

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
 Data File : VD080201.D
 Acq On : 09 Jan 2025 18:48
 Operator : RP/MD
 Sample : MDL03
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 00:10:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM010925SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jan 09 20:13:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	220605	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	219600	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	96661	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.275	65	164768	25.466	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 101.880%	
7) Chloroethane-d5	2.805	69	139605	26.551	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.200%	
11) 1,1-Dichloroethene-d2	3.928	65	37842	24.238	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 96.960%	
21) 2-Butanone-d5	6.993	46	32411	43.303	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 86.600%	
24) Chloroform-d	7.569	84	163383	23.601	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 94.400%	
26) 1,2-Dichloroethane-d4	8.234	65	94167	25.969	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 103.880%	
32) Benzene-d6	8.210	84	331756	23.401	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 93.600%	
36) 1,2-Dichloropropane-d6	9.210	67	112038	23.878	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 95.520%	
41) Toluene-d8	10.269	98	308285	23.860	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 95.440%	
43) trans-1,3-Dichloroprop...	10.528	79	43844	22.869	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 91.480%	
47) 2-Hexanone-d5	10.875	63	27436	46.917	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 93.840%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	83224	23.670	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 94.680%	
66) 1,2-Dichlorobenzene-d4	13.816	152	97105	26.724	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 106.880%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	6841	1.562	ug/L	95
3) Chloromethane	2.152	50	10250	1.717	ug/L	99
5) Vinyl chloride	2.287	62	12069	1.648	ug/L #	75
6) Bromomethane	2.705	94	6110	1.432	ug/L	85
8) Chloroethane	2.840	64	7232	1.610	ug/L	90
9) Trichlorofluoromethane	3.175	101	9495	1.560	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	6458	1.860	ug/L #	62
12) 1,1-Dichloroethene	3.946	96	5187	1.674	ug/L #	1
13) Acetone	4.028	43	2929m	4.947	ug/L	
14) Carbon disulfide	4.281	76	16457	1.425	ug/L	96
15) Methyl Acetate	4.575	43	2096m	1.415	ug/L	
17) trans-1,2-Dichloroethene	5.316	96	4594m	1.363	ug/L	
18) Methyl tert-butyl Ether	5.322	73	7952m	1.238	ug/L	
19) 1,1-Dichloroethane	6.116	63	8717m	1.339	ug/L	
20) cis-1,2-Dichloroethene	7.087	96	4865	1.372	ug/L #	77
22) 2-Butanone	7.104	43	3471m	4.115	ug/L	
23) Bromochloromethane	7.440	128	2623	1.530	ug/L	94
25) Chloroform	7.599	83	27042	3.749	ug/L	94
27) 1,2-Dichloroethane	8.328	62	6462	1.536	ug/L #	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	6298	1.140	ug/L #	59
30) 1,1,1-Trichloroethane	7.799	97	8131	1.398	ug/L	94
31) Carbon tetrachloride	7.993	117	6801	1.324	ug/L	96
33) Benzene	8.251	78	18971	1.270	ug/L	100
34) Trichloroethene	9.034	95	5311	1.373	ug/L	84
35) Methylcyclohexane	9.269	83	6928m	1.205	ug/L	
38) Bromodichloromethane	9.587	83	7070	1.386	ug/L #	89
39) cis-1,3-Dichloropropene	10.022	75	6785	1.180	ug/L	91
40) 4-Methyl-2-pentanone	10.163	43	5344	2.676	ug/L	98
42) Toluene	10.334	91	21210	1.359	ug/L	95
44) trans-1,3-Dichloropropene	10.557	75	8839	1.780	ug/L	97
45) 1,1,2-Trichloroethane	10.740	97	4142	1.394	ug/L #	75
46) Tetrachloroethene	10.816	164	3866	1.241	ug/L	78
48) 2-Hexanone	10.922	43	3990m	2.930	ug/L	
49) Dibromochloromethane	11.081	129	5236	1.583	ug/L	84
50) 1,2-Dibromoethane	11.181	107	3707	1.373	ug/L #	97
51) Chlorobenzene	11.610	112	14328	1.433	ug/L	92
52) Ethylbenzene	11.681	91	19403	1.159	ug/L	88
53) m,p-Xylene	11.792	106	7462	1.193	ug/L	85
54) o-Xylene	12.122	106	6696	1.144	ug/L	71
55) Styrene	12.134	104	11174	1.054	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	5325	1.581	ug/L #	95
59) Bromoform	12.292	173	2828	1.631	ug/L #	38
60) Isopropylbenzene	12.422	105	16284	1.208	ug/L #	94
61) 1,2,3-Trichloropropane	12.728	75	3011	1.473	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	12963	1.207	ug/L	97
63) 1,2,4-Trimethylbenzene	13.216	105	12081	1.153	ug/L	92
64) 1,3-Dichlorobenzene	13.457	146	9012	1.367	ug/L	92
65) 1,4-Dichlorobenzene	13.539	146	10237	1.503	ug/L	88
67) 1,2-Dichlorobenzene	13.834	146	8929	1.512	ug/L	88
68) 1,2-Dibromo-3-chloropr...	14.445	75	727m	1.636	ug/L	
69) 1,3,5-Trichlorobenzene	14.598	180	6562	1.463	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	5287	1.445	ug/L #	97
71) Naphthalene	15.333	128	8991	1.396	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.528	180	4661	1.371	ug/L	97

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

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