

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
 Data File : VD080200.D
 Acq On : 09 Jan 2025 18:21
 Operator : RP/MD
 Sample : MDL02
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

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

Quant Time: Jan 10 00:09:33 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	224376	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	220354	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	95336	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.275	65	172404	26.199	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.800%	
7) Chloroethane-d5	2.805	69	147020	27.492	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.960%	
11) 1,1-Dichloroethene-d2	3.922	65	40283	25.368	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 101.480%	
21) 2-Butanone-d5	6.993	46	39128	51.399	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 102.800%	
24) Chloroform-d	7.569	84	175137	24.874	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 99.480%	
26) 1,2-Dichloroethane-d4	8.234	65	100340	27.206	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 108.840%	
32) Benzene-d6	8.205	84	348780	24.517	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 98.080%	
36) 1,2-Dichloropropane-d6	9.210	67	117312	24.916	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 99.680%	
41) Toluene-d8	10.269	98	320427	24.715	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 98.880%	
43) trans-1,3-Dichloroprop...	10.528	79	47618	24.753	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 99.000%	
47) 2-Hexanone-d5	10.881	63	31418	53.543	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 107.080%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91023	25.799	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 103.200%	
66) 1,2-Dichlorobenzene-d4	13.816	152	102776	28.678	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 114.720%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	5510	1.237	ug/L	99
3) Chloromethane	2.152	50	8089	1.332	ug/L #	82
5) Vinyl chloride	2.287	62	10393	1.395	ug/L #	81
6) Bromomethane	2.699	94	5272	1.215	ug/L	86
8) Chloroethane	2.840	64	5791	1.267	ug/L	89
9) Trichlorofluoromethane	3.175	101	7671m	1.239	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	5743m	1.626	ug/L	
12) 1,1-Dichloroethene	3.940	96	3954	1.254	ug/L #	1
13) Acetone	4.040	43	3043m	5.053	ug/L	
14) Carbon disulfide	4.269	76	13977m	1.190	ug/L	
15) Methyl Acetate	4.569	43	1970	1.307	ug/L	100
17) trans-1,2-Dichloroethene	5.322	96	3684m	1.074	ug/L	
18) Methyl tert-butyl Ether	5.316	73	6881	1.053	ug/L #	79
19) 1,1-Dichloroethane	6.122	63	8022m	1.212	ug/L	
20) cis-1,2-Dichloroethene	7.081	96	4229	1.173	ug/L #	74
22) 2-Butanone	7.069	43	3198m	3.728	ug/L	
23) Bromochloromethane	7.428	128	2278m	1.306	ug/L	
25) Chloroform	7.599	83	24569	3.349	ug/L	100
27) 1,2-Dichloroethane	8.328	62	6398	1.495	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
 Data File : VD080200.D
 Acq On : 09 Jan 2025 18:21
 Operator : RP/MD
 Sample : MDL02
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

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

Quant Time: Jan 10 00:09:33 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)
29) Cyclohexane	7.887	56	4928	0.889	ug/L #	23
30) 1,1,1-Trichloroethane	7.805	97	6661m	1.141	ug/L	
31) Carbon tetrachloride	7.999	117	5576	1.082	ug/L	93
33) Benzene	8.246	78	19153m	1.278	ug/L	
34) Trichloroethene	9.028	95	4716	1.215	ug/L	92
35) Methylcyclohexane	9.275	83	5271	0.913	ug/L #	83
38) Bromodichloromethane	9.587	83	6510	1.272	ug/L #	83
39) cis-1,3-Dichloropropene	10.016	75	7021	1.217	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	5128m	2.559	ug/L	
42) Toluene	10.334	91	17559	1.122	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	8400	1.686	ug/L	92
45) 1,1,2-Trichloroethane	10.740	97	3510	1.178	ug/L	94
46) Tetrachloroethene	10.816	164	3558	1.138	ug/L	89
48) 2-Hexanone	10.928	43	3403	2.491	ug/L #	92
49) Dibromochloromethane	11.081	129	4137	1.246	ug/L	96
50) 1,2-Dibromoethane	11.187	107	3586	1.324	ug/L #	80
51) Chlorobenzene	11.610	112	11401	1.136	ug/L	95
52) Ethylbenzene	11.687	91	16905	1.006	ug/L	98
53) m,p-Xylene	11.793	106	5669	0.903	ug/L	93
54) o-Xylene	12.122	106	5364	0.913	ug/L	92
55) Styrene	12.140	104	9240	0.869	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	4917	1.455	ug/L #	87
59) Bromoform	12.304	173	2507	1.466	ug/L #	87
60) Isopropylbenzene	12.422	105	14113	1.061	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	2918	1.447	ug/L #	63
62) 1,3,5-Trimethylbenzene	12.904	105	10908	1.029	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	10489	1.015	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	8075	1.242	ug/L #	86
65) 1,4-Dichlorobenzene	13.534	146	8762	1.305	ug/L	90
67) 1,2-Dichlorobenzene	13.834	146	8214	1.410	ug/L	87
68) 1,2-Dibromo-3-chloropr...	14.451	75	651m	1.485	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	5810	1.314	ug/L	94
70) 1,2,4-trichlorobenzene	15.104	180	4391	1.217	ug/L	93
71) Naphthalene	15.339	128	7678	1.209	ug/L	97
72) 1,2,3-Trichlorobenzene	15.516	180	3896	1.162	ug/L	90

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
Data File : VD080200.D
Acq On : 09 Jan 2025 18:21
Operator : RP/MD
Sample : MDL02
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL02

Manual Integrations
APPROVED

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

Quant Time: Jan 10 00:09:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL010925SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jan 09 20:13:33 2025
Response via : Initial Calibration

