Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051023\
Data File : VW025939.D
Acq On : 10 May 2023 19:02
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025484

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/11/2023
Supervised By :Mahesh Dadoda 05/11/2023

Quant Time: May 11 02:13:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 05 23:47:36 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	570014	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	514811	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	253824	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	182361	22.576	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.320%			
7) Chloroethane-d5	2.899	69	134774	22.506	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.040%			
11) 1,1-Dichloroethene-d2	4.021	65	93421	23.097	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 92.400%			
21) 2-Butanone-d5	7.075	46	124955	46.794	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.580%			
24) Chloroform-d	7.648	84	426550	25.952	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 103.800%			
26) 1,2-Dichloroethane-d4	8.301	65	224762	24.183	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.720%			
32) Benzene-d6	8.270	84	832655	24.753	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.000%			
36) 1,2-Dichloropropane-d6	9.270	67	273569	25.418	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 101.680%			
41) Toluene-d8	10.319	98	728760	24.295	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.160%			
43) trans-1,3-Dichloroprop...	10.575	79	102110	23.405	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.600%			
47) 2-Hexanone-d5	10.922	63	89065	48.529	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.060%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	203291	24.782	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.120%			
66) 1,2-Dichlorobenzene-d4	13.854	152	223770	24.184	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	179495m	28.186	ug/L	
3) Chloromethane	2.222	50	252769	26.920	ug/L	99
5) Vinyl chloride	2.375	62	232913	23.965	ug/L	95
6) Bromomethane	2.783	94	125422	23.727	ug/L	97
8) Chloroethane	2.930	64	127553	23.081	ug/L	97
9) Trichlorofluoromethane	3.265	101	178135	24.287	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	209323	26.241	ug/L	97
12) 1,1-Dichloroethene	4.045	96	192299	25.225	ug/L	97
13) Acetone	4.118	43	97244	41.070	ug/L	97
14) Carbon disulfide	4.393	76	610920	23.697	ug/L	99
15) Methyl Acetate	4.667	43	105980	22.713	ug/L	98
16) Methylene chloride	4.917	84	264895	22.534	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	206535	24.834	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	306576	24.288	ug/L	99
19) 1,1-Dichloroethane	6.216	63	437186	25.586	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	228196	25.576	ug/L	99
22) 2-Butanone	7.167	43	140147	42.866	ug/L	98
23) Bromochloromethane	7.508	128	94495	24.999	ug/L	95
25) Chloroform	7.673	83	409745	26.091	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	279321	25.044	ug/L	99
29) Cyclohexane	7.953	56	401704	25.179	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	320787	25.479	ug/L	100
31) Carbon tetrachloride	8.069	117	284929	25.147	ug/L	99
33) Benzene	8.319	78	915570	25.706	ug/L	100
34) Trichloroethene	9.087	95	229705	25.133	ug/L	94
35) Methylcyclohexane	9.331	83	403720	24.836	ug/L	99
37) 1,2-Dichloropropane	9.367	63	249953	25.615	ug/L	99
38) Bromodichloromethane	9.642	83	286718	25.610	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	354651	24.783	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	300904	47.374	ug/L	99
42) Toluene	10.386	91	944935	25.965	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	294437	24.831	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	160312	24.559	ug/L	97
46) Tetrachloroethene	10.861	164	157498	24.495	ug/L	95
48) 2-Hexanone	10.965	43	212611	46.725	ug/L	99
49) Dibromochloromethane	11.123	129	170232	25.190	ug/L	91
50) 1,2-Dibromoethane	11.233	107	145888	24.243	ug/L	100
51) Chlorobenzene	11.654	112	562549	24.952	ug/L	99
52) Ethylbenzene	11.727	91	1061431	25.928	ug/L	99
53) m,p-Xylene	11.837	106	380903	25.281	ug/L	99
54) o-Xylene	12.160	106	364712	25.681	ug/L	100
55) Styrene	12.178	104	643967	26.493	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.714	83	196970	24.183	ug/L	97
59) Bromoform	12.343	173	91518	24.342	ug/L	98
60) Isopropylbenzene	12.458	105	1027688	26.636	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	139906	23.323	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	808746	26.465	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	742522	26.331	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	412032	24.808	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	415982	24.790	ug/L	100
67) 1,2-Dichlorobenzene	13.867	146	370551	25.016	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	30590	21.991	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	272898	24.753	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	218874	23.697	ug/L	99
71) Naphthalene	15.360	128	409494	23.490	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	191962	23.423	ug/L	99

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

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