

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011025\
 Data File : VD080209.D
 Acq On : 10 Jan 2025 14:03
 Operator : RP/MD
 Sample : MDL05
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Quant Time: Jan 13 00:14:29 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	204316	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	197611	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	87143	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	124236	20.733	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.920%
7) Chloroethane-d5	2.805	69	103604	21.275	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.120%
11) 1,1-Dichloroethene-d2	3.916	65	27548m	19.051	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.200%
21) 2-Butanone-d5	6.987	46	25950	37.435	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.880%
24) Chloroform-d	7.569	84	117519	18.329	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.320%
26) 1,2-Dichloroethane-d4	8.234	65	67798	20.188	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.760%
32) Benzene-d6	8.204	84	234507	18.382	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.520%
36) 1,2-Dichloropropane-d6	9.210	67	79589	18.849	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.400%
41) Toluene-d8	10.269	98	209317	18.003	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	10.528	79	30421	17.634	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.520%
47) 2-Hexanone-d5	10.875	63	19247	36.576	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.160%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	61057	19.297	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.200%
66) 1,2-Dichlorobenzene-d4	13.816	152	66043	20.161	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.640%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	4870	1.201	ug/L	98
3) Chloromethane	2.152	50	6976	1.262	ug/L	88
5) Vinyl chloride	2.281	62	8304	1.224	ug/L	94
6) Bromomethane	2.699	94	4332	1.097	ug/L	79
8) Chloroethane	2.840	64	5056	1.215	ug/L	94
9) Trichlorofluoromethane	3.175	101	6240	1.107	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	4268m	1.327	ug/L	
12) 1,1-Dichloroethene	3.940	96	3473	1.210	ug/L #	1
13) Acetone	4.028	43	2079m	3.792	ug/L	
14) Carbon disulfide	4.275	76	11076	1.035	ug/L #	88
15) Methyl Acetate	4.563	43	1746m	1.272	ug/L	
16) Methylene chloride	4.805	84	5113	1.474	ug/L	89
17) trans-1,2-Dichloroethene	5.310	96	3061m	0.980	ug/L	
18) Methyl tert-butyl Ether	5.328	73	4879	0.820	ug/L #	70
19) 1,1-Dichloroethane	6.105	63	6568	1.090	ug/L #	93
20) cis-1,2-Dichloroethene	7.087	96	3074	0.936	ug/L	92
22) 2-Butanone	7.081	43	2684m	3.436	ug/L	
23) Bromochloromethane	7.422	128	2001m	1.260	ug/L	
25) Chloroform	7.593	83	19785	2.961	ug/L	88

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

27) 1,2-Dichloroethane	8.334	62	4342m	1.114	ug/L	
29) Cyclohexane	7.881	56	4202	0.845	ug/L #	89
30) 1,1,1-Trichloroethane	7.793	97	4980m	0.951	ug/L	
31) Carbon tetrachloride	7.993	117	4785	1.036	ug/L	99
33) Benzene	8.251	78	13614	1.013	ug/L	100
34) Trichloroethene	9.028	95	3924	1.128	ug/L	88
35) Methylcyclohexane	9.269	83	4951	0.957	ug/L	92
37) 1,2-Dichloropropane	9.304	63	3613	0.987	ug/L #	86
38) Bromodichloromethane	9.593	83	4958	1.080	ug/L	79
39) cis-1,3-Dichloropropene	10.016	75	5251	1.015	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	4406m	2.452	ug/L	
42) Toluene	10.334	91	14312	1.019	ug/L	93
44) trans-1,3-Dichloropropene	10.557	75	5932	1.328	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	2733	1.022	ug/L #	79
46) Tetrachloroethene	10.810	164	2905	1.036	ug/L	91
48) 2-Hexanone	10.922	43	2429	1.982	ug/L #	81
49) Dibromochloromethane	11.075	129	3170	1.065	ug/L #	73
50) 1,2-Dibromoethane	11.181	107	2585	1.064	ug/L #	84
51) Chlorobenzene	11.604	112	9252	1.028	ug/L	96
52) Ethylbenzene	11.687	91	13614	0.904	ug/L	96
53) m,p-Xylene	11.798	106	4690	0.833	ug/L	86
54) o-Xylene	12.128	106	4092	0.777	ug/L	68
55) Styrene	12.134	104	7391	0.775	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	3138	1.036	ug/L #	86
59) Bromoform	12.298	173	1772	1.133	ug/L #	92
60) Isopropylbenzene	12.422	105	10978	0.903	ug/L	95
61) 1,2,3-Trichloropropane	12.728	75	2084	1.131	ug/L	93
62) 1,3,5-Trimethylbenzene	12.898	105	8737	0.902	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	8517	0.901	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	5830	0.981	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	6111	0.996	ug/L #	75
67) 1,2-Dichlorobenzene	13.828	146	6026	1.132	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.439	75	646m	1.612	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	4354	1.077	ug/L #	40
70) 1,2,4-trichlorobenzene	15.098	180	3249	0.985	ug/L #	85
71) Naphthalene	15.328	128	5782	0.996	ug/L	97
72) 1,2,3-Trichlorobenzene	15.522	180	3299	1.077	ug/L	94

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

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