Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051523\
Data File : VW025983.D
Acq On : 15 May 2023 17:00
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025490

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

Quant Time: May 15 23:37:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0
QLast Update : Mon May 15 23:34:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	8.843	114	560524	25.000 ug/L	0.00
28) Chlorobenzene-d5	11.629	117	517391	25.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	252249	25.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.363	65	177830	22.388 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.560%		
7) Chloroethane-d5	2.893	69	147523	25.052 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.200%		
11) 1,1-Dichloroethene-d2	4.021	65	76155	19.147 ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.600%		
21) 2-Butanone-d5	7.075	46	138445	52.724 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.440%		
24) Chloroform-d	7.648	84	408276	25.260 ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.040%		
26) 1,2-Dichloroethane-d4	8.307	65	224367	24.549 ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.200%		
32) Benzene-d6	8.270	84	804843	23.807 ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.240%		
36) 1,2-Dichloropropane-d6	9.270	67	257734	23.827 ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.320%		
41) Toluene-d8	10.318	98	697089	23.123 ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.480%		
43) trans-1,3-Dichloroprop...	10.575	79	97874	22.322 ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 89.280%		
47) 2-Hexanone-d5	10.922	63	95539	51.797 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.600%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	214392	26.004 ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.000%		
66) 1,2-Dichlorobenzene-d4	13.848	152	222036	24.146 ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.600%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.015	85	164197m	26.220 ug/L	
3) Chloromethane	2.222	50	232805	25.213 ug/L	99
5) Vinyl chloride	2.375	62	242569	25.381 ug/L	97
6) Bromomethane	2.783	94	131100	25.221 ug/L	95
8) Chloroethane	2.930	64	144061	26.510 ug/L	98
9) Trichlorofluoromethane	3.265	101	136504	18.926 ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	175292	22.347 ug/L	99
12) 1,1-Dichloroethene	4.045	96	161331	21.521 ug/L	100
13) Acetone	4.124	43	74281	31.903 ug/L	97
14) Carbon disulfide	4.393	76	524421	20.686 ug/L	99
15) Methyl Acetate	4.667	43	115436	25.158 ug/L	99
16) Methylene chloride	4.917	84	210972	18.251 ug/L	95
17) trans-1,2-Dichloroethene	5.423	96	207588	25.384 ug/L	98
18) Methyl tert-butyl Ether	5.423	73	316105	25.467 ug/L	99
19) 1,1-Dichloroethane	6.216	63	439486	26.156 ug/L	96
20) cis-1,2-Dichloroethene	7.167	96	226497	25.815 ug/L	99
22) 2-Butanone	7.173	43	143627	44.674 ug/L	99
23) Bromochloromethane	7.514	128	94834	25.514 ug/L	93
25) Chloroform	7.673	83	411743	26.662 ug/L	98

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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	277323	25.286	ug/L		98
29) Cyclohexane	7.959	56	386669	24.116	ug/L		99
30) 1,1,1-Trichloroethane	7.868	97	321653	25.420	ug/L		100
31) Carbon tetrachloride	8.069	117	285409	25.064	ug/L		100
33) Benzene	8.325	78	911724	25.470	ug/L		100
34) Trichloroethene	9.093	95	225020	24.497	ug/L		97
35) Methylcyclohexane	9.337	83	401105	24.552	ug/L		99
37) 1,2-Dichloropropane	9.367	63	251040	25.598	ug/L		100
38) Bromodichloromethane	9.642	83	284830	25.315	ug/L		96
39) cis-1,3-Dichloropropene	10.069	75	345881	24.050	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	323134	50.620	ug/L		99
42) Toluene	10.386	91	941349	25.737	ug/L		100
44) trans-1,3-Dichloropropene	10.605	75	293049	24.591	ug/L		100
45) 1,1,2-Trichloroethane	10.782	97	166425	25.368	ug/L		98
46) Tetrachloroethene	10.861	164	162975	25.220	ug/L		91
48) 2-Hexanone	10.965	43	222779	48.715	ug/L		99
49) Dibromochloromethane	11.123	129	175051	25.774	ug/L		92
50) 1,2-Dibromoethane	11.233	107	153063	25.309	ug/L	#	97
51) Chlorobenzene	11.654	112	553313	24.420	ug/L		100
52) Ethylbenzene	11.727	91	1050834	25.541	ug/L		97
53) m,p-Xylene	11.836	106	384760	25.409	ug/L		98
54) o-Xylene	12.160	106	360079	25.229	ug/L		97
55) Styrene	12.178	104	630721	25.819	ug/L		96
57) 1,1,2,2-Tetrachloroethane	12.714	83	210633	25.732	ug/L		97
59) Bromoform	12.349	173	99298	26.576	ug/L		98
60) Isopropylbenzene	12.458	105	1022560	26.669	ug/L		98
61) 1,2,3-Trichloropropane	12.763	75	155753	26.126	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	796044	26.212	ug/L		97
63) 1,2,4-Trimethylbenzene	13.245	105	720787	25.720	ug/L		97
64) 1,3-Dichlorobenzene	13.495	146	412191	24.972	ug/L		94
65) 1,4-Dichlorobenzene	13.574	146	413127	24.774	ug/L		95
67) 1,2-Dichlorobenzene	13.867	146	381594	25.923	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.476	75	33030	23.893	ug/L		94
69) 1,3,5-Trichlorobenzene	14.623	180	256404	23.402	ug/L		97
70) 1,2,4-trichlorobenzene	15.129	180	218620	23.817	ug/L		98
71) Naphthalene	15.360	128	427875	24.697	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	195766	24.037	ug/L		99

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

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