

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
 Data File : VD080455.D
 Acq On : 18 Jun 2025 14:58
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025507

Quant Time: Jun 19 10:06:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jun 19 09:10:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	173781	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	167372	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.511	152	96426	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	69482	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
7) Chloroethane-d5	2.806	69	59498	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.68%
11) 1,1-Dichloroethene-d2	3.917	65	24451	24.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.40%
21) 2-Butanone-d5	6.988	46	27953	57.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.44%
24) Chloroform-d	7.570	84	120990	25.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.16%
26) 1,2-Dichloroethane-d4	8.229	65	65048	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.36%
32) Benzene-d6	8.200	84	240129	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
36) 1,2-Dichloropropane-d6	9.211	67	76390	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.16%
41) Toluene-d8	10.270	98	231554	26.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.64%
43) trans-1,3-Dichloroprop...	10.523	79	33855	26.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.64%
47) 2-Hexanone-d5	10.876	63	26089	56.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.78%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	74834	27.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.60%
66) 1,2-Dichlorobenzene-d4	13.811	152	88472	25.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.20%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	73891	26.88	ug/L	99
3) Chloromethane	2.147	50	68692	26.62	ug/L	99
5) Vinyl chloride	2.282	62	88167	28.00	ug/L	97
6) Bromomethane	2.694	94	48648	24.88	ug/L	95
8) Chloroethane	2.841	64	56316	25.98	ug/L	100
9) Trichlorofluoromethane	3.176	101	124402	28.78	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	79480	29.63	ug/L	98
12) 1,1-Dichloroethene	3.941	96	65079	29.87	ug/L	98
13) Acetone	4.017	43	33336	80.08	ug/L	99
14) Carbon disulfide	4.270	76	213350	28.86	ug/L	99
15) Methyl Acetate	4.559	43	32436	32.31	ug/L #	77
16) Methylene chloride	4.800	84	86836	32.24	ug/L	92
17) trans-1,2-Dichloroethene	5.312	96	72997	31.99	ug/L	95
18) Methyl tert-butyl Ether	5.317	73	149181	32.49	ug/L	99
19) 1,1-Dichloroethane	6.112	63	129049	30.16	ug/L	98
20) cis-1,2-Dichloroethene	7.076	96	79061	31.78	ug/L	91
22) 2-Butanone	7.088	43	42459	70.25	ug/L	99
23) Bromochloromethane	7.429	128	42704	31.94	ug/L	91
25) Chloroform	7.600	83	149471	30.34	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.329	62	87433	31.63	ug/L	99
29) Cyclohexane	7.882	56	107772	31.02	ug/L	98
30) 1,1,1-Trichloroethane	7.794	97	120576	30.55	ug/L	98
31) Carbon tetrachloride	7.988	117	112286	29.65	ug/L	99
33) Benzene	8.253	78	296109	32.25	ug/L	100
34) Trichloroethene	9.029	95	79231	29.92	ug/L	90
35) Methylcyclohexane	9.276	83	122692	31.35	ug/L	99
37) 1,2-Dichloropropane	9.305	63	83779	32.72	ug/L	100
38) Bromodichloromethane	9.582	83	105859	31.45	ug/L #	96
39) cis-1,3-Dichloropropene	10.017	75	123495	32.23	ug/L	99
40) 4-Methyl-2-pentanone	10.158	43	92228	70.28	ug/L	98
42) Toluene	10.329	91	337883	33.29	ug/L	94
44) trans-1,3-Dichloropropene	10.552	75	109461	33.75	ug/L	95
45) 1,1,2-Trichloroethane	10.735	97	67833	32.60	ug/L	96
46) Tetrachloroethene	10.805	164	73610	31.08	ug/L	98
48) 2-Hexanone	10.917	43	71689	74.97	ug/L	99
49) Dibromochloromethane	11.070	129	86028	33.85	ug/L	98
50) 1,2-Dibromoethane	11.182	107	67225	33.51	ug/L	97
51) Chlorobenzene	11.605	112	220846	31.55	ug/L	100
52) Ethylbenzene	11.682	91	359790	32.69	ug/L	99
53) m,p-Xylene	11.788	106	142159	32.91	ug/L	91
54) o-Xylene	12.117	106	136749	33.59	ug/L	98
55) Styrene	12.135	104	254347	35.43	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.670	83	85738	33.74	ug/L	96
59) Bromoform	12.294	173	58351	30.85	ug/L	98
60) Isopropylbenzene	12.417	105	361054	31.64	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	55826	30.87	ug/L	99
62) 1,3,5-Trimethylbenzene	12.905	105	280509	31.87	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	281889	32.43	ug/L	99
64) 1,3-Dichlorobenzene	13.458	146	184550	30.88	ug/L	97
65) 1,4-Dichlorobenzene	13.535	146	189148	30.41	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	171605	31.80	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.440	75	13940	32.90	ug/L	87
69) 1,3,5-Trichlorobenzene	14.588	180	124071	30.05	ug/L	99
70) 1,2,4-trichlorobenzene	15.093	180	103621	30.67	ug/L	100
71) Naphthalene	15.329	128	199229	32.44	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	100505	31.72	ug/L	99

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

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