

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011025\
 Data File : VD080208.D
 Acq On : 10 Jan 2025 13:36
 Operator : RP/MD
 Sample : MDL04
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL04

Quant Time: Jan 13 00:13:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM010925SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jan 13 00:09:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	200745	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	192532	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	85028	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	131019	22.253	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.000%
7) Chloroethane-d5	2.805	69	110179	23.028	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.120%
11) 1,1-Dichloroethene-d2	3.922	65	29048	20.446	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.800%
21) 2-Butanone-d5	6.987	46	25798	37.878	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.760%
24) Chloroform-d	7.569	84	121219	19.243	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.960%
26) 1,2-Dichloroethane-d4	8.228	65	71170	21.569	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.280%
32) Benzene-d6	8.204	84	246352	19.820	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.280%
36) 1,2-Dichloropropane-d6	9.210	67	85016	20.666	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.680%
41) Toluene-d8	10.269	98	223252	19.708	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.840%
43) trans-1,3-Dichloroprop...	10.522	79	31745	18.886	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.560%
47) 2-Hexanone-d5	10.881	63	19518	38.070	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.140%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	62876	20.397	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	13.816	152	68824	21.532	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	5716	1.435	ug/L	92
3) Chloromethane	2.152	50	7352	1.354	ug/L	91
5) Vinyl chloride	2.281	62	8411	1.262	ug/L #	61
6) Bromomethane	2.693	94	4661	1.201	ug/L	99
8) Chloroethane	2.834	64	5420	1.326	ug/L	85
9) Trichlorofluoromethane	3.175	101	6900	1.246	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	5034m	1.593	ug/L	
12) 1,1-Dichloroethene	3.934	96	4252m	1.508	ug/L	
13) Acetone	4.040	43	2390m	4.436	ug/L	
14) Carbon disulfide	4.275	76	12641	1.203	ug/L	96
15) Methyl Acetate	4.581	43	1600m	1.187	ug/L	
16) Methylene chloride	4.816	84	4696m	1.378	ug/L	
17) trans-1,2-Dichloroethene	5.310	96	3426m	1.117	ug/L	
18) Methyl tert-butyl Ether	5.334	73	5533m	0.947	ug/L	
19) 1,1-Dichloroethane	6.122	63	6819m	1.151	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	3743m	1.160	ug/L	
22) 2-Butanone	7.093	43	3017m	3.930	ug/L	
23) Bromochloromethane	7.434	128	1680m	1.077	ug/L	
25) Chloroform	7.598	83	22891	3.487	ug/L	95

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

27) 1,2-Dichloroethane	8.328	62	5190	1.355	ug/L	98
29) Cyclohexane	7.881	56	4557m	0.941	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	5911	1.159	ug/L #	84
31) Carbon tetrachloride	7.993	117	5263	1.169	ug/L #	69
33) Benzene	8.251	78	15464	1.181	ug/L	100
34) Trichloroethene	9.034	95	4104	1.210	ug/L #	83
35) Methylcyclohexane	9.269	83	4945	0.981	ug/L	90
37) 1,2-Dichloropropane	9.304	63	4647	1.303	ug/L #	86
38) Bromodichloromethane	9.581	83	5654	1.264	ug/L #	99
39) cis-1,3-Dichloropropene	10.016	75	5330	1.057	ug/L #	77
40) 4-Methyl-2-pentanone	10.157	43	4643m	2.652	ug/L	
42) Toluene	10.340	91	15355	1.123	ug/L	89
44) trans-1,3-Dichloropropene	10.557	75	6814	1.565	ug/L	95
45) 1,1,2-Trichloroethane	10.740	97	2998	1.151	ug/L #	84
46) Tetrachloroethene	10.810	164	3071	1.124	ug/L	83
48) 2-Hexanone	10.922	43	3022m	2.531	ug/L	
49) Dibromochloromethane	11.075	129	3682	1.270	ug/L	100
50) 1,2-Dibromoethane	11.187	107	2593	1.096	ug/L #	95
51) Chlorobenzene	11.604	112	10508	1.198	ug/L #	81
52) Ethylbenzene	11.681	91	14523	0.989	ug/L	97
53) m,p-Xylene	11.798	106	5052	0.921	ug/L	68
54) o-Xylene	12.116	106	4969	0.968	ug/L	89
55) Styrene	12.134	104	7482	0.805	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.675	83	4016	1.360	ug/L #	92
59) Bromoform	12.298	173	1843	1.208	ug/L #	87
60) Isopropylbenzene	12.416	105	12706	1.071	ug/L #	94
61) 1,2,3-Trichloropropane	12.722	75	2240	1.246	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	9337	0.988	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	9285	1.007	ug/L	95
64) 1,3-Dichlorobenzene	13.457	146	6850	1.181	ug/L	94
65) 1,4-Dichlorobenzene	13.533	146	7031	1.174	ug/L	85
67) 1,2-Dichlorobenzene	13.828	146	6676	1.285	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	14.439	75	471m	1.205	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	4882	1.238	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	3882	1.206	ug/L	99
71) Naphthalene	15.333	128	6285	1.110	ug/L #	89
72) 1,2,3-Trichlorobenzene	15.522	180	2882	0.964	ug/L #	83

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

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