

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062325\
 Data File : VD080470.D
 Acq On : 23 Jun 2025 11:51
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025512

Quant Time: Jun 24 10:14:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 24 10:12:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	176025	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	172652	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	99006	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	64105	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
7) Chloroethane-d5	2.806	69	58103	22.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.28%
11) 1,1-Dichloroethene-d2	3.923	65	22896	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.96%
21) 2-Butanone-d5	6.982	46	25523m	51.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.16%
24) Chloroform-d	7.570	84	122960	25.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.48%
26) 1,2-Dichloroethane-d4	8.229	65	63143	25.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.92%
32) Benzene-d6	8.200	84	241518	25.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.76%
36) 1,2-Dichloropropane-d6	9.205	67	77265	24.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.20%
41) Toluene-d8	10.270	98	235367	26.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.08%
43) trans-1,3-Dichloroprop...	10.523	79	32784	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.04%
47) 2-Hexanone-d5	10.876	63	23180	49.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.00%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	72379	25.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.76%
66) 1,2-Dichlorobenzene-d4	13.811	152	89991	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	69111	24.82	ug/L	98
3) Chloromethane	2.147	50	66939	25.61	ug/L	100
5) Vinyl chloride	2.288	62	84338	26.44	ug/L	95
6) Bromomethane	2.700	94	57284	28.92	ug/L	93
8) Chloroethane	2.841	64	56325	25.65	ug/L	92
9) Trichlorofluoromethane	3.182	101	117556	26.85	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	73307	26.98	ug/L	95
12) 1,1-Dichloroethene	3.947	96	61123	27.70	ug/L	94
13) Acetone	4.017	43	26320	62.42	ug/L	63
14) Carbon disulfide	4.276	76	201203	26.87	ug/L	98
15) Methyl Acetate	4.564	43	27654	27.20	ug/L #	82
16) Methylene chloride	4.800	84	76937	28.20	ug/L	91
17) trans-1,2-Dichloroethene	5.317	96	71256	30.83	ug/L	96
18) Methyl tert-butyl Ether	5.323	73	133913	28.79	ug/L #	89
19) 1,1-Dichloroethane	6.106	63	124275	28.68	ug/L	97
20) cis-1,2-Dichloroethene	7.076	96	76946	30.53	ug/L	94
22) 2-Butanone	7.076	43	36004m	58.81	ug/L	
23) Bromochloromethane	7.423	128	40405	29.83	ug/L	96
25) Chloroform	7.594	83	146098	29.28	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.329	62	81780	29.20	ug/L	98
29) Cyclohexane	7.876	56	101466	28.31	ug/L	98
30) 1,1,1-Trichloroethane	7.794	97	117516	28.86	ug/L	98
31) Carbon tetrachloride	7.988	117	111565	28.56	ug/L	99
33) Benzene	8.252	78	286349	30.24	ug/L	100
34) Trichloroethene	9.029	95	79238	29.00	ug/L	95
35) Methylcyclohexane	9.270	83	118550	29.37	ug/L	99
37) 1,2-Dichloropropane	9.305	63	80502	30.48	ug/L #	97
38) Bromodichloromethane	9.582	83	103162	29.71	ug/L	98
39) cis-1,3-Dichloropropene	10.017	75	117153	29.64	ug/L	96
40) 4-Methyl-2-pentanone	10.158	43	77050	56.92	ug/L	98
42) Toluene	10.335	91	332845	31.79	ug/L	93
44) trans-1,3-Dichloropropene	10.552	75	102398	30.61	ug/L	98
45) 1,1,2-Trichloroethane	10.729	97	63445	29.56	ug/L	97
46) Tetrachloroethene	10.805	164	73072	29.91	ug/L	95
48) 2-Hexanone	10.917	43	58231	59.03	ug/L	97
49) Dibromochloromethane	11.070	129	79728	30.41	ug/L	95
50) 1,2-Dibromoethane	11.176	107	61736	29.84	ug/L	96
51) Chlorobenzene	11.605	112	215310	29.82	ug/L	97
52) Ethylbenzene	11.682	91	356198	31.37	ug/L	100
53) m,p-Xylene	11.793	106	141791	31.82	ug/L	96
54) o-Xylene	12.117	106	132571	31.57	ug/L	100
55) Styrene	12.135	104	242898	32.80	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.670	83	72902	27.81	ug/L	94
59) Bromoform	12.299	173	53566	27.58	ug/L	98
60) Isopropylbenzene	12.417	105	354392	30.25	ug/L	100
61) 1,2,3-Trichloropropane	12.723	75	49324	26.56	ug/L	99
62) 1,3,5-Trimethylbenzene	12.905	105	280349	31.02	ug/L	99
63) 1,2,4-Trimethylbenzene	13.211	105	277727	31.12	ug/L	98
64) 1,3-Dichlorobenzene	13.458	146	182241	29.70	ug/L	98
65) 1,4-Dichlorobenzene	13.535	146	186587	29.22	ug/L	98
67) 1,2-Dichlorobenzene	13.829	146	162600	29.35	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.446	75	10955	25.18	ug/L #	83
69) 1,3,5-Trichlorobenzene	14.593	180	120427	28.40	ug/L	100
70) 1,2,4-trichlorobenzene	15.099	180	101143	29.15	ug/L	100
71) Naphthalene	15.329	128	170085	26.97	ug/L	99
72) 1,2,3-Trichlorobenzene	15.517	180	94471	29.04	ug/L	99

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

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