Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071423\
Data File : VW026614.D
Acq On : 14 Jul 2023 13:26
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025561

Quant Time: Jul 15 05:14:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jul 15 05:08:34 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	677496	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	609414	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	307481	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	200502	17.545	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 70.160%			
7) Chloroethane-d5	2.893	69	158707	19.791	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.160%			
11) 1,1-Dichloroethene-d2	4.027	65	97786	18.221	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 72.880%			
21) 2-Butanone-d5	7.075	46	140634	38.078	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 76.160%			
24) Chloroform-d	7.648	84	444775	22.803	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 91.200%			
26) 1,2-Dichloroethane-d4	8.301	65	241996	22.220	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.880%			
32) Benzene-d6	8.270	84	888719	21.244	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 84.960%			
36) 1,2-Dichloropropane-d6	9.270	67	284740	22.135	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.560%			
41) Toluene-d8	10.319	98	763365	21.275	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.080%			
43) trans-1,3-Dichloroprop...	10.575	79	105406	20.448	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 81.800%			
47) 2-Hexanone-d5	10.922	63	100295	39.957	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 79.920%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	221036	20.291	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 81.160%			
66) 1,2-Dichlorobenzene-d4	13.848	152	246651	21.848	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	141832	18.558	ug/L	95
3) Chloromethane	2.223	50	237516	21.752	ug/L	100
5) Vinyl chloride	2.375	62	237458	20.634	ug/L	95
6) Bromomethane	2.789	94	133442	21.813	ug/L	99
8) Chloroethane	2.930	64	142361	22.123	ug/L	98
9) Trichlorofluoromethane	3.265	101	156950	18.413	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	210781	22.282	ug/L #	71
12) 1,1-Dichloroethene	4.045	96	198163	21.834	ug/L	90
13) Acetone	4.119	43	79565	29.949	ug/L	98
14) Carbon disulfide	4.393	76	670325	21.069	ug/L	100
15) Methyl Acetate	4.667	43	123779	19.393	ug/L	99
16) Methylene chloride	4.917	84	234809	19.619	ug/L	95
17) trans-1,2-Dichloroethene	5.423	96	219124	22.581	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	340408	22.413	ug/L	99
19) 1,1-Dichloroethane	6.210	63	463173	23.873	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	240997	23.983	ug/L	95
22) 2-Butanone	7.167	43	154574	38.207	ug/L	98
23) Bromochloromethane	7.508	128	103984	24.158	ug/L	95
25) Chloroform	7.673	83	432400	24.324	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	300684	24.027	ug/L		99
29) Cyclohexane	7.953	56	402420	21.209	ug/L		100
30) 1,1,1-Trichloroethane	7.868	97	327687	21.938	ug/L		99
31) Carbon tetrachloride	8.069	117	298764	22.035	ug/L		100
33) Benzene	8.319	78	971660	23.140	ug/L		100
34) Trichloroethene	9.093	95	238879	22.147	ug/L		96
35) Methylcyclohexane	9.331	83	417902	21.577	ug/L		100
37) 1,2-Dichloropropane	9.368	63	265468	23.807	ug/L		99
38) Bromodichloromethane	9.642	83	305078	24.080	ug/L		94
39) cis-1,3-Dichloropropene	10.069	75	380937	23.728	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	342352	40.676	ug/L		99
42) Toluene	10.386	91	1008748	23.789	ug/L		99
44) trans-1,3-Dichloropropene	10.605	75	318188	23.500	ug/L		97
45) 1,1,2-Trichloroethane	10.782	97	177561	22.815	ug/L		99
46) Tetrachloroethene	10.861	164	163114	21.302	ug/L		93
48) 2-Hexanone	10.965	43	240331	40.916	ug/L		98
49) Dibromochloromethane	11.123	129	185579	24.082	ug/L		97
50) 1,2-Dibromoethane	11.233	107	163500	22.286	ug/L		98
51) Chlorobenzene	11.654	112	607910	23.381	ug/L		95
52) Ethylbenzene	11.727	91	1117571	23.673	ug/L		99
53) m,p-Xylene	11.837	106	418260	24.353	ug/L		90
54) o-Xylene	12.160	106	388607	24.106	ug/L		100
55) Styrene	12.178	104	689131	25.344	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.708	83	218843	21.426	ug/L		99
59) Bromoform	12.343	173	107041	22.011	ug/L		97
60) Isopropylbenzene	12.465	105	1070763	22.508	ug/L		99
61) 1,2,3-Trichloropropane	12.769	75	161722	19.473	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	868709	23.807	ug/L		99
63) 1,2,4-Trimethylbenzene	13.245	105	864773	23.904	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	453507	22.718	ug/L		98
65) 1,4-Dichlorobenzene	13.574	146	453614	22.785	ug/L		99
67) 1,2-Dichlorobenzene	13.867	146	403966	22.865	ug/L	#	84
68) 1,2-Dibromo-3-chloropr...	14.482	75	37354	18.897	ug/L		98
69) 1,3,5-Trichlorobenzene	14.623	180	292077	22.110	ug/L		100
70) 1,2,4-trichlorobenzene	15.129	180	246670	22.754	ug/L		97
71) Naphthalene	15.360	128	530354	21.603	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	227467	22.288	ug/L		99

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

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