

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062025\
 Data File : VD080462.D
 Acq On : 20 Jun 2025 10:26
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025509

Quant Time: Jun 23 08:52:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Jun 23 08:51:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	239057	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	223285	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	125605	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.282	65	76355	18.84	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.36%		
7) Chloroethane-d5	2.806	69	68258	19.74	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.96%		
11) 1,1-Dichloroethene-d2	3.923	65	28341	20.72	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	82.88%		
21) 2-Butanone-d5	6.994	46	32197	47.91	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	95.82%		
24) Chloroform-d	7.570	84	142838	21.70	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	86.80%		
26) 1,2-Dichloroethane-d4	8.229	65	69649	20.69	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	82.76%		
32) Benzene-d6	8.206	84	279699	22.78	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	91.12%		
36) 1,2-Dichloropropane-d6	9.206	67	86883	21.56	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	86.24%		
41) Toluene-d8	10.270	98	265556	23.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	92.56%		
43) trans-1,3-Dichloroprop...	10.523	79	38184	22.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	91.00%		
47) 2-Hexanone-d5	10.876	63	30179	49.33	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.66%		
56) 1,1,2,2-Tetrachloroeth...	12.647	84	81198	22.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	89.16%		
66) 1,2-Dichlorobenzene-d4	13.811	152	95178	20.90	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	83.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	82691	21.86	ug/L	100
3) Chloromethane	2.147	50	76343	21.51	ug/L	98
5) Vinyl chloride	2.288	62	98105	22.65	ug/L	96
6) Bromomethane	2.700	94	74723	27.78	ug/L	97
8) Chloroethane	2.847	64	64265	21.55	ug/L	94
9) Trichlorofluoromethane	3.182	101	135441	22.78	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.971	101	87942	23.84	ug/L	99
12) 1,1-Dichloroethene	3.947	96	73301	24.46	ug/L	96
13) Acetone	4.023	43	39889	69.65	ug/L	99
14) Carbon disulfide	4.276	76	243907	23.98	ug/L	96
15) Methyl Acetate	4.565	43	35892	25.99	ug/L	96
16) Methylene chloride	4.800	84	89752	24.23	ug/L	98
17) trans-1,2-Dichloroethene	5.312	96	83231	26.52	ug/L	96
18) Methyl tert-butyl Ether	5.318	73	166839	26.41	ug/L	96
19) 1,1-Dichloroethane	6.112	63	144015	24.47	ug/L	98
20) cis-1,2-Dichloroethene	7.076	96	88961	25.99	ug/L	96
22) 2-Butanone	7.082	43	48509	58.35	ug/L	80
23) Bromochloromethane	7.429	128	46361	25.21	ug/L	93
25) Chloroform	7.594	83	162124	23.92	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.329	62	94054	24.73	ug/L	98
29) Cyclohexane	7.876	56	126585	27.31	ug/L	98
30) 1,1,1-Trichloroethane	7.788	97	134147	25.47	ug/L	99
31) Carbon tetrachloride	7.994	117	124755	24.69	ug/L	99
33) Benzene	8.253	78	329187	26.88	ug/L	100
34) Trichloroethene	9.029	95	89947	25.46	ug/L	97
35) Methylcyclohexane	9.276	83	141493	27.10	ug/L	99
37) 1,2-Dichloropropane	9.306	63	89193	26.11	ug/L	100
38) Bromodichloromethane	9.582	83	114529	25.50	ug/L	97
39) cis-1,3-Dichloropropene	10.017	75	134543	26.32	ug/L	92
40) 4-Methyl-2-pentanone	10.158	43	101542	58.00	ug/L	99
42) Toluene	10.335	91	380635	28.11	ug/L	92
44) trans-1,3-Dichloropropene	10.553	75	117797	27.22	ug/L	98
45) 1,1,2-Trichloroethane	10.729	97	72160	26.00	ug/L	94
46) Tetrachloroethene	10.811	164	80665	25.53	ug/L	99
48) 2-Hexanone	10.917	43	74433	58.35	ug/L	95
49) Dibromochloromethane	11.070	129	87796	25.89	ug/L	99
50) 1,2-Dibromoethane	11.182	107	69912	26.13	ug/L	93
51) Chlorobenzene	11.605	112	238578	25.55	ug/L	98
52) Ethylbenzene	11.682	91	402801	27.43	ug/L	98
53) m,p-Xylene	11.794	106	158215	27.46	ug/L	92
54) o-Xylene	12.117	106	146044	26.89	ug/L	100
55) Styrene	12.135	104	268114	27.99	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.670	83	84090	24.81	ug/L	94
59) Bromoform	12.300	173	60126	24.41	ug/L	98
60) Isopropylbenzene	12.417	105	395032	26.58	ug/L	100
61) 1,2,3-Trichloropropane	12.723	75	57835	24.55	ug/L	98
62) 1,3,5-Trimethylbenzene	12.899	105	308816	26.93	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	306518	27.07	ug/L	99
64) 1,3-Dichlorobenzene	13.458	146	196940	25.30	ug/L	94
65) 1,4-Dichlorobenzene	13.535	146	204378	25.23	ug/L	99
67) 1,2-Dichlorobenzene	13.829	146	182116	25.91	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.446	75	13059	23.66	ug/L	90
69) 1,3,5-Trichlorobenzene	14.588	180	132079	24.55	ug/L	99
70) 1,2,4-trichlorobenzene	15.099	180	110516	25.11	ug/L	99
71) Naphthalene	15.329	128	200992	25.12	ug/L	100
72) 1,2,3-Trichlorobenzene	15.517	180	105177	25.49	ug/L	99

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

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