

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120623\
 Data File : VD077755.D
 Acq On : 06 Dec 2023 09:34
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025227

Quant Time: Dec 07 00:31:46 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	308015	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	289493	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	148856	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	140263	16.699	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.800%
7) Chloroethane-d5	2.811	69	125038	18.676	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.720%
11) 1,1-Dichloroethene-d2	3.922	65	38926	17.873	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.480%
21) 2-Butanone-d5	6.987	46	46450	43.755	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.500%
24) Chloroform-d	7.575	84	182022	21.926	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.720%
26) 1,2-Dichloroethane-d4	8.234	65	89523	21.284	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.120%
32) Benzene-d6	8.204	84	370036	21.224	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.880%
36) 1,2-Dichloropropane-d6	9.216	67	112999	21.241	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.960%
41) Toluene-d8	10.275	98	339667	21.166	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.680%
43) trans-1,3-Dichloroprop...	10.528	79	49859	21.195	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.760%
47) 2-Hexanone-d5	10.881	63	41011	44.738	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.480%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	87396	22.735	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.920%
66) 1,2-Dichlorobenzene-d4	13.816	152	115836	21.752	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	116843	23.762	ug/L	99
3) Chloromethane	2.152	50	143236	20.276	ug/L	98
5) Vinyl chloride	2.293	62	195075	22.170	ug/L	97
6) Bromomethane	2.705	94	107959	23.160	ug/L	100
8) Chloroethane	2.846	64	127249	23.168	ug/L	98
9) Trichlorofluoromethane	3.187	101	179410	23.906	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	111224	25.123	ug/L	98
12) 1,1-Dichloroethene	3.952	96	101281	24.173	ug/L	94
13) Acetone	4.028	43	62037	45.610	ug/L	100
14) Carbon disulfide	4.281	76	342690	23.080	ug/L	98
15) Methyl Acetate	4.569	43	41897	21.518	ug/L #	83
16) Methylene chloride	4.811	84	107295	19.618	ug/L	94
17) trans-1,2-Dichloroethene	5.328	96	109061	24.965	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	222274	23.082	ug/L #	86
19) 1,1-Dichloroethane	6.122	63	192007	23.321	ug/L	96
20) cis-1,2-Dichloroethene	7.087	96	115257	23.743	ug/L	98
22) 2-Butanone	7.087	43	65159	42.563	ug/L #	64
23) Bromochloromethane	7.434	128	50305	24.891	ug/L	90
25) Chloroform	7.599	83	196903	24.292	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	119200	23.510	ug/L	98
29) Cyclohexane	7.881	56	174480	22.840	ug/L	93
30) 1,1,1-Trichloroethane	7.799	97	171286	24.180	ug/L	98
31) Carbon tetrachloride	7.993	117	155808	25.011	ug/L	100
33) Benzene	8.257	78	444714	23.602	ug/L	100
34) Trichloroethene	9.034	95	113620	24.292	ug/L	96
35) Methylcyclohexane	9.275	83	201456	24.261	ug/L	97
37) 1,2-Dichloropropane	9.310	63	114528	23.312	ug/L	99
38) Bromodichloromethane	9.587	83	141256	23.645	ug/L	100
39) cis-1,3-Dichloropropene	10.022	75	177663	23.158	ug/L	98
40) 4-Methyl-2-pentanone	10.163	43	118665	43.772	ug/L	97
42) Toluene	10.334	91	486382	24.303	ug/L	98
44) trans-1,3-Dichloropropene	10.557	75	150213	23.442	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	83119	25.192	ug/L	94
46) Tetrachloroethene	10.816	164	91945	24.378	ug/L	95
48) 2-Hexanone	10.928	43	101068	43.861	ug/L	97
49) Dibromochloromethane	11.075	129	94964	24.206	ug/L	99
50) 1,2-Dibromoethane	11.181	107	75724	23.798	ug/L	99
51) Chlorobenzene	11.610	112	303094	24.423	ug/L	95
52) Ethylbenzene	11.687	91	538136	24.256	ug/L	98
53) m,p-Xylene	11.798	106	202871	24.200	ug/L	98
54) o-Xylene	12.122	106	198667	24.763	ug/L	93
55) Styrene	12.140	104	347356	24.743	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	93628	23.949	ug/L	90
59) Bromoform	12.304	173	59707	24.242	ug/L #	97
60) Isopropylbenzene	12.422	105	544171	24.493	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	64294	23.481	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	401831	24.080	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	409664	24.212	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	228584	23.789	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	238016	23.872	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	208690	24.136	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	13485	20.887	ug/L	88
69) 1,3,5-Trichlorobenzene	14.598	180	159966	24.449	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	130244	23.448	ug/L	99
71) Naphthalene	15.334	128	234947	23.137	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	115760	23.773	ug/L	100

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

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