Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081224\
Data File : VW029886.D
Acq On : 12 Aug 2024 12:08
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025575

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/13/2024
Supervised By :Mahesh Dadoda 08/13/2024

Quant Time: Aug 13 01:18:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 09 23:13:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	221440	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	209784	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	104847	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	48814	15.528	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 62.120%			
7) Chloroethane-d5	2.893	69	48472	21.597	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.400%			
11) 1,1-Dichloroethene-d2	4.021	65	23887	16.646	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 66.600%			
21) 2-Butanone-d5	7.081	46	34220	39.715	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 79.420%			
24) Chloroform-d	7.648	84	149574	26.093	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.360%			
26) 1,2-Dichloroethane-d4	8.307	65	79601	24.380	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.520%			
32) Benzene-d6	8.276	84	250319	22.084	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.320%			
36) 1,2-Dichloropropane-d6	9.270	67	82467	22.785	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 91.160%			
41) Toluene-d8	10.319	98	234072	23.225	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.880%			
43) trans-1,3-Dichloroprop...	10.575	79	33212	22.677	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.720%			
47) 2-Hexanone-d5	10.922	63	27479	46.044	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.080%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	73374	27.303	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 109.200%			
66) 1,2-Dichlorobenzene-d4	13.848	152	80850	24.834	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	71437	23.933	ug/L	91
3) Chloromethane	2.223	50	78899	21.361	ug/L	94
5) Vinyl chloride	2.375	62	104804	25.324	ug/L	95
6) Bromomethane	2.789	94	71167	31.316	ug/L	97
8) Chloroethane	2.936	64	68749	29.201	ug/L	95
9) Trichlorofluoromethane	3.265	101	87670	26.520	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	87950m	26.713	ug/L	
12) 1,1-Dichloroethene	4.039	96	79036	26.126	ug/L	88
13) Acetone	4.143	43	39813	37.180	ug/L	97
14) Carbon disulfide	4.387	76	234293	23.273	ug/L	99
15) Methyl Acetate	4.679	43	33384	18.718	ug/L #	86
16) Methylene chloride	4.917	84	93564	20.211	ug/L	85
17) trans-1,2-Dichloroethene	5.429	96	88317	27.091	ug/L	86
18) Methyl tert-butyl Ether	5.429	73	140366	26.125	ug/L	99
19) 1,1-Dichloroethane	6.216	63	171467	24.939	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	99667	28.185	ug/L	93
22) 2-Butanone	7.173	43	49242	35.890	ug/L	88
23) Bromochloromethane	7.514	128	42667	28.422	ug/L #	77
25) Chloroform	7.673	83	183221	28.284	ug/L	95

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Quant Title : SFAM01.0
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Response via : Initial Calibration

Instrument :
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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	123523	26.165	ug/L		98
29) Cyclohexane	7.953	56	128213	21.506	ug/L		91
30) 1,1,1-Trichloroethane	7.874	97	146979	27.667	ug/L		95
31) Carbon tetrachloride	8.069	117	130010	27.159	ug/L		100
33) Benzene	8.319	78	376202	26.173	ug/L		100
34) Trichloroethene	9.087	95	99203	26.327	ug/L		93
35) Methylcyclohexane	9.331	83	154378	24.587	ug/L		94
37) 1,2-Dichloropropane	9.368	63	96948	24.612	ug/L		99
38) Bromodichloromethane	9.642	83	130314	27.782	ug/L		98
39) cis-1,3-Dichloropropene	10.069	75	146184	25.483	ug/L		95
40) 4-Methyl-2-pentanone	10.209	43	99978	39.960	ug/L	#	92
42) Toluene	10.386	91	411128	28.022	ug/L		99
44) trans-1,3-Dichloropropene	10.605	75	122647	25.754	ug/L		100
45) 1,1,2-Trichloroethane	10.782	97	73792	27.886	ug/L		96
46) Tetrachloroethene	10.861	164	74734	27.288	ug/L		94
48) 2-Hexanone	10.965	43	70900	37.836	ug/L	#	94
49) Dibromochloromethane	11.129	129	77399	28.175	ug/L		96
50) 1,2-Dibromoethane	11.233	107	65932	26.928	ug/L		96
51) Chlorobenzene	11.654	112	250332	27.430	ug/L		96
52) Ethylbenzene	11.727	91	466585	28.192	ug/L		97
53) m,p-Xylene	11.837	106	172391	28.323	ug/L		96
54) o-Xylene	12.160	106	162461	28.985	ug/L		99
55) Styrene	12.178	104	284654	29.298	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.715	83	86894	26.754	ug/L		96
59) Bromoform	12.349	173	42217	26.760	ug/L	#	94
60) Isopropylbenzene	12.458	105	456775	28.154	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	61393	24.075	ug/L		95
62) 1,3,5-Trimethylbenzene	12.940	105	382788	31.742	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	373498	28.960	ug/L		96
64) 1,3-Dichlorobenzene	13.495	146	202201	29.211	ug/L		96
65) 1,4-Dichlorobenzene	13.574	146	195545	27.501	ug/L		99
67) 1,2-Dichlorobenzene	13.867	146	178470	28.319	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.476	75	13208	22.812	ug/L		92
69) 1,3,5-Trichlorobenzene	14.623	180	135079	28.521	ug/L		99
70) 1,2,4-trichlorobenzene	15.123	180	103230	25.872	ug/L		99
71) Naphthalene	15.360	128	209592	27.530	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	95736	26.510	ug/L		98

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

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