

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
 Data File : VD080199.D
 Acq On : 09 Jan 2025 17:53
 Operator : RP/MD
 Sample : MDL01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

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

Quant Time: Jan 10 00:08:50 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	207884	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	208946	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	90208	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	159308	26.129	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.520%			
7) Chloroethane-d5	2.805	69	133709	26.986	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.960%			
11) 1,1-Dichloroethene-d2	3.922	65	35868	24.379	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 97.520%			
21) 2-Butanone-d5	6.993	46	32398	45.935	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.860%			
24) Chloroform-d	7.569	84	155941	23.904	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.600%			
26) 1,2-Dichloroethane-d4	8.234	65	92523	27.077	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.320%			
32) Benzene-d6	8.204	84	321107	23.805	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.200%			
36) 1,2-Dichloropropane-d6	9.210	67	107328	24.040	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.160%			
41) Toluene-d8	10.269	98	290484	23.629	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.520%			
43) trans-1,3-Dichloroprop...	10.528	79	41473	22.736	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.960%			
47) 2-Hexanone-d5	10.875	63	26790	48.149	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.300%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	81032	24.221	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 96.880%			
66) 1,2-Dichlorobenzene-d4	13.816	152	92385	27.244	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 108.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.940	85	5499	1.333	ug/L	94
3) Chloromethane	2.152	50	7709	1.371	ug/L	90
5) Vinyl chloride	2.287	62	9343	1.354	ug/L #	65
6) Bromomethane	2.693	94	5138	1.278	ug/L	98
8) Chloroethane	2.840	64	5644	1.333	ug/L	83
9) Trichlorofluoromethane	3.175	101	7165	1.249	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	5745m	1.756	ug/L	
12) 1,1-Dichloroethene	3.952	96	4210m	1.442	ug/L	
13) Acetone	4.046	43	2382m	4.270	ug/L	
14) Carbon disulfide	4.269	76	13177m	1.211	ug/L	
15) Methyl Acetate	4.575	43	1618m	1.159	ug/L	
17) trans-1,2-Dichloroethene	5.322	96	3807m	1.198	ug/L	
18) Methyl tert-butyl Ether	5.328	73	6433m	1.063	ug/L	
19) 1,1-Dichloroethane	6.122	63	8097m	1.320	ug/L	
20) cis-1,2-Dichloroethene	7.081	96	4146	1.241	ug/L	90
22) 2-Butanone	7.099	43	3108m	3.910	ug/L	
23) Bromochloromethane	7.428	128	2052m	1.270	ug/L	
25) Chloroform	7.593	83	24447m	3.596	ug/L	
27) 1,2-Dichloroethane	8.334	62	5648	1.424	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	4529m	0.862	ug/L	
30) 1,1,1-Trichloroethane	7.799	97	6245	1.128	ug/L	96
31) Carbon tetrachloride	7.993	117	5418m	1.109	ug/L	
33) Benzene	8.252	78	18972	1.335	ug/L	100
34) Trichloroethene	9.028	95	4264	1.159	ug/L	91
35) Methylcyclohexane	9.275	83	5857	1.070	ug/L	97
38) Bromodichloromethane	9.581	83	5808m	1.197	ug/L	
39) cis-1,3-Dichloropropene	10.022	75	6002	1.097	ug/L	96
40) 4-Methyl-2-pentanone	10.163	43	4669	2.457	ug/L #	93
42) Toluene	10.340	91	17436	1.175	ug/L	94
44) trans-1,3-Dichloropropene	10.557	75	5479	1.160	ug/L	89
45) 1,1,2-Trichloroethane	10.734	97	3482	1.232	ug/L	89
46) Tetrachloroethene	10.810	164	3429	1.157	ug/L	90
48) 2-Hexanone	10.928	43	3362	2.595	ug/L #	92
49) Dibromochloromethane	11.081	129	3702	1.176	ug/L	75
50) 1,2-Dibromoethane	11.181	107	3152	1.227	ug/L #	91
51) Chlorobenzene	11.610	112	11246	1.182	ug/L	92
52) Ethylbenzene	11.687	91	15857	0.996	ug/L	94
53) m,p-Xylene	11.793	106	5600	0.941	ug/L	91
54) o-Xylene	12.128	106	4592	0.825	ug/L	90
55) Styrene	12.134	104	8992	0.892	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.669	83	4430	1.383	ug/L #	75
59) Bromoform	12.298	173	2177	1.345	ug/L #	85
60) Isopropylbenzene	12.422	105	13256	1.054	ug/L	97
61) 1,2,3-Trichloropropane	12.722	75	2554	1.339	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.904	105	10223	1.020	ug/L	96
63) 1,2,4-Trimethylbenzene	13.216	105	10607	1.085	ug/L	92
64) 1,3-Dichlorobenzene	13.457	146	7194	1.169	ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	8143	1.281	ug/L	85
67) 1,2-Dichlorobenzene	13.834	146	7657	1.389	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.445	75	810m	1.953	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	5214	1.246	ug/L	94
70) 1,2,4-trichlorobenzene	15.104	180	4571	1.339	ug/L	87
71) Naphthalene	15.334	128	7099	1.181	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.522	180	3286	1.036	ug/L	88

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

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