Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052424\
Data File : VW028771.D
Acq On : 25 May 2024 07:00
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025594

Quant Time: May 25 07:29:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Sat May 25 01:09:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	299427	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	278202	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	143262	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	123054	21.642	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.560%			
7) Chloroethane-d5	2.899	69	99246	22.796	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.200%			
11) 1,1-Dichloroethene-d2	4.027	65	53515	22.527	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.120%			
21) 2-Butanone-d5	7.075	46	64939	43.776	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 87.560%			
24) Chloroform-d	7.648	84	248573	26.568	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.280%			
26) 1,2-Dichloroethane-d4	8.307	65	136559	25.494	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.960%			
32) Benzene-d6	8.276	84	493283	26.576	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 106.320%			
36) 1,2-Dichloropropane-d6	9.276	67	151238	27.078	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 108.320%			
41) Toluene-d8	10.325	98	442627	26.928	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 107.720%			
43) trans-1,3-Dichloroprop...	10.575	79	57571	25.622	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 102.480%			
47) 2-Hexanone-d5	10.922	63	42835	44.466	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.940%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	110271	23.545	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 94.160%			
66) 1,2-Dichlorobenzene-d4	13.848	152	142358	26.071	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 104.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	70772	16.264	ug/L	93
3) Chloromethane	2.222	50	105437	19.559	ug/L	98
5) Vinyl chloride	2.375	62	117586	19.375	ug/L	100
6) Bromomethane	2.789	94	73471	20.927	ug/L	100
8) Chloroethane	2.936	64	74871	21.632	ug/L	97
9) Trichlorofluoromethane	3.271	101	92706	18.606	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	91466	19.911	ug/L	95
12) 1,1-Dichloroethene	4.051	96	89461	21.709	ug/L	94
13) Acetone	4.124	43	41090	30.448	ug/L	94
14) Carbon disulfide	4.399	76	270761	19.441	ug/L	99
15) Methyl Acetate	4.673	43	51003	21.723	ug/L	99
16) Methylene chloride	4.917	84	123889	26.753	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	100607	23.450	ug/L	91
18) Methyl tert-butyl Ether	5.429	73	159319	25.164	ug/L	98
19) 1,1-Dichloroethane	6.222	63	211113	24.815	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	114476	25.496	ug/L	95
22) 2-Butanone	7.173	43	61867	35.717	ug/L	99
23) Bromochloromethane	7.514	128	51630	26.361	ug/L	95
25) Chloroform	7.679	83	213791	25.981	ug/L	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Sat May 25 01:09:10 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	146162	24.435	ug/L	100
29) Cyclohexane	7.959	56	152984	19.286	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	157945	22.656	ug/L	99
31) Carbon tetrachloride	8.075	117	136541	21.481	ug/L	100
33) Benzene	8.325	78	454420	25.189	ug/L	100
34) Trichloroethene	9.093	95	113411	23.447	ug/L	95
35) Methylcyclohexane	9.337	83	165932	19.631	ug/L	98
37) 1,2-Dichloropropane	9.367	63	123233	26.215	ug/L	100
38) Bromodichloromethane	9.642	83	149811	26.144	ug/L	95
39) cis-1,3-Dichloropropene	10.075	75	172091	25.542	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	142901	44.665	ug/L	100
42) Toluene	10.386	91	472430	25.355	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	141200	24.855	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	84637	24.854	ug/L	97
46) Tetrachloroethene	10.861	164	81494	23.386	ug/L	98
48) 2-Hexanone	10.965	43	95694	42.366	ug/L	99
49) Dibromochloromethane	11.123	129	90235	26.418	ug/L	99
50) 1,2-Dibromoethane	11.233	107	79188	24.825	ug/L	94
51) Chlorobenzene	11.654	112	301757	26.181	ug/L	99
52) Ethylbenzene	11.727	91	528296	25.054	ug/L	96
53) m,p-Xylene	11.837	106	195406	25.281	ug/L	96
54) o-Xylene	12.166	106	188790	26.402	ug/L	98
55) Styrene	12.178	104	333862	27.555	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	102009	23.876	ug/L	98
59) Bromoform	12.349	173	50882	24.345	ug/L	97
60) Isopropylbenzene	12.458	105	517203	23.796	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	75400	21.778	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	380820	24.764	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	412569	24.900	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	217866	24.095	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	220021	23.802	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	207641	25.658	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	15694	19.387	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	140749	23.198	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	124377	25.371	ug/L	97
71) Naphthalene	15.360	128	243788	23.340	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	106964	24.180	ug/L	96

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

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