Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121923\
Data File : VW027789.D
Acq On : 19 Dec 2023 19:08
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025575

Quant Time: Dec 19 19:52:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121523SMA.M
Quant Title : SFAM01.0
QLast Update : Sun Dec 17 01:25:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	380042	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	339985	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	170337	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	100852	18.738	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.960%			
7) Chloroethane-d5	2.905	69	74583	17.798	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 71.200%			
11) 1,1-Dichloroethene-d2	4.027	65	42445	19.691	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 78.760%			
21) 2-Butanone-d5	7.087	46	32486	35.445	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 70.900%			
24) Chloroform-d	7.648	84	206041	22.784	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 91.120%			
26) 1,2-Dichloroethane-d4	8.307	65	90244	21.254	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 85.000%			
32) Benzene-d6	8.276	84	433746	21.829	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 87.320%			
36) 1,2-Dichloropropane-d6	9.276	67	120673	21.437	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 85.760%			
41) Toluene-d8	10.325	98	409439	22.210	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 88.840%			
43) trans-1,3-Dichloroprop...	10.574	79	44912	20.607	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 82.440%			
47) 2-Hexanone-d5	10.922	63	29703	36.208	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 72.420%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	83470	19.607	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 78.440%			
66) 1,2-Dichlorobenzene-d4	13.848	152	138319	22.685	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 90.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	93097	21.047	ug/L	98
3) Chloromethane	2.222	50	111730	21.445	ug/L	100
5) Vinyl chloride	2.375	62	134086	21.633	ug/L	98
6) Bromomethane	2.795	94	92515	23.450	ug/L	87
8) Chloroethane	2.936	64	74528	20.110	ug/L	100
9) Trichlorofluoromethane	3.271	101	129700	23.168	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	108507	22.817	ug/L	97
12) 1,1-Dichloroethene	4.045	96	105956	22.761	ug/L	98
13) Acetone	4.149	43	27949	33.593	ug/L	71
14) Carbon disulfide	4.393	76	344719	22.042	ug/L	99
15) Methyl Acetate	4.685	43	27935	18.585	ug/L	97
16) Methylene chloride	4.923	84	115128	19.320	ug/L	93
17) trans-1,2-Dichloroethene	5.435	96	118612	24.096	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	151475	23.274	ug/L	98
19) 1,1-Dichloroethane	6.222	63	195418	23.345	ug/L	98
20) cis-1,2-Dichloroethene	7.179	96	126462	24.404	ug/L	90
22) 2-Butanone	7.179	43	37160	33.634	ug/L	98
23) Bromochloromethane	7.520	128	53796	24.585	ug/L	97
25) Chloroform	7.679	83	199644	24.217	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	112455	23.267	ug/L		98
29) Cyclohexane	7.959	56	173223	21.534	ug/L		97
30) 1,1,1-Trichloroethane	7.874	97	168932	23.787	ug/L		98
31) Carbon tetrachloride	8.069	117	145758	23.322	ug/L		97
33) Benzene	8.325	78	467833	23.737	ug/L		100
34) Trichloroethene	9.093	95	126969	23.634	ug/L		95
35) Methylcyclohexane	9.337	83	211336	21.811	ug/L		99
37) 1,2-Dichloropropane	9.367	63	109465	23.009	ug/L		100
38) Bromodichloromethane	9.642	83	135260	23.391	ug/L		99
39) cis-1,3-Dichloropropene	10.068	75	166020	22.895	ug/L		98
40) 4-Methyl-2-pentanone	10.209	43	75760	36.434	ug/L		99
42) Toluene	10.385	91	507556	23.934	ug/L		100
44) trans-1,3-Dichloropropene	10.605	75	127932	22.403	ug/L		99
45) 1,1,2-Trichloroethane	10.788	97	78366	22.249	ug/L		99
46) Tetrachloroethene	10.861	164	102753	23.953	ug/L		88
48) 2-Hexanone	10.971	43	53819	34.773	ug/L		97
49) Dibromochloromethane	11.129	129	87076	23.637	ug/L		91
50) 1,2-Dibromoethane	11.233	107	73627	21.996	ug/L		88
51) Chlorobenzene	11.654	112	329900	24.350	ug/L		93
52) Ethylbenzene	11.727	91	578287	24.200	ug/L		96
53) m,p-Xylene	11.836	106	224668	24.477	ug/L		96
54) o-Xylene	12.166	106	207601	24.290	ug/L		98
55) Styrene	12.178	104	354617	24.613	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.714	83	82602	20.573	ug/L	#	97
59) Bromoform	12.342	173	46245	22.180	ug/L		97
60) Isopropylbenzene	12.458	105	581911	24.206	ug/L		99
61) 1,2,3-Trichloropropane	12.769	75	55678	19.612	ug/L		98
62) 1,3,5-Trimethylbenzene	12.940	105	468249	24.365	ug/L		100
63) 1,2,4-Trimethylbenzene	13.245	105	457571	24.188	ug/L		97
64) 1,3-Dichlorobenzene	13.495	146	250238	24.088	ug/L		86
65) 1,4-Dichlorobenzene	13.574	146	251277	24.080	ug/L		99
67) 1,2-Dichlorobenzene	13.867	146	223098	24.696	ug/L		95
68) 1,2-Dibromo-3-chloropr...	14.482	75	10435	18.399	ug/L	#	80
69) 1,3,5-Trichlorobenzene	14.623	180	178007	24.626	ug/L		96
70) 1,2,4-trichlorobenzene	15.122	180	136909	23.064	ug/L		89
71) Naphthalene	15.360	128	228954	21.765	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	118804	23.937	ug/L		97

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

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