

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050223\
 Data File : VD075954.D
 Acq On : 02 May 2023 09:52
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025144

Quant Time: May 03 02:33:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 02 02:31:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	362669	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	333483	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	170511	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	196269	24.669	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.680%
7) Chloroethane-d5	2.805	69	172593	25.107	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.440%
11) 1,1-Dichloroethene-d2	3.922	65	42430	23.132	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.520%
21) 2-Butanone-d5	6.993	46	38513	55.761	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.520%
24) Chloroform-d	7.563	84	227600	25.096	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	8.228	65	102005	26.338	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.360%
32) Benzene-d6	8.199	84	483026	24.851	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	9.210	67	136333	25.341	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.360%
41) Toluene-d8	10.269	98	457996	25.169	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.680%
43) trans-1,3-Dichloroprop...	10.522	79	51704	23.251	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.000%
47) 2-Hexanone-d5	10.881	63	35753	55.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.380%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110041	26.730	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.920%
66) 1,2-Dichlorobenzene-d4	13.822	152	140023	23.217	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	141381	28.278	ug/L	100
3) Chloromethane	2.146	50	197658	28.360	ug/L	97
5) Vinyl chloride	2.281	62	255955	28.099	ug/L	99
6) Bromomethane	2.693	94	151689	24.783	ug/L	98
8) Chloroethane	2.840	64	164407	27.908	ug/L	100
9) Trichlorofluoromethane	3.175	101	197974	27.049	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	139601	28.391	ug/L	99
12) 1,1-Dichloroethene	3.940	96	125949	26.413	ug/L	89
13) Acetone	4.016	43	35861	60.672	ug/L	33
14) Carbon disulfide	4.269	76	429922	25.812	ug/L	99
15) Methyl Acetate	4.564	43	35824	27.967	ug/L #	61
16) Methylene chloride	4.805	84	146963	19.975	ug/L	93
17) trans-1,2-Dichloroethene	5.311	96	136693	25.565	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	215759	25.156	ug/L #	91
19) 1,1-Dichloroethane	6.105	63	216768	27.674	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	141327	24.997	ug/L	98
22) 2-Butanone	7.087	43	45633	59.220	ug/L	94
23) Bromochloromethane	7.428	128	70590	26.922	ug/L #	91
25) Chloroform	7.593	83	235452	26.820	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	125983	27.802	ug/L	99
29) Cyclohexane	7.875	56	159384	27.919	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	190823	27.045	ug/L	99
31) Carbon tetrachloride	7.987	117	157685	27.856	ug/L	98
33) Benzene	8.252	78	546920	27.113	ug/L	100
34) Trichloroethene	9.028	95	133367	25.566	ug/L	93
35) Methylcyclohexane	9.275	83	218381	27.152	ug/L	97
37) 1,2-Dichloropropane	9.304	63	130124	28.082	ug/L	99
38) Bromodichloromethane	9.581	83	166547	26.657	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	190830	25.896	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	101115	59.852	ug/L	94
42) Toluene	10.334	91	612858	28.075	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	158905	26.842	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	102503	26.002	ug/L	97
46) Tetrachloroethene	10.810	164	117420	27.443	ug/L	95
48) 2-Hexanone	10.922	43	74902	62.890	ug/L	93
49) Dibromochloromethane	11.075	129	114365	26.649	ug/L	92
50) 1,2-Dibromoethane	11.181	107	92911	26.143	ug/L	95
51) Chlorobenzene	11.610	112	380058	26.613	ug/L	100
52) Ethylbenzene	11.687	91	609929	27.248	ug/L	99
53) m,p-Xylene	11.793	106	251143	28.176	ug/L	97
54) o-Xylene	12.122	106	229141	27.066	ug/L	96
55) Styrene	12.140	104	413279	28.048	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	111175	27.718	ug/L	95
59) Bromoform	12.298	173	67169	25.703	ug/L	97
60) Isopropylbenzene	12.422	105	593338	26.243	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	69237	25.849	ug/L	99
62) 1,3,5-Trimethylbenzene	12.910	105	446745	26.498	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	434562	26.739	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	278938	25.785	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	289249	25.476	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	249503	25.827	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	13542	25.290	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	171017	23.586	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	134423	22.371	ug/L	99
71) Naphthalene	15.339	128	253264	23.032	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	129091	24.067	ug/L	97

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

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