

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062725\
 Data File : VD080493.D
 Acq On : 27 Jun 2025 14:04
 Operator : RP/MD
 Sample : Q2126-03
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jun 28 03:09:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:16:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	380713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	699521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	604077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	274076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	208150	55.770	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.540%			
35) Dibromofluoromethane	7.811	113	218933	55.892	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.780%			
50) Toluene-d8	10.270	98	879351	55.570	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.140%			
62) 4-Bromofluorobenzene	12.570	95	279318	53.833	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	13368	3.950	ug/l	89
3) Chloromethane	2.147	50	21685	4.588	ug/l	99
4) Vinyl Chloride	2.288	62	21617	4.508	ug/l #	87
5) Bromomethane	2.694	94	15001	5.660	ug/l	94
6) Chloroethane	2.841	64	16370m	5.439	ug/l	
7) Trichlorofluoromethane	3.182	101	25119	4.164	ug/l	91
8) Diethyl Ether	3.600	74	17426	7.421	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.976	101	17359	4.350	ug/l	95
10) Methyl Iodide	4.165	142	16725	3.559	ug/l	100
11) Tert butyl alcohol	5.065	59	6504m	21.402	ug/l	
12) 1,1-Dichloroethene	3.953	96	18468	4.286	ug/l	90
13) Acrolein	3.800	56	3704	8.944	ug/l	83
14) Allyl chloride	4.559	41	30001	3.977	ug/l	94
15) Acrylonitrile	5.259	53	22333	19.990	ug/l	98
16) Acetone	4.023	43	17957	18.621	ug/l	97
17) Carbon Disulfide	4.276	76	53765	3.951	ug/l	96
18) Methyl Acetate	4.570	43	15744	5.367	ug/l	100
19) Methyl tert-butyl Ether	5.317	73	43584	4.070	ug/l	94
20) Methylene Chloride	4.806	84	61217	9.006	ug/l	93
21) trans-1,2-Dichloroethene	5.312	96	19719	4.103	ug/l	99
22) Diisopropyl ether	6.217	45	62530	4.293	ug/l	99
23) Vinyl Acetate	6.159	43	156608	18.867	ug/l	100
24) 1,1-Dichloroethane	6.112	63	34426	4.028	ug/l #	89
25) 2-Butanone	7.082	43	28022	19.798	ug/l #	88
26) 2,2-Dichloropropane	7.076	77	28494	4.213	ug/l	99
27) cis-1,2-Dichloroethene	7.082	96	24126	4.199	ug/l	98
28) Bromochloromethane	7.423	49	15640	4.641	ug/l	95
29) Tetrahydrofuran	7.453	42	18782	21.063	ug/l	98
30) Chloroform	7.600	83	34030	4.159	ug/l	98
31) Cyclohexane	7.876	56	39162	4.728	ug/l #	80
32) 1,1,1-Trichloroethane	7.794	97	27964	4.088	ug/l	99
36) 1,1-Dichloropropene	8.011	75	25732	4.206	ug/l	99
37) Ethyl Acetate	7.176	43	13341m	4.487	ug/l	
38) Carbon Tetrachloride	8.000	117	23002	3.935	ug/l	95
39) Methylcyclohexane	9.276	83	31798	3.775	ug/l	96
40) Benzene	8.253	78	79505	4.049	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.394	41	8306	4.371	ug/l #	92
42) 1,2-Dichloroethane	8.329	62	18959	4.105	ug/l	97
43) Isopropyl Acetate	8.358	43	24471	4.182	ug/l	96
44) Trichloroethene	9.035	130	19253	4.046	ug/l	80
45) 1,2-Dichloropropane	9.306	63	18777	3.943	ug/l	100
46) Dibromomethane	9.394	93	10701	4.215	ug/l	94
47) Bromodichloromethane	9.582	83	25185	4.001	ug/l	94
48) Methyl methacrylate	9.382	41	12068	4.077	ug/l	99
49) 1,4-Dioxane	9.382	88	2708	82.218	ug/l #	91
51) 4-Methyl-2-Pentanone	10.158	43	60460	20.347	ug/l	95
52) Toluene	10.329	92	48891	3.984	ug/l	96
53) t-1,3-Dichloropropene	10.553	75	24683	3.915	ug/l	100
54) cis-1,3-Dichloropropene	10.017	75	30254	3.995	ug/l	93
55) 1,1,2-Trichloroethane	10.729	97	14305	4.133	ug/l	94
56) Ethyl methacrylate	10.600	69	19501	3.947	ug/l #	90
57) 1,3-Dichloropropane	10.876	76	24176	3.992	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.870	63	39212	20.782	ug/l	99
59) 2-Hexanone	10.917	43	43545	20.705	ug/l	91
60) Dibromochloromethane	11.070	129	16908	3.958	ug/l	99
61) 1,2-Dibromoethane	11.182	107	13736	4.151	ug/l	94
64) Tetrachloroethene	10.811	164	15515	4.138	ug/l	96
65) Chlorobenzene	11.605	112	53684	4.121	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.676	131	16834	4.111	ug/l	98
67) Ethyl Benzene	11.682	91	93953	4.123	ug/l	97
68) m/p-Xylenes	11.794	106	71153	8.200	ug/l	100
69) o-Xylene	12.117	106	33008	3.942	ug/l	98
70) Styrene	12.135	104	59230	4.182	ug/l	98
71) Bromoform	12.294	173	9517	4.081	ug/l #	98
73) Isopropylbenzene	12.417	105	85309	4.004	ug/l	100
74) N-amyl acetate	12.229	43	22572	4.046	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.670	83	15832	3.991	ug/l	95
76) 1,2,3-Trichloropropane	12.717	75	11442m	4.911	ug/l	
77) Bromobenzene	12.699	156	19346	4.060	ug/l	99
78) n-propylbenzene	12.758	91	103076	4.019	ug/l	99
79) 2-Chlorotoluene	12.847	91	57102	3.871	ug/l	97
80) 1,3,5-Trimethylbenzene	12.899	105	68617	3.971	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.464	75	5605	3.575	ug/l	91
82) 4-Chlorotoluene	12.946	91	60448	3.990	ug/l	99
83) tert-Butylbenzene	13.164	119	61006	4.037	ug/l	100
84) 1,2,4-Trimethylbenzene	13.205	105	69312	4.018	ug/l	99
85) sec-Butylbenzene	13.341	105	89450	4.008	ug/l	98
86) p-Isopropyltoluene	13.458	119	75077	4.065	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	37839	4.106	ug/l	98
88) 1,4-Dichlorobenzene	13.535	146	38108	4.143	ug/l	93
89) n-Butylbenzene	13.782	91	74507	4.203	ug/l	99
90) Hexachloroethane	14.052	117	14252	3.994	ug/l	97
91) 1,2-Dichlorobenzene	13.829	146	33271	4.102	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	2559	4.277	ug/l	87
93) 1,2,4-Trichlorobenzene	15.099	180	20732	4.079	ug/l	99
94) Hexachlorobutadiene	15.199	225	9683	4.127	ug/l	97
95) Naphthalene	15.329	128	42784	3.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.517	180	17847	4.084	ug/l	99

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

