Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
Data File : VW027335.D
Acq On : 18 Oct 2023 19:43
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

Quant Time: Oct 18 22:24:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 18 22:20:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	492682	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	455415	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	232973	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	127481	16.954	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 67.800%			
7) Chloroethane-d5	2.899	69	102228	18.935	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.720%			
11) 1,1-Dichloroethene-d2	4.027	65	66464	17.641	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 70.560%			
21) 2-Butanone-d5	7.081	46	83255	33.313	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 66.620%			
24) Chloroform-d	7.648	84	287969	19.611	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 78.440%			
26) 1,2-Dichloroethane-d4	8.307	65	150166	19.037	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 76.160%			
32) Benzene-d6	8.276	84	575956	18.693	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 74.760%			
36) 1,2-Dichloropropane-d6	9.276	67	179462	19.069	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 76.280%			
41) Toluene-d8	10.325	98	505206	18.081	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 72.320%			
43) trans-1,3-Dichloroprop...	10.575	79	72213	16.829	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 67.320%			
47) 2-Hexanone-d5	10.922	63	65570	33.675	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 67.360%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	128745	18.336	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 73.360%			
66) 1,2-Dichlorobenzene-d4	13.848	152	154299	18.276	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 73.120%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	108827	18.565	ug/L #	86
3) Chloromethane	2.222	50	147015	21.823	ug/L	99
5) Vinyl chloride	2.375	62	160928	21.385	ug/L	99
6) Bromomethane	2.789	94	92338	21.543	ug/L	99
8) Chloroethane	2.936	64	96312	22.235	ug/L	96
9) Trichlorofluoromethane	3.265	101	121017	22.795	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	127207	19.135	ug/L	94
12) 1,1-Dichloroethene	4.045	96	138754	21.477	ug/L	88
13) Acetone	4.137	43	70473	32.648	ug/L	98
14) Carbon disulfide	4.387	76	408373	20.390	ug/L	99
15) Methyl Acetate	4.673	43	77540	21.032	ug/L	97
16) Methylene chloride	4.917	84	161076	17.861	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	153267	22.074	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	274802	22.940	ug/L	100
19) 1,1-Dichloroethane	6.222	63	328357	23.179	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	179252	22.861	ug/L	96
22) 2-Butanone	7.173	43	107762	33.353	ug/L	99
23) Bromochloromethane	7.520	128	72906	22.521	ug/L	99
25) Chloroform	7.679	83	309723	23.361	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	210542	23.377	ug/L		99
29) Cyclohexane	7.959	56	282374	20.421	ug/L		99
30) 1,1,1-Trichloroethane	7.874	97	247125	22.245	ug/L		99
31) Carbon tetrachloride	8.069	117	210499	21.014	ug/L		99
33) Benzene	8.325	78	674636	22.667	ug/L		100
34) Trichloroethene	9.093	95	175612	22.337	ug/L		95
35) Methylcyclohexane	9.337	83	287437	20.445	ug/L		100
37) 1,2-Dichloropropane	9.367	63	187530	23.303	ug/L		99
38) Bromodichloromethane	9.642	83	224075	22.644	ug/L		100
39) cis-1,3-Dichloropropene	10.075	75	284124	21.373	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	228565	41.299	ug/L		100
42) Toluene	10.386	91	710477	22.755	ug/L		99
44) trans-1,3-Dichloropropene	10.605	75	235602	21.004	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	125862	22.728	ug/L		98
46) Tetrachloroethene	10.861	164	117094	21.570	ug/L		96
48) 2-Hexanone	10.965	43	154193	37.642	ug/L		99
49) Dibromochloromethane	11.129	129	132930	21.614	ug/L		92
50) 1,2-Dibromoethane	11.233	107	116986	21.788	ug/L	#	98
51) Chlorobenzene	11.654	112	441825	22.598	ug/L		99
52) Ethylbenzene	11.727	91	813699	22.427	ug/L		95
53) m,p-Xylene	11.837	106	301819	21.932	ug/L		97
54) o-Xylene	12.166	106	293236	22.252	ug/L		96
55) Styrene	12.178	104	510298	22.674	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.708	83	146540	21.676	ug/L		98
59) Bromoform	12.349	173	68577	19.782	ug/L		99
60) Isopropylbenzene	12.458	105	779510	21.299	ug/L		97
61) 1,2,3-Trichloropropane	12.763	75	107581	21.149	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	662850	21.713	ug/L		99
63) 1,2,4-Trimethylbenzene	13.251	105	621995	20.824	ug/L		98
64) 1,3-Dichlorobenzene	13.495	146	327716	22.081	ug/L		94
65) 1,4-Dichlorobenzene	13.574	146	330114	22.273	ug/L		98
67) 1,2-Dichlorobenzene	13.867	146	287236	21.810	ug/L		94
68) 1,2-Dibromo-3-chloropr...	14.482	75	23814	18.731	ug/L		95
69) 1,3,5-Trichlorobenzene	14.623	180	198344	20.587	ug/L		94
70) 1,2,4-trichlorobenzene	15.129	180	167264	20.397	ug/L		99
71) Naphthalene	15.360	128	327607	19.427	ug/L		98
72) 1,2,3-Trichlorobenzene	15.549	180	142276	21.100	ug/L		93

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

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