

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050523\
 Data File : VD076016.D
 Acq On : 05 May 2023 10:02
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025150

Quant Time: May 06 00:18:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 05 00:35:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	363109	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	331201	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	175441	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	172238	21.623	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.480%
7) Chloroethane-d5	2.799	69	153328	22.278	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.120%
11) 1,1-Dichloroethene-d2	3.916	65	39679	21.606	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.440%
21) 2-Butanone-d5	6.987	46	40515	58.588	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.180%
24) Chloroform-d	7.569	84	214506	23.624	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.480%
26) 1,2-Dichloroethane-d4	8.228	65	96628	24.919	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.680%
32) Benzene-d6	8.198	84	446519	23.131	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.520%
36) 1,2-Dichloropropane-d6	9.210	67	128497	24.049	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.200%
41) Toluene-d8	10.269	98	415866	23.011	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.040%
43) trans-1,3-Dichloroprop...	10.528	79	51182	23.175	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.680%
47) 2-Hexanone-d5	10.875	63	36705	57.053	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.100%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110463	27.017	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.080%
66) 1,2-Dichlorobenzene-d4	13.816	152	135857	21.893	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	137814	27.531	ug/L	99
3) Chloromethane	2.146	50	194184	27.828	ug/L	100
5) Vinyl chloride	2.281	62	248986	27.301	ug/L	98
6) Bromomethane	2.693	94	137328	22.409	ug/L	94
8) Chloroethane	2.834	64	156776	26.580	ug/L	98
9) Trichlorofluoromethane	3.175	101	197299	26.925	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	137324	27.895	ug/L	98
12) 1,1-Dichloroethene	3.940	96	121042	25.353	ug/L	87
13) Acetone	4.022	43	35641	60.227	ug/L	97
14) Carbon disulfide	4.269	76	408316	24.486	ug/L	100
15) Methyl Acetate	4.563	43	38702	30.177	ug/L #	67
16) Methylene chloride	4.799	84	149115	20.243	ug/L	93
17) trans-1,2-Dichloroethene	5.316	96	131810	24.622	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	212742	24.774	ug/L	97
19) 1,1-Dichloroethane	6.116	63	212914	27.149	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	139900	24.714	ug/L	93
22) 2-Butanone	7.081	43	47411	61.453	ug/L	95
23) Bromochloromethane	7.428	128	68010	25.906	ug/L #	91
25) Chloroform	7.593	83	231149	26.298	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	124753	27.497	ug/L	97
29) Cyclohexane	7.875	56	164197	28.960	ug/L	92
30) 1,1,1-Trichloroethane	7.792	97	185001	26.401	ug/L	98
31) Carbon tetrachloride	7.987	117	154040	27.400	ug/L	98
33) Benzene	8.245	78	535231	26.716	ug/L	100
34) Trichloroethene	9.028	95	132141	25.505	ug/L	94
35) Methylcyclohexane	9.275	83	221400	27.717	ug/L	98
37) 1,2-Dichloropropane	9.304	63	131469	28.568	ug/L	99
38) Bromodichloromethane	9.581	83	163380	26.330	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	190358	26.010	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	105790	63.051	ug/L	94
42) Toluene	10.334	91	587723	27.109	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	159678	27.159	ug/L	98
45) 1,1,2-Trichloroethane	10.733	97	101297	25.873	ug/L	95
46) Tetrachloroethene	10.810	164	115105	27.087	ug/L	96
48) 2-Hexanone	10.922	43	76905	65.017	ug/L	93
49) Dibromochloromethane	11.075	129	109532	25.699	ug/L	98
50) 1,2-Dibromoethane	11.181	107	92521	26.212	ug/L	95
51) Chlorobenzene	11.610	112	367418	25.905	ug/L	98
52) Ethylbenzene	11.686	91	595614	26.792	ug/L	99
53) m,p-Xylene	11.792	106	239969	27.108	ug/L	99
54) o-Xylene	12.122	106	224840	26.741	ug/L	96
55) Styrene	12.133	104	399747	27.316	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	109510	27.491	ug/L	99
59) Bromoform	12.298	173	67763	25.202	ug/L	98
60) Isopropylbenzene	12.422	105	578749	24.878	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	70741	25.668	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	434514	25.049	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	424825	25.406	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	276324	24.825	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	282382	24.173	ug/L	100
67) 1,2-Dichlorobenzene	13.833	146	245138	24.662	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	13911	25.249	ug/L	88
69) 1,3,5-Trichlorobenzene	14.592	180	168913	22.641	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	134130	21.695	ug/L	98
71) Naphthalene	15.333	128	250498	22.140	ug/L	99
72) 1,2,3-Trichlorobenzene	15.521	180	126288	22.883	ug/L	99

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

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