Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071223\
Data File : VW026604.D
Acq On : 12 Jul 2023 12:07
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

Quant Time: Jul 13 04:41:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jul 13 04:40:12 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	673663	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	601645	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	295930	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	224146	19.725	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 78.920%			
7) Chloroethane-d5	2.893	69	170411	21.372	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.480%			
11) 1,1-Dichloroethene-d2	4.021	65	109155	20.455	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.800%			
21) 2-Butanone-d5	7.069	46	146837	39.983	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 79.960%			
24) Chloroform-d	7.648	84	455101	23.465	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.840%			
26) 1,2-Dichloroethane-d4	8.301	65	243786	22.512	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.040%			
32) Benzene-d6	8.270	84	933816	22.610	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 90.440%			
36) 1,2-Dichloropropane-d6	9.270	67	287322	22.625	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.480%			
41) Toluene-d8	10.319	98	799709	22.575	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.320%			
43) trans-1,3-Dichloroprop...	10.575	79	112571	22.120	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.480%			
47) 2-Hexanone-d5	10.922	63	104348	42.109	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 84.220%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	226602	21.071	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 84.280%			
66) 1,2-Dichlorobenzene-d4	13.848	152	245795	22.622	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 90.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	170205m	22.398	ug/L	
3) Chloromethane	2.223	50	234164	21.567	ug/L	99
5) Vinyl chloride	2.375	62	238806	20.869	ug/L	100
6) Bromomethane	2.783	94	134261	22.071	ug/L	98
8) Chloroethane	2.930	64	141627	22.134	ug/L	97
9) Trichlorofluoromethane	3.265	101	169525	20.002	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	209549	22.278	ug/L	96
12) 1,1-Dichloroethene	4.039	96	199165	22.069	ug/L	97
13) Acetone	4.119	43	100285	37.963	ug/L	97
14) Carbon disulfide	4.387	76	688866	21.775	ug/L	99
15) Methyl Acetate	4.667	43	125562	19.784	ug/L	99
16) Methylene chloride	4.911	84	241662	20.306	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	219558	22.754	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	332829	22.039	ug/L	99
19) 1,1-Dichloroethane	6.210	63	447232	23.182	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	239839	24.003	ug/L	97
22) 2-Butanone	7.167	43	164907	40.993	ug/L	99
23) Bromochloromethane	7.514	128	99566	23.263	ug/L	98
25) Chloroform	7.673	83	421266	23.833	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	290535	23.349	ug/L		99
29) Cyclohexane	7.953	56	422244	22.541	ug/L		99
30) 1,1,1-Trichloroethane	7.868	97	328588	22.283	ug/L		98
31) Carbon tetrachloride	8.063	117	299906	22.405	ug/L		99
33) Benzene	8.319	78	955741	23.055	ug/L		100
34) Trichloroethene	9.093	95	240556	22.590	ug/L		98
35) Methylcyclohexane	9.331	83	436006	22.803	ug/L		99
37) 1,2-Dichloropropane	9.368	63	260056	23.622	ug/L		99
38) Bromodichloromethane	9.642	83	292216	23.363	ug/L		98
39) cis-1,3-Dichloropropene	10.075	75	375163	23.670	ug/L		97
40) 4-Methyl-2-pentanone	10.209	43	341268	41.071	ug/L		99
42) Toluene	10.386	91	996973	23.815	ug/L		97
44) trans-1,3-Dichloropropene	10.605	75	314206	23.506	ug/L		97
45) 1,1,2-Trichloroethane	10.782	97	171717	22.349	ug/L		98
46) Tetrachloroethene	10.861	164	174996	23.149	ug/L		90
48) 2-Hexanone	10.965	43	235011	40.527	ug/L		98
49) Dibromochloromethane	11.123	129	179567	23.602	ug/L		97
50) 1,2-Dibromoethane	11.233	107	162582	22.447	ug/L		100
51) Chlorobenzene	11.654	112	591111	23.029	ug/L		98
52) Ethylbenzene	11.727	91	1130882	24.264	ug/L		96
53) m,p-Xylene	11.837	106	409081	24.126	ug/L		96
54) o-Xylene	12.160	106	390147	24.514	ug/L		99
55) Styrene	12.178	104	677837	25.250	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.708	83	217795	21.599	ug/L		94
59) Bromoform	12.349	173	103221	22.054	ug/L		98
60) Isopropylbenzene	12.458	105	1086350	23.727	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	163142	20.411	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	868926	24.743	ug/L		100
63) 1,2,4-Trimethylbenzene	13.245	105	851397	24.453	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	438017	22.798	ug/L		99
65) 1,4-Dichlorobenzene	13.574	146	446480	23.302	ug/L		98
67) 1,2-Dichlorobenzene	13.867	146	378158	22.240	ug/L	#	86
68) 1,2-Dibromo-3-chloropr...	14.476	75	35698	18.764	ug/L		95
69) 1,3,5-Trichlorobenzene	14.623	180	288019	22.653	ug/L		99
70) 1,2,4-trichlorobenzene	15.129	180	241125	23.110	ug/L		96
71) Naphthalene	15.360	128	508091	21.504	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	218080	22.202	ug/L		100

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

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