

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080283.D
 Acq On : 18 Mar 2025 16:52
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD02506

Quant Time: Mar 24 11:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM031825SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Mar 24 09:47:37 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	175100	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	174219	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	85263	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	112829	19.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.28%
7) Chloroethane-d5	2.799	69	109107	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
11) 1,1-Dichloroethene-d2	3.916	65	27453	22.65	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.60%
21) 2-Butanone-d5	6.987	46	31908	52.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.46%
24) Chloroform-d	7.569	84	136572	25.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.16%
26) 1,2-Dichloroethane-d4	8.234	65	80163	27.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.68%
32) Benzene-d6	8.198	84	275747	27.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.36%
36) 1,2-Dichloropropane-d6	9.210	67	90704	27.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.48%
41) Toluene-d8	10.269	98	257526	28.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.08%
43) trans-1,3-Dichloroprop...	10.522	79	37516	27.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.00%
47) 2-Hexanone-d5	10.875	63	27387	57.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.26%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	70367	24.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.44%
66) 1,2-Dichlorobenzene-d4	13.816	152	77515	25.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.80%
Target Compounds						
2) Dichlorodifluoromethane	1.934	85	76559	23.52	ug/L	99
3) Chloromethane	2.157	50	120691	22.95	ug/L	98
5) Vinyl chloride	2.281	62	150234	21.97	ug/L	91
6) Bromomethane	2.693	94	83773	23.54	ug/L	93
8) Chloroethane	2.834	64	102293	22.12	ug/L	100
9) Trichlorofluoromethane	3.169	101	124927	24.49	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	72375	24.03	ug/L #	71
12) 1,1-Dichloroethene	3.940	96	61997	24.17	ug/L	99
13) Acetone	4.028	43	28130	43.23	ug/L	97
14) Carbon disulfide	4.269	76	229171	24.12	ug/L	96
15) Methyl Acetate	4.557	43	33675	24.50	ug/L	98
16) Methylene chloride	4.793	84	82342	24.01	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	69206	24.95	ug/L	96
18) Methyl tert-butyl Ether	5.328	73	147063	25.24	ug/L #	88
19) 1,1-Dichloroethane	6.110	63	135584	24.87	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	77981	26.07	ug/L	100
22) 2-Butanone	7.087	43	41533m	50.80	ug/L	
23) Bromochloromethane	7.422	128	36881	25.82	ug/L	96
25) Chloroform	7.592	83	159007	27.26	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	95861	26.33	ug/L #	94
29) Cyclohexane	7.881	56	111884	27.28	ug/L	98
30) 1,1,1-Trichloroethane	7.792	97	118530	25.89	ug/L	99
31) Carbon tetrachloride	7.987	117	101667	25.30	ug/L	97
33) Benzene	8.251	78	309992	27.38	ug/L	100
34) Trichloroethene	9.028	95	76672	25.37	ug/L	98
35) Methylcyclohexane	9.275	83	121096	28.28	ug/L	100
37) 1,2-Dichloropropane	9.304	63	89691	27.31	ug/L	99
38) Bromodichloromethane	9.581	83	110523	26.51	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	123302	25.90	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	93572	53.84	ug/L	98
42) Toluene	10.333	91	343567	28.42	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	112194	28.23	ug/L	96
45) 1,1,2-Trichloroethane	10.733	97	65890	26.79	ug/L	98
46) Tetrachloroethene	10.810	164	63829	27.18	ug/L	99
48) 2-Hexanone	10.922	43	68451	54.36	ug/L	99
49) Dibromochloromethane	11.075	129	71624	25.76	ug/L	97
50) 1,2-Dibromoethane	11.175	107	59302	27.21	ug/L	94
51) Chlorobenzene	11.604	112	206921	25.83	ug/L	99
52) Ethylbenzene	11.680	91	353159	26.81	ug/L	97
53) m,p-Xylene	11.792	106	136514	28.02	ug/L	94
54) o-Xylene	12.116	106	129253	27.94	ug/L	87
55) Styrene	12.133	104	235509	28.09	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.669	83	70293	23.61	ug/L	97
59) Bromoform	12.298	173	42450	26.88	ug/L	98
60) Isopropylbenzene	12.422	105	303763	26.46	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	47417	25.10	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	238392	26.36	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	239895	26.10	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	146026	25.46	ug/L	99
65) 1,4-Dichlorobenzene	13.533	146	154929	25.08	ug/L	98
67) 1,2-Dichlorobenzene	13.827	146	138651	26.15	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.439	75	10655	23.84	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	100731	26.70	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	79595	25.32	ug/L	99
71) Naphthalene	15.327	128	154414	26.15	ug/L	100
72) 1,2,3-Trichlorobenzene	15.521	180	77048	27.15	ug/L	97

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

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