

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061925\
 Data File : VD080459.D
 Acq On : 19 Jun 2025 12:56
 Operator : RP/MD
 Sample : Q2117-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 20 09:45:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 20 09:43:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	170619	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	171167	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	79474	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	62114	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
7) Chloroethane-d5	2.806	69	58620	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	3.917	65	22060	22.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.40%
21) 2-Butanone-d5	6.994	46	24853	51.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.64%
24) Chloroform-d	7.570	84	115174	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	8.229	65	59510	24.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.08%
32) Benzene-d6	8.199	84	218076	23.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.68%
36) 1,2-Dichloropropane-d6	9.211	67	73276	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.92%
41) Toluene-d8	10.270	98	205949	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.64%
43) trans-1,3-Dichloroprop...	10.523	79	29341	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
47) 2-Hexanone-d5	10.876	63	20208	43.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.18%
56) 1,1,2,2-Tetrachloroeth...	12.652	84	66538	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.32%
66) 1,2-Dichlorobenzene-d4	13.811	152	76871	26.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.68%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.935	85	3335	1.24	ug/L	92
3) Chloromethane	2.141	50	3749	1.48	ug/L	97
5) Vinyl chloride	2.288	62	4512	1.46	ug/L #	71
6) Bromomethane	2.694	94	3189	1.66	ug/L	72
8) Chloroethane	2.847	64	4682	2.20	ug/L	89
9) Trichlorofluoromethane	3.176	101	5250	1.24	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	3874m	1.47	ug/L	
12) 1,1-Dichloroethene	3.947	96	3400m	1.59	ug/L	
13) Acetone	4.017	43	1462	3.58	ug/L	58
14) Carbon disulfide	4.264	76	9253m	1.27	ug/L	
15) Methyl Acetate	4.570	43	1510m	1.53	ug/L	
16) Methylene chloride	4.805	84	12769m	4.83	ug/L	
17) trans-1,2-Dichloroethene	5.311	96	2849m	1.27	ug/L	
18) Methyl tert-butyl Ether	5.311	73	5570m	1.24	ug/L	
19) 1,1-Dichloroethane	6.117	63	5899	1.40	ug/L	96
20) cis-1,2-Dichloroethene	7.088	96	3031m	1.24	ug/L	
22) 2-Butanone	7.082	43	2186m	3.68	ug/L	
23) Bromochloromethane	7.435	128	1772m	1.35	ug/L	
25) Chloroform	7.599	83	12642	2.61	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	3727	1.37	ug/L #	69
29) Cyclohexane	7.888	56	3514m	0.99	ug/L	
30) 1,1,1-Trichloroethane	7.788	97	5243	1.30	ug/L	95
31) Carbon tetrachloride	7.994	117	5026m	1.30	ug/L	
33) Benzene	8.252	78	12861	1.37	ug/L	100
34) Trichloroethene	9.029	95	3387	1.25	ug/L	94
35) Methylcyclohexane	9.276	83	4025	1.01	ug/L	97
38) Bromodichloromethane	9.576	83	4241	1.23	ug/L	98
39) cis-1,3-Dichloropropene	10.011	75	5095	1.30	ug/L	98
40) 4-Methyl-2-pentanone	10.158	43	3216	2.40	ug/L #	88
42) Toluene	10.335	91	13633	1.31	ug/L	80
44) trans-1,3-Dichloropropene	10.558	75	5885	1.77	ug/L	83
45) 1,1,2-Trichloroethane	10.729	97	2824	1.33	ug/L #	86
46) Tetrachloroethene	10.811	164	3267	1.35	ug/L	88
48) 2-Hexanone	10.923	43	3039	3.11	ug/L #	85
49) Dibromochloromethane	11.082	129	3552	1.37	ug/L #	73
50) 1,2-Dibromoethane	11.176	107	2576	1.26	ug/L #	89
51) Chlorobenzene	11.599	112	9670	1.35	ug/L	97
52) Ethylbenzene	11.682	91	13833	1.23	ug/L	85
53) m,p-Xylene	11.787	106	4790	1.08	ug/L	95
54) o-Xylene	12.117	106	4245	1.02	ug/L	80
55) Styrene	12.129	104	7342	1.00	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.670	83	3866	1.49	ug/L #	82
59) Bromoform	12.293	173	2282	1.46	ug/L #	95
60) Isopropylbenzene	12.423	105	11591	1.23	ug/L	98
61) 1,2,3-Trichloropropane	12.723	75	2149	1.44	ug/L	90
62) 1,3,5-Trimethylbenzene	12.905	105	9127	1.26	ug/L	94
63) 1,2,4-Trimethylbenzene	13.205	105	8447	1.18	ug/L	95
64) 1,3-Dichlorobenzene	13.458	146	6507	1.32	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	7018	1.37	ug/L	92
67) 1,2-Dichlorobenzene	13.829	146	6540	1.47	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.452	75	393m	1.13	ug/L	
69) 1,3,5-Trichlorobenzene	14.593	180	4904	1.44	ug/L	98
70) 1,2,4-trichlorobenzene	15.093	180	4314	1.55	ug/L	98
71) Naphthalene	15.323	128	6920	1.37	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	3640	1.39	ug/L	93

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

