

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080485.D
 Acq On : 26 Jun 2025 16:50
 Operator : RP/MD
 Sample : Q2126-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jun 27 05:47:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:45:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	402611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	769059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	676780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	303593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	221668	56.161	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.320%			
35) Dibromofluoromethane	7.805	113	235794	54.754	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.500%			
50) Toluene-d8	10.264	98	947905	54.486	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.980%			
62) 4-Bromofluorobenzene	12.570	95	304475	53.375	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	14433	4.032	ug/l	92
3) Chloromethane	2.147	50	23233	4.648	ug/l	93
4) Vinyl Chloride	2.288	62	22569	4.451	ug/l	90
5) Bromomethane	2.694	94	15233	5.435	ug/l	94
6) Chloroethane	2.841	64	17939m	5.636	ug/l	
7) Trichlorofluoromethane	3.182	101	26154	4.100	ug/l	91
8) Diethyl Ether	3.594	74	10569	4.256	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.965	101	17766	4.210	ug/l	98
10) Methyl Iodide	4.159	142	19678	3.960	ug/l	95
11) Tert butyl alcohol	5.047	59	7549	23.490	ug/l	97
12) 1,1-Dichloroethene	3.947	96	19796	4.345	ug/l	97
13) Acrolein	3.800	56	3819	8.720	ug/l #	15
14) Allyl chloride	4.564	41	35484m	4.447	ug/l	
15) Acrylonitrile	5.259	53	26408	22.352	ug/l	98
16) Acetone	4.029	43	20966m	20.559	ug/l	
17) Carbon Disulfide	4.270	76	61319	4.261	ug/l	98
18) Methyl Acetate	4.570	43	18880	6.086	ug/l	93
19) Methyl tert-butyl Ether	5.317	73	48830	4.312	ug/l	93
20) Methylene Chloride	4.806	84	48404	7.582	ug/l	90
21) trans-1,2-Dichloroethene	5.306	96	22813	4.489	ug/l #	89
22) Diisopropyl ether	6.217	45	69320	4.500	ug/l	98
23) Vinyl Acetate	6.159	43	179752	20.478	ug/l	96
24) 1,1-Dichloroethane	6.117	63	40060	4.432	ug/l	95
25) 2-Butanone	7.088	43	31938	21.338	ug/l #	88
26) 2,2-Dichloropropane	7.070	77	29630	4.142	ug/l	99
27) cis-1,2-Dichloroethene	7.076	96	27125	4.464	ug/l	98
28) Bromochloromethane	7.429	49	16689	4.683	ug/l	95
29) Tetrahydrofuran	7.453	42	20606	21.852	ug/l	99
30) Chloroform	7.600	83	38411	4.439	ug/l	97
31) Cyclohexane	7.882	56	41759	4.768	ug/l #	88
32) 1,1,1-Trichloroethane	7.788	97	30298	4.188	ug/l	95
36) 1,1-Dichloropropene	8.011	75	28432	4.227	ug/l	97
37) Ethyl Acetate	7.164	43	15180m	4.644	ug/l	
38) Carbon Tetrachloride	7.994	117	25382	3.950	ug/l #	88
39) Methylcyclohexane	9.276	83	35470	3.830	ug/l	98
40) Benzene	8.252	78	89991	4.169	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.411	41	8892m	4.256	ug/l	
42) 1,2-Dichloroethane	8.323	62	21340	4.202	ug/l	95
43) Isopropyl Acetate	8.364	43	28493m	4.429	ug/l	
44) Trichloroethene	9.035	130	21645	4.137	ug/l	81
45) 1,2-Dichloropropane	9.300	63	22758	4.347	ug/l	93
46) Dibromomethane	9.394	93	12029	4.309	ug/l	97
47) Bromodichloromethane	9.582	83	29609	4.279	ug/l	91
48) Methyl methacrylate	9.382	41	14854m	4.564	ug/l	
49) 1,4-Dioxane	9.388	88	2730	75.391	ug/l #	66
51) 4-Methyl-2-Pentanone	10.158	43	67157	20.557	ug/l	100
52) Toluene	10.329	92	54730	4.056	ug/l	94
53) t-1,3-Dichloropropene	10.552	75	27454	3.961	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	34423	4.134	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	15578	4.094	ug/l	96
56) Ethyl methacrylate	10.594	69	23010	4.236	ug/l	97
57) 1,3-Dichloropropane	10.876	76	28831	4.330	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.870	63	45555	21.961	ug/l	100
59) 2-Hexanone	10.917	43	47041	20.345	ug/l	98
60) Dibromochloromethane	11.076	129	19554	4.163	ug/l	98
61) 1,2-Dibromoethane	11.182	107	14985	4.119	ug/l	100
64) Tetrachloroethene	10.805	164	17054	4.060	ug/l	92
65) Chlorobenzene	11.605	112	58801	4.028	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.676	131	19140	4.172	ug/l	98
67) Ethyl Benzene	11.682	91	102478	4.014	ug/l	98
68) m/p-Xylenes	11.793	106	78776	8.103	ug/l	99
69) o-Xylene	12.117	106	37997	4.050	ug/l	98
70) Styrene	12.129	104	64822	4.085	ug/l	99
71) Bromoform	12.299	173	10447	3.999	ug/l #	99
73) Isopropylbenzene	12.417	105	92698	3.928	ug/l	100
74) N-amyl acetate	12.229	43	26429	4.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.664	83	18522	4.215	ug/l	100
76) 1,2,3-Trichloropropane	12.717	75	11514m	4.462	ug/l	
77) Bromobenzene	12.699	156	22537	4.270	ug/l	96
78) n-propylbenzene	12.758	91	113279	3.987	ug/l	98
79) 2-Chlorotoluene	12.846	91	63235	3.870	ug/l	95
80) 1,3,5-Trimethylbenzene	12.899	105	76126	3.978	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.470	75	6309	3.633	ug/l	87
82) 4-Chlorotoluene	12.940	91	68465	4.079	ug/l	100
83) tert-Butylbenzene	13.164	119	65057	3.886	ug/l	99
84) 1,2,4-Trimethylbenzene	13.205	105	76421	4.000	ug/l	99
85) sec-Butylbenzene	13.340	105	98333	3.977	ug/l	99
86) p-Isopropyltoluene	13.458	119	80036	3.912	ug/l	99
87) 1,3-Dichlorobenzene	13.452	146	41918	4.107	ug/l	99
88) 1,4-Dichlorobenzene	13.535	146	42103	4.132	ug/l	92
89) n-Butylbenzene	13.782	91	74837	3.811	ug/l	100
90) Hexachloroethane	14.046	117	15998	4.047	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	36658	4.080	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	3028	4.569	ug/l	83
93) 1,2,4-Trichlorobenzene	15.093	180	23753	4.219	ug/l	97
94) Hexachlorobutadiene	15.199	225	9734	3.746	ug/l	97
95) Naphthalene	15.329	128	50644	4.049	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.517	180	21442	4.430	ug/l	97

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

