Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072724\
Data File : VW029767.D
Acq On : 27 Jul 2024 08:06
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/29/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

Quant Time: Jul 29 04:40:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jul 27 00:53:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	249266	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	232680	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	111237	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	77572	21.921	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.680%			
7) Chloroethane-d5	2.899	69	61395m	24.301	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 97.200%			
11) 1,1-Dichloroethene-d2	4.021	65	38724	23.972	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 95.880%			
21) 2-Butanone-d5	7.075	46	43548	44.899	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.800%			
24) Chloroform-d	7.648	84	176150	27.299	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 109.200%			
26) 1,2-Dichloroethane-d4	8.301	65	96592	26.281	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.120%			
32) Benzene-d6	8.276	84	332883	26.478	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 105.920%			
36) 1,2-Dichloropropane-d6	9.270	67	104715	26.085	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.360%			
41) Toluene-d8	10.319	98	302774	27.085	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 108.360%			
43) trans-1,3-Dichloroprop...	10.575	79	41385	25.477	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.920%			
47) 2-Hexanone-d5	10.922	63	30388	45.908	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.820%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	76393	25.629	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 102.520%			
66) 1,2-Dichlorobenzene-d4	13.848	152	90293	26.142	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 104.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	93674	27.879	ug/L	97
3) Chloromethane	2.222	50	108005	25.977	ug/L	99
5) Vinyl chloride	2.375	62	123362	26.480	ug/L	99
6) Bromomethane	2.796	94	65025	25.419	ug/L	94
8) Chloroethane	2.936	64	70128	26.461	ug/L	98
9) Trichlorofluoromethane	3.271	101	96821	26.019	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	89213	24.072	ug/L	96
12) 1,1-Dichloroethene	4.045	96	89346	26.237	ug/L	93
13) Acetone	4.125	43	65757	54.554	ug/L	98
14) Carbon disulfide	4.387	76	301587	26.613	ug/L	98
15) Methyl Acetate	4.667	43	45776	22.800	ug/L	99
16) Methylene chloride	4.917	84	100413	19.269	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	95253	25.957	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	143788	23.775	ug/L	98
19) 1,1-Dichloroethane	6.216	63	199454	25.771	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	99693	25.045	ug/L	96
22) 2-Butanone	7.173	43	72570	46.988	ug/L	100
23) Bromochloromethane	7.514	128	42736	25.290	ug/L	96
25) Chloroform	7.673	83	187311	25.688	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	133430	25.109	ug/L		99
29) Cyclohexane	7.953	56	172952	26.156	ug/L		100
30) 1,1,1-Trichloroethane	7.874	97	151108	25.645	ug/L		99
31) Carbon tetrachloride	8.069	117	138321	26.052	ug/L		98
33) Benzene	8.325	78	415435	26.058	ug/L		100
34) Trichloroethene	9.087	95	106272	25.428	ug/L		93
35) Methylcyclohexane	9.331	83	187782	26.964	ug/L		99
37) 1,2-Dichloropropane	9.368	63	112472	25.744	ug/L		100
38) Bromodichloromethane	9.642	83	133261	25.614	ug/L		100
39) cis-1,3-Dichloropropene	10.069	75	163805	25.745	ug/L		95
40) 4-Methyl-2-pentanone	10.209	43	128163	46.184	ug/L		99
42) Toluene	10.386	91	429434	26.389	ug/L		100
44) trans-1,3-Dichloropropene	10.605	75	133536	25.282	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	72407	24.670	ug/L		93
46) Tetrachloroethene	10.855	164	75170	24.746	ug/L		88
48) 2-Hexanone	10.965	43	104528	50.293	ug/L		99
49) Dibromochloromethane	11.129	129	78972	25.919	ug/L		97
50) 1,2-Dibromoethane	11.233	107	64208	23.643	ug/L		95
51) Chlorobenzene	11.654	112	258721	25.560	ug/L		97
52) Ethylbenzene	11.727	91	489785	26.682	ug/L		99
53) m,p-Xylene	11.837	106	180933	26.801	ug/L		92
54) o-Xylene	12.160	106	167551	26.951	ug/L		100
55) Styrene	12.178	104	290327	26.942	ug/L		94
57) 1,1,2,2-Tetrachloroethane	12.708	83	83791	23.260	ug/L	#	96
59) Bromoform	12.343	173	42240	25.236	ug/L		99
60) Isopropylbenzene	12.458	105	469704	27.288	ug/L		100
61) 1,2,3-Trichloropropane	12.763	75	61845	22.859	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	381191	29.794	ug/L		100
63) 1,2,4-Trimethylbenzene	13.245	105	374391	27.362	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	188805	25.709	ug/L		98
65) 1,4-Dichlorobenzene	13.574	146	197171	26.137	ug/L		99
67) 1,2-Dichlorobenzene	13.867	146	167474	25.048	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.476	75	13249	21.568	ug/L		95
69) 1,3,5-Trichlorobenzene	14.623	180	127281	25.331	ug/L		98
70) 1,2,4-trichlorobenzene	15.129	180	102325	24.172	ug/L		92
71) Naphthalene	15.360	128	192933	23.886	ug/L		99
72) 1,2,3-Trichlorobenzene	15.543	180	90323	23.574	ug/L		98

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

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