

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
 Data File : VD077780.D
 Acq On : 07 Dec 2023 17:31
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025230

Quant Time: Dec 08 00:34:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	286645	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	278603	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	140156	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	138154	17.674	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.680%
7) Chloroethane-d5	2.811	69	136063	21.838	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.360%
11) 1,1-Dichloroethene-d2	3.928	65	39865	19.669	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.680%
21) 2-Butanone-d5	6.987	46	50828	51.448	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.900%
24) Chloroform-d	7.569	84	193781	25.083	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.320%
26) 1,2-Dichloroethane-d4	8.234	65	97689	24.957	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.840%
32) Benzene-d6	8.205	84	391663	23.342	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.360%
36) 1,2-Dichloropropane-d6	9.216	67	117928	23.034	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.120%
41) Toluene-d8	10.275	98	356360	23.074	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.280%
43) trans-1,3-Dichloroprop...	10.528	79	50901	22.483	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.920%
47) 2-Hexanone-d5	10.881	63	45392	51.453	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.900%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	97579	26.376	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.520%
66) 1,2-Dichlorobenzene-d4	13.816	152	120028	23.939	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	101154	22.105	ug/L	99
3) Chloromethane	2.152	50	123889	18.845	ug/L	97
5) Vinyl chloride	2.287	62	173991	21.248	ug/L	99
6) Bromomethane	2.699	94	60839	14.025	ug/L	98
8) Chloroethane	2.846	64	120760	23.626	ug/L	99
9) Trichlorofluoromethane	3.181	101	158423	22.684	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	97282	23.612	ug/L	97
12) 1,1-Dichloroethene	3.946	96	91030	23.346	ug/L #	87
13) Acetone	4.022	43	51193	40.443	ug/L	96
14) Carbon disulfide	4.275	76	312552	22.619	ug/L	98
15) Methyl Acetate	4.569	43	42253	23.318	ug/L	96
16) Methylene chloride	4.805	84	114942	22.583	ug/L	94
17) trans-1,2-Dichloroethene	5.322	96	105722	26.005	ug/L	92
18) Methyl tert-butyl Ether	5.322	73	227927	25.433	ug/L	98
19) 1,1-Dichloroethane	6.111	63	189726	24.762	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	118902	26.320	ug/L	98
22) 2-Butanone	7.087	43	65872	46.237	ug/L #	63
23) Bromochloromethane	7.434	128	51726	27.502	ug/L	89
25) Chloroform	7.605	83	195973	25.980	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	124639	26.416	ug/L	95
29) Cyclohexane	7.881	56	152357	20.724	ug/L	94
30) 1,1,1-Trichloroethane	7.799	97	157904	23.162	ug/L	98
31) Carbon tetrachloride	7.999	117	143566	23.947	ug/L	100
33) Benzene	8.252	78	439893	24.258	ug/L	100
34) Trichloroethene	9.028	95	110106	24.461	ug/L	98
35) Methylcyclohexane	9.275	83	174110	21.787	ug/L	96
37) 1,2-Dichloropropane	9.310	63	115009	24.325	ug/L	99
38) Bromodichloromethane	9.587	83	141552	24.620	ug/L	97
39) cis-1,3-Dichloropropene	10.022	75	179217	24.273	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	122632	47.004	ug/L	96
42) Toluene	10.334	91	477916	24.813	ug/L	94
44) trans-1,3-Dichloropropene	10.557	75	151776	24.611	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	82262	25.907	ug/L	96
46) Tetrachloroethene	10.810	164	86867	23.932	ug/L	97
48) 2-Hexanone	10.922	43	91956	41.466	ug/L	97
49) Dibromochloromethane	11.075	129	98733	26.150	ug/L	97
50) 1,2-Dibromoethane	11.181	107	81138	26.496	ug/L	99
51) Chlorobenzene	11.610	112	368840	30.883	ug/L	99
52) Ethylbenzene	11.687	91	516891	24.209	ug/L	97
53) m,p-Xylene	11.799	106	199247	24.697	ug/L	92
54) o-Xylene	12.122	106	194701	25.217	ug/L	94
55) Styrene	12.140	104	347285	25.705	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	99457	26.434	ug/L	98
59) Bromoform	12.298	173	62522	26.961	ug/L #	99
60) Isopropylbenzene	12.422	105	509326	24.347	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	66403	25.757	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	388943	24.754	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	396704	24.901	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	233719	25.834	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	278119	29.625	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	210334	25.837	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	13220	21.747	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	149326	24.239	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	138761	26.532	ug/L	99
71) Naphthalene	15.334	128	239600	25.060	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	118688	25.888	ug/L	98

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

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