

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062325\
 Data File : VD080469.D
 Acq On : 23 Jun 2025 10:43
 Operator : RP/MD
 Sample : Q2117-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2025-04

Quant Time: Jun 24 10:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 24 10:12:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	187283	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	184700	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	89007	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	63482	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.00%
7) Chloroethane-d5	2.806	69	59253	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.48%
11) 1,1-Dichloroethene-d2	3.917	65	22267	20.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.12%
21) 2-Butanone-d5	6.988	46	22223	42.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.42%
24) Chloroform-d	7.564	84	111355	21.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.36%
26) 1,2-Dichloroethane-d4	8.229	65	62628	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	8.199	84	229729	22.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.48%
36) 1,2-Dichloropropane-d6	9.205	67	75646	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.80%
41) Toluene-d8	10.270	98	214359	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.32%
43) trans-1,3-Dichloroprop...	10.523	79	31611	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.08%
47) 2-Hexanone-d5	10.876	63	22222	43.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.82%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	66595	22.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.40%
66) 1,2-Dichlorobenzene-d4	13.811	152	79490	24.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.52%
Target Compounds						
2) Dichlorodifluoromethane	1.935	85	3792	1.28	ug/L	99
3) Chloromethane	2.147	50	3402	1.22	ug/L	90
5) Vinyl chloride	2.288	62	4249	1.25	ug/L #	64
6) Bromomethane	2.700	94	3336	1.58	ug/L	80
8) Chloroethane	2.847	64	5193m	2.22	ug/L	
9) Trichlorofluoromethane	3.182	101	5559m	1.19	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	4176m	1.44	ug/L	
12) 1,1-Dichloroethene	3.941	96	2981	1.27	ug/L #	1
13) Acetone	4.035	43	1603m	3.57	ug/L	
14) Carbon disulfide	4.276	76	9493	1.19	ug/L #	92
15) Methyl Acetate	4.564	43	1412m	1.31	ug/L	
16) Methylene chloride	4.800	84	5937	2.05	ug/L	83
17) trans-1,2-Dichloroethene	5.311	96	2956m	1.20	ug/L	
18) Methyl tert-butyl Ether	5.311	73	5102m	1.03	ug/L	
19) 1,1-Dichloroethane	6.105	63	5136m	1.11	ug/L	
20) cis-1,2-Dichloroethene	7.088	96	2985m	1.11	ug/L	
22) 2-Butanone	7.100	43	2011m	3.09	ug/L	
23) Bromochloromethane	7.423	128	1518	1.05	ug/L	80
25) Chloroform	7.594	83	19499	3.67	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	3607m	1.21	ug/L	
29) Cyclohexane	7.888	56	3801m	0.99	ug/L	
30) 1,1,1-Trichloroethane	7.782	97	5202m	1.19	ug/L	
31) Carbon tetrachloride	7.999	117	4992	1.19	ug/L	95
33) Benzene	8.247	78	12442	1.23	ug/L	100
34) Trichloroethene	9.029	95	3556	1.22	ug/L	87
35) Methylcyclohexane	9.276	83	4752	1.10	ug/L	89
38) Bromodichloromethane	9.582	83	4756	1.28	ug/L #	88
39) cis-1,3-Dichloropropene	10.011	75	4771	1.13	ug/L	93
40) 4-Methyl-2-pentanone	10.158	43	3054	2.11	ug/L #	92
42) Toluene	10.329	91	13165	1.18	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	5738	1.60	ug/L	95
45) 1,1,2-Trichloroethane	10.729	97	2663	1.16	ug/L	92
46) Tetrachloroethene	10.805	164	3602	1.38	ug/L	87
48) 2-Hexanone	10.917	43	2323	2.20	ug/L #	88
49) Dibromochloromethane	11.070	129	3508m	1.25	ug/L	
50) 1,2-Dibromoethane	11.176	107	2517	1.14	ug/L #	76
51) Chlorobenzene	11.611	112	9803	1.27	ug/L #	88
52) Ethylbenzene	11.676	91	13244	1.09	ug/L	95
53) m,p-Xylene	11.793	106	5401	1.13	ug/L	91
54) o-Xylene	12.117	106	4135	0.92	ug/L	98
55) Styrene	12.129	104	7774	0.98	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.670	83	3801	1.36	ug/L #	92
59) Bromoform	12.299	173	2233	1.28	ug/L #	91
60) Isopropylbenzene	12.417	105	12150	1.15	ug/L	98
61) 1,2,3-Trichloropropane	12.723	75	2046	1.23	ug/L	92
62) 1,3,5-Trimethylbenzene	12.899	105	9644	1.19	ug/L	100
63) 1,2,4-Trimethylbenzene	13.211	105	9056	1.13	ug/L	95
64) 1,3-Dichlorobenzene	13.452	146	6869	1.25	ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	7495	1.31	ug/L	92
67) 1,2-Dichlorobenzene	13.823	146	7505	1.51	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.440	75	378m	0.97	ug/L	
69) 1,3,5-Trichlorobenzene	14.593	180	5253	1.38	ug/L	92
70) 1,2,4-trichlorobenzene	15.099	180	4568	1.46	ug/L #	84
71) Naphthalene	15.323	128	6719	1.19	ug/L	98
72) 1,2,3-Trichlorobenzene	15.517	180	3720	1.27	ug/L #	20

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

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