Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
Data File : VW026782.D
Acq On : 21 Aug 2023 10:20
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025587

Quant Time: Aug 22 01:28:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 18 23:42:21 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	497386	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	529766	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	283220	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	220687	26.990	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.960%			
7) Chloroethane-d5	2.893	69	166530	27.390	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 109.560%			
11) 1,1-Dichloroethene-d2	4.021	65	116035	28.854	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 115.400%#			
21) 2-Butanone-d5	7.075	46	101022	42.987	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.980%			
24) Chloroform-d	7.648	84	437713	26.220	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.880%			
26) 1,2-Dichloroethane-d4	8.301	65	237197	25.747	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.000%			
32) Benzene-d6	8.270	84	905581	24.803	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.200%			
36) 1,2-Dichloropropane-d6	9.270	67	274264	24.116	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.480%			
41) Toluene-d8	10.319	98	837714	26.729	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 106.920%			
43) trans-1,3-Dichloroprop...	10.575	79	117499	25.023	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.080%			
47) 2-Hexanone-d5	10.922	63	57043	47.734	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 95.460%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	215458	23.989	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.960%			
66) 1,2-Dichlorobenzene-d4	13.848	152	252566	24.915	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	189896	28.080	ug/L	98
3) Chloromethane	2.223	50	203362	21.992	ug/L	99
5) Vinyl chloride	2.375	62	224605	25.408	ug/L	97
6) Bromomethane	2.783	94	128190	24.890	ug/L	100
8) Chloroethane	2.930	64	127524	24.076	ug/L	99
9) Trichlorofluoromethane	3.265	101	182253	25.122	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	214668	27.394	ug/L	98
12) 1,1-Dichloroethene	4.039	96	208292	28.332	ug/L	88
13) Acetone	4.125	43	139448	59.678	ug/L	96
14) Carbon disulfide	4.387	76	615834	23.284	ug/L	100
15) Methyl Acetate	4.667	43	116431	24.875	ug/L	98
16) Methylene chloride	4.917	84	228431	23.742	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	209611	25.550	ug/L	94
18) Methyl tert-butyl Ether	5.417	73	332635	26.797	ug/L	98
19) 1,1-Dichloroethane	6.210	63	448700	26.575	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	217463	24.661	ug/L	97
22) 2-Butanone	7.167	43	151635	44.034	ug/L	95
23) Bromochloromethane	7.514	128	93428	24.528	ug/L	87
25) Chloroform	7.673	83	391393	23.994	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	268600	23.604	ug/L	98
29) Cyclohexane	7.953	56	376594	22.987	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	319558	23.113	ug/L	98
31) Carbon tetrachloride	8.069	117	300740	23.790	ug/L	97
33) Benzene	8.319	78	881877	22.859	ug/L	100
34) Trichloroethene	9.087	95	229946	23.403	ug/L	96
35) Methylcyclohexane	9.331	83	408615	24.309	ug/L	97
37) 1,2-Dichloropropane	9.368	63	235855	22.320	ug/L	99
38) Bromodichloromethane	9.642	83	285462	23.028	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	374319	24.623	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	292906	42.613	ug/L	98
42) Toluene	10.386	91	960915	24.622	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	312765	23.903	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	164297	22.734	ug/L	97
46) Tetrachloroethene	10.861	164	179079	25.087	ug/L	92
48) 2-Hexanone	10.965	43	232636	49.739	ug/L	100
49) Dibromochloromethane	11.123	129	187222	24.769	ug/L	92
50) 1,2-Dibromoethane	11.233	107	164468	24.254	ug/L	98
51) Chlorobenzene	11.654	112	595920	24.174	ug/L	97
52) Ethylbenzene	11.727	91	1162792	26.569	ug/L	99
53) m,p-Xylene	11.837	106	418418	25.807	ug/L	93
54) o-Xylene	12.160	106	398452	26.332	ug/L	96
55) Styrene	12.178	104	710485	27.004	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.715	83	207423	22.663	ug/L	98
59) Bromoform	12.343	173	103912	23.421	ug/L	94
60) Isopropylbenzene	12.458	105	1140785	27.092	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	160847	23.413	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	964828	28.989	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	949466	29.112	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	485400	26.506	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	475949	24.904	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	399230	23.974	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	36339	21.941	ug/L	86
69) 1,3,5-Trichlorobenzene	14.623	180	309037	24.978	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	256996	24.500	ug/L	91
71) Naphthalene	15.360	128	530659	26.521	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	235285	24.868	ug/L	98

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

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