Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051223\
Data File : VD076100.D
Acq On : 12 May 2023 10:55
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025156

Quant Time: May 14 23:50:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 12 02:22:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	420530	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	379617	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	209230	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	135729	21.099	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.400%			
7) Chloroethane-d5	2.799	69	125692	21.282	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.120%			
11) 1,1-Dichloroethene-d2	3.917	65	33117	20.449	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.800%			
21) 2-Butanone-d5	6.981	46	46034	53.147	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.300%			
24) Chloroform-d	7.563	84	196054	22.253	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 89.000%			
26) 1,2-Dichloroethane-d4	8.228	65	86073	22.226	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.920%			
32) Benzene-d6	8.199	84	384238	22.451	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.800%			
36) 1,2-Dichloropropane-d6	9.205	67	119379	22.637	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.560%			
41) Toluene-d8	10.269	98	352131	23.087	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.360%			
43) trans-1,3-Dichloroprop...	10.528	79	45262	22.864	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.440%			
47) 2-Hexanone-d5	10.881	63	39908	51.677	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.360%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110904	24.421	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 97.680%			
66) 1,2-Dichlorobenzene-d4	13.816	152	133466	22.330	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	145787	27.718	ug/L	99
3) Chloromethane	2.146	50	202618	27.099	ug/L	100
5) Vinyl chloride	2.281	62	264008	27.659	ug/L	99
6) Bromomethane	2.693	94	131044	22.131	ug/L	98
8) Chloroethane	2.834	64	162839	26.587	ug/L	94
9) Trichlorofluoromethane	3.170	101	219883	28.138	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	157895	28.364	ug/L	97
12) 1,1-Dichloroethene	3.934	96	134962	27.051	ug/L	85
13) Acetone	4.023	43	43535	56.418	ug/L	96
14) Carbon disulfide	4.264	76	423277	27.246	ug/L	99
15) Methyl Acetate	4.558	43	43630	26.288	ug/L	99
16) Methylene chloride	4.793	84	164376	24.039	ug/L	96
17) trans-1,2-Dichloroethene	5.305	96	144138	26.982	ug/L	94
18) Methyl tert-butyl Ether	5.317	73	255970	27.002	ug/L	97
19) 1,1-Dichloroethane	6.105	63	240042	26.364	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	153877	25.985	ug/L	93
22) 2-Butanone	7.081	43	60075	55.723	ug/L #	65
23) Bromochloromethane	7.422	128	75353	26.030	ug/L #	92
25) Chloroform	7.593	83	253685	26.094	ug/L	96

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Quant Title : SFAM01.0
QLast Update : Fri May 12 02:22:21 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	137135	26.768	ug/L		99
29) Cyclohexane	7.875	56	192548	30.578	ug/L		90
30) 1,1,1-Trichloroethane	7.793	97	210193	27.257	ug/L		98
31) Carbon tetrachloride	7.987	117	173766	28.603	ug/L		99
33) Benzene	8.246	78	578347	27.403	ug/L		100
34) Trichloroethene	9.028	95	144443	26.515	ug/L		94
35) Methylcyclohexane	9.269	83	249733	30.257	ug/L		97
37) 1,2-Dichloropropane	9.305	63	145950	27.113	ug/L		100
38) Bromodichloromethane	9.587	83	181789	26.358	ug/L		98
39) cis-1,3-Dichloropropene	10.016	75	213143	27.488	ug/L		96
40) 4-Methyl-2-pentanone	10.157	43	129519	59.693	ug/L		95
42) Toluene	10.334	91	641624	28.477	ug/L		100
44) trans-1,3-Dichloropropene	10.552	75	178142	27.534	ug/L		94
45) 1,1,2-Trichloroethane	10.734	97	116728	26.855	ug/L		94
46) Tetrachloroethene	10.810	164	128939	28.331	ug/L		97
48) 2-Hexanone	10.922	43	96626	61.368	ug/L		91
49) Dibromochloromethane	11.075	129	125970	26.861	ug/L		97
50) 1,2-Dibromoethane	11.181	107	103691	27.011	ug/L		95
51) Chlorobenzene	11.610	112	406986	26.540	ug/L		98
52) Ethylbenzene	11.687	91	656535	28.088	ug/L		99
53) m,p-Xylene	11.793	106	259839	28.507	ug/L		97
54) o-Xylene	12.122	106	247961	28.685	ug/L		100
55) Styrene	12.134	104	444217	29.006	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	128762	26.461	ug/L		100
59) Bromoform	12.299	173	76046	25.011	ug/L		100
60) Isopropylbenzene	12.422	105	653444	27.506	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	82751	24.588	ug/L		99
62) 1,3,5-Trimethylbenzene	12.904	105	485429	26.633	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	509384	29.222	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	320896	26.017	ug/L		98
65) 1,4-Dichlorobenzene	13.540	146	333853	26.019	ug/L		98
67) 1,2-Dichlorobenzene	13.834	146	295805	26.293	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.445	75	17633	26.117	ug/L	#	85
69) 1,3,5-Trichlorobenzene	14.593	180	208208	26.566	ug/L		98
70) 1,2,4-trichlorobenzene	15.098	180	153769	24.791	ug/L		99
71) Naphthalene	15.334	128	303982	26.080	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	147279	26.111	ug/L		98

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

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