

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061925\
 Data File : VD080460.D
 Acq On : 19 Jun 2025 14:11
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025509

Quant Time: Jun 20 09:46:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 20 09:43:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	179678	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	169228	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	96586	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	67983	22.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.28%			
7) Chloroethane-d5	2.806	69	63207	24.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 97.28%			
11) 1,1-Dichloroethene-d2	3.917	65	23743	23.10	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 92.40%			
21) 2-Butanone-d5	6.988	46	20718	41.02	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 82.04%			
24) Chloroform-d	7.564	84	126516	25.57	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.28%			
26) 1,2-Dichloroethane-d4	8.223	65	60087	23.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.00%			
32) Benzene-d6	8.200	84	248540	26.71	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 106.84%			
36) 1,2-Dichloropropane-d6	9.211	67	75883	24.85	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.40%			
41) Toluene-d8	10.264	98	241311	27.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 110.96%			
43) trans-1,3-Dichloroprop...	10.523	79	31591	24.83	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.32%			
47) 2-Hexanone-d5	10.876	63	17986	38.79	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 77.58%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	62335	22.58	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.32%			
66) 1,2-Dichlorobenzene-d4	13.811	152	87520	24.99	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	58935	20.73	ug/L	99
3) Chloromethane	2.147	50	64177	24.05	ug/L	99
5) Vinyl chloride	2.288	62	79496	24.42	ug/L	95
6) Bromomethane	2.694	94	53898	26.66	ug/L	97
8) Chloroethane	2.841	64	55224	24.64	ug/L	99
9) Trichlorofluoromethane	3.176	101	102039	22.83	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	61344	22.12	ug/L #	69
12) 1,1-Dichloroethene	3.941	96	55719	24.73	ug/L	89
13) Acetone	4.017	43	23442	54.46	ug/L	98
14) Carbon disulfide	4.270	76	193613	25.33	ug/L	97
15) Methyl Acetate	4.564	43	22029	21.23	ug/L #	83
16) Methylene chloride	4.800	84	73633	26.44	ug/L	95
17) trans-1,2-Dichloroethene	5.306	96	65996	27.98	ug/L	95
18) Methyl tert-butyl Ether	5.311	73	106140	22.36	ug/L	99
19) 1,1-Dichloroethane	6.111	63	116688	26.38	ug/L	97
20) cis-1,2-Dichloroethene	7.076	96	69673	27.09	ug/L	94
22) 2-Butanone	7.088	43	27861	44.59	ug/L	99
23) Bromochloromethane	7.423	128	34468	24.93	ug/L	86
25) Chloroform	7.594	83	132227	25.96	ug/L	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.323	62	71794	25.12	ug/L	99
29) Cyclohexane	7.876	56	84036	23.92	ug/L	100
30) 1,1,1-Trichloroethane	7.788	97	109538	27.45	ug/L	98
31) Carbon tetrachloride	7.988	117	98870	25.82	ug/L	100
33) Benzene	8.252	78	267318	28.80	ug/L	100
34) Trichloroethene	9.029	95	72246	26.98	ug/L	93
35) Methylcyclohexane	9.276	83	93317	23.58	ug/L	96
37) 1,2-Dichloropropane	9.305	63	70769	27.34	ug/L	100
38) Bromodichloromethane	9.582	83	91447	26.87	ug/L	100
39) cis-1,3-Dichloropropene	10.017	75	100442	25.93	ug/L	97
40) 4-Methyl-2-pentanone	10.158	43	56526	42.60	ug/L	99
42) Toluene	10.329	91	306054	29.83	ug/L	93
44) trans-1,3-Dichloropropene	10.552	75	88226	26.90	ug/L	100
45) 1,1,2-Trichloroethane	10.735	97	52297	24.86	ug/L	95
46) Tetrachloroethene	10.811	164	66319	27.69	ug/L	97
48) 2-Hexanone	10.917	43	42694	44.16	ug/L	100
49) Dibromochloromethane	11.076	129	68017	26.47	ug/L	96
50) 1,2-Dibromoethane	11.176	107	51017	25.16	ug/L	94
51) Chlorobenzene	11.605	112	193468	27.33	ug/L	99
52) Ethylbenzene	11.682	91	326759	29.36	ug/L	98
53) m,p-Xylene	11.793	106	132136	30.26	ug/L	94
54) o-Xylene	12.117	106	118073	28.69	ug/L	100
55) Styrene	12.135	104	218193	30.06	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.670	83	59083	23.00	ug/L	95
59) Bromoform	12.293	173	44189	23.33	ug/L	99
60) Isopropylbenzene	12.423	105	326923	28.61	ug/L	99
61) 1,2,3-Trichloropropane	12.723	75	38860	21.45	ug/L	98
62) 1,3,5-Trimethylbenzene	12.905	105	250503	28.41	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	252859	29.04	ug/L	99
64) 1,3-Dichlorobenzene	13.458	146	160114	26.75	ug/L	98
65) 1,4-Dichlorobenzene	13.535	146	163235	26.20	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	142711	26.40	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.446	75	8637	20.35	ug/L	85
69) 1,3,5-Trichlorobenzene	14.593	180	106747	25.81	ug/L	99
70) 1,2,4-trichlorobenzene	15.099	180	82692	24.43	ug/L	99
71) Naphthalene	15.334	128	129295	21.02	ug/L	99
72) 1,2,3-Trichlorobenzene	15.523	180	76634	24.15	ug/L	97

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

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