818	ug/l	96
43) Isopropyl Acetate	8.195	43	7635	2.691	ug/l #	85
44) Trichloroethene	8.866	130	6196	2.914	ug/l	94
45) 1,2-Dichloropropane	9.146	63	6152	2.992	ug/l	91
46) Dibromomethane	9.231	93	3625	3.134	ug/l	92
47) Bromodichloromethane	9.420	83	8052	2.745	ug/l #	88
48) Methyl methacrylate	9.225	41	3267	2.454	ug/l	92
49) 1,4-Dioxane	9.237	88	718m	52.394	ug/l	
51) 4-Methyl-2-Pentanone	9.999	43	17220	12.175	ug/l	98
52) Toluene	10.170	92	14472	2.647	ug/l	93
53) t-1,3-Dichloropropene	10.390	75	6668	2.426	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	8320	2.601	ug/l	96
55) 1,1,2-Trichloroethane	10.566	97	4241	2.875	ug/l	89
56) Ethyl methacrylate	10.438	69	4829	2.265	ug/l	90
57) 1,3-Dichloropropane	10.719	76	6992	2.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	12515	12.930	ug/l	95
59) 2-Hexanone	10.762	43	11132	11.768	ug/l	96
60) Dibromochloromethane	10.914	129	4828	2.576	ug/l	96
61) 1,2-Dibromoethane	11.018	107	3699	2.751	ug/l	92
64) Tetrachloroethene	10.646	164	6884	3.202	ug/l	92
65) Chlorobenzene	11.438	112	15829	2.862	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	4778	2.564	ug/l	96
67) Ethyl Benzene	11.517	91	28147	2.744	ug/l	94
68) m/p-Xylenes	11.627	106	19763	5.082	ug/l	93
69) o-Xylene	11.956	106	9823	2.694	ug/l	97
70) Styrene	11.969	104	15409	2.557	ug/l	98
71) Bromoform	12.133	173	2825	2.849	ug/l #	97
73) Isopropylbenzene	12.255	105	25887	2.839	ug/l	99
74) N-amyl acetate	12.072	43	5821	2.530	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	4120	2.753	ug/l	98
76) 1,2,3-Trichloropropane	12.566	75	3173m	2.497	ug/l	
77) Bromobenzene	12.536	156	5496	2.856	ug/l	91
78) n-propylbenzene	12.597	91	32160	2.888	ug/l	99
79) 2-Chlorotoluene	12.682	91	17839	3.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	19394	2.709	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	1422m	2.703	ug/l	
82) 4-Chlorotoluene	12.773	91	17559	2.884	ug/l	100
83) tert-Butylbenzene	12.999	119	17810	2.772	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	20130	2.812	ug/l	100
85) sec-Butylbenzene	13.170	105	27883	2.834	ug/l	98
86) p-Isopropyltoluene	13.292	119	22219	2.739	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	11813	3.030	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	11654	3.082	ug/l	88
89) n-Butylbenzene	13.615	91	21253	2.762	ug/l	96
90) Hexachloroethane	13.877	117	5004	3.169	ug/l	92
91) 1,2-Dichlorobenzene	13.663	146	9614	2.905	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.273	75	647	2.969	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	5771	3.197	ug/l	99
94) Hexachlorobutadiene	15.017	225	3636	3.649	ug/l	93
95) Naphthalene	15.145	128	10743	3.101	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	4416	2.854	ug/l	82

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

