Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101223\
Data File : VW027293.D
Acq On : 12 Oct 2023 12:32
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025520

Quant Time: Oct 12 21:54:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 12 01:13:49 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	517286	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	470031	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	238433	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	181725	23.019	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.080%			
7) Chloroethane-d5	2.899	69	140273	24.746	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.000%			
11) 1,1-Dichloroethene-d2	4.027	65	87827	22.202	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 88.800%			
21) 2-Butanone-d5	7.069	46	117158	44.649	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.300%			
24) Chloroform-d	7.648	84	371906	24.122	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.480%			
26) 1,2-Dichloroethane-d4	8.307	65	197530	23.851	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.400%			
32) Benzene-d6	8.270	84	763804	24.018	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.080%			
36) 1,2-Dichloropropane-d6	9.270	67	233207	24.009	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.040%			
41) Toluene-d8	10.325	98	676397	23.455	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.840%			
43) trans-1,3-Dichloroprop...	10.575	79	105281	23.773	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.080%			
47) 2-Hexanone-d5	10.922	63	96288	47.914	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 95.820%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	170341	23.505	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 94.040%			
66) 1,2-Dichlorobenzene-d4	13.848	152	208470	24.127	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	128085	20.811	ug/L #	83
3) Chloromethane	2.228	50	162375	22.956	ug/L	99
5) Vinyl chloride	2.381	62	172600	21.846	ug/L	97
6) Bromomethane	2.789	94	103259	22.945	ug/L	94
8) Chloroethane	2.930	64	102420	22.520	ug/L	96
9) Trichlorofluoromethane	3.265	101	127091	22.800	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	156784	22.462	ug/L	95
12) 1,1-Dichloroethene	4.045	96	154684	22.804	ug/L	99
13) Acetone	4.118	43	101156	44.634	ug/L	99
14) Carbon disulfide	4.387	76	448409	21.324	ug/L	99
15) Methyl Acetate	4.667	43	84829	21.915	ug/L	98
16) Methylene chloride	4.923	84	172289	18.195	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	166254	22.806	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	280553	22.306	ug/L	99
19) 1,1-Dichloroethane	6.216	63	345535	23.232	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	193081	23.453	ug/L	97
22) 2-Butanone	7.167	43	136438	40.220	ug/L	100
23) Bromochloromethane	7.514	128	78403	23.067	ug/L	95
25) Chloroform	7.673	83	331721	23.830	ug/L	99

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	221392	23.413	ug/L	98
29) Cyclohexane	7.953	56	314524	22.039	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	264355	23.056	ug/L	100
31) Carbon tetrachloride	8.069	117	229742	22.222	ug/L	95
33) Benzene	8.319	78	713913	23.241	ug/L	100
34) Trichloroethene	9.087	95	186797	23.021	ug/L	96
35) Methylcyclohexane	9.331	83	324107	22.336	ug/L	100
37) 1,2-Dichloropropane	9.367	63	196304	23.635	ug/L	100
38) Bromodichloromethane	9.642	83	235695	23.078	ug/L	94
39) cis-1,3-Dichloropropene	10.069	75	315871	23.022	ug/L	100
40) 4-Methyl-2-pentanone	10.203	43	258077	45.181	ug/L	99
42) Toluene	10.386	91	741417	23.008	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	264404	22.839	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	135902	23.778	ug/L	99
46) Tetrachloroethene	10.861	164	127669	22.787	ug/L	95
48) 2-Hexanone	10.965	43	194301	45.959	ug/L	100
49) Dibromochloromethane	11.129	129	146363	23.058	ug/L	98
50) 1,2-Dibromoethane	11.233	107	128267	23.147	ug/L	97
51) Chlorobenzene	11.654	112	481035	23.838	ug/L	95
52) Ethylbenzene	11.727	91	879039	23.474	ug/L	97
53) m,p-Xylene	11.837	106	325635	22.927	ug/L	96
54) o-Xylene	12.160	106	315337	23.185	ug/L	99
55) Styrene	12.178	104	555108	23.898	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.708	83	162436	23.281	ug/L	97
59) Bromoform	12.343	173	81735	23.037	ug/L	97
60) Isopropylbenzene	12.458	105	868361	23.183	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	118987	22.855	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	716791	22.942	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	729573	23.866	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	363477	23.930	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	360458	23.763	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	315098	23.378	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	28703	22.060	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	228194	23.143	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	198869	23.696	ug/L	99
71) Naphthalene	15.360	128	399297	23.136	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	167433	24.262	ug/L	94

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

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