Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051724\
Data File : VW028629.D
Acq On : 17 May 2024 10:39
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025582

Quant Time: May 17 23:00:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 17 01:01:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	293184	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	275657	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	134397	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.375	65	101486	18.229	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.920%			
7) Chloroethane-d5	2.911	69	87656	20.562	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.240%			
11) 1,1-Dichloroethene-d2	4.027	65	45193	19.429	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.720%			
21) 2-Butanone-d5	7.081	46	64398	44.336	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.680%			
24) Chloroform-d	7.655	84	207195	22.617	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.480%			
26) 1,2-Dichloroethane-d4	8.307	65	117170	22.340	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.360%			
32) Benzene-d6	8.276	84	390121	21.212	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 84.840%			
36) 1,2-Dichloropropane-d6	9.276	67	118725	21.453	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 85.800%			
41) Toluene-d8	10.325	98	347316	21.324	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 85.280%			
43) trans-1,3-Dichloroprop...	10.575	79	49058	22.035	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 88.160%			
47) 2-Hexanone-d5	10.922	63	42584	44.613	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.220%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	102487	22.085	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 88.320%			
66) 1,2-Dichlorobenzene-d4	13.849	152	111691	21.804	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	99307	23.308	ug/L	98
3) Chloromethane	2.229	50	112722	21.356	ug/L	99
5) Vinyl chloride	2.381	62	132631	22.319	ug/L	98
6) Bromomethane	2.796	94	79776	23.207	ug/L	97
8) Chloroethane	2.942	64	81381	24.013	ug/L	97
9) Trichlorofluoromethane	3.277	101	109351	22.414	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	101589	22.585	ug/L	95
12) 1,1-Dichloroethene	4.051	96	91562	22.692	ug/L	88
13) Acetone	4.131	43	69649	52.710	ug/L	96
14) Carbon disulfide	4.399	76	292899	21.478	ug/L	99
15) Methyl Acetate	4.679	43	49539	21.549	ug/L	98
16) Methylene chloride	4.923	84	104653	23.080	ug/L	99
17) trans-1,2-Dichloroethene	5.435	96	97355	23.175	ug/L	98
18) Methyl tert-butyl Ether	5.435	73	144827	23.362	ug/L	99
19) 1,1-Dichloroethane	6.222	63	197564	23.716	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	106399	24.201	ug/L	95
22) 2-Butanone	7.173	43	77889	45.925	ug/L	97
23) Bromochloromethane	7.520	128	46363	24.176	ug/L	91
25) Chloroform	7.679	83	194970	24.198	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.404	62	141899	24.227	ug/L	99
29) Cyclohexane	7.959	56	175048	22.272	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	159515	23.092	ug/L	99
31) Carbon tetrachloride	8.075	117	142411	22.612	ug/L	99
33) Benzene	8.325	78	411498	23.021	ug/L	100
34) Trichloroethene	9.093	95	109595	22.868	ug/L	98
35) Methylcyclohexane	9.337	83	189151	22.584	ug/L	99
37) 1,2-Dichloropropane	9.368	63	109397	23.487	ug/L	100
38) Bromodichloromethane	9.648	83	137925	24.292	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	167399	25.075	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	140296	44.256	ug/L	99
42) Toluene	10.386	91	441307	23.903	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	138866	24.670	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	79594	23.589	ug/L	96
46) Tetrachloroethene	10.867	164	79404	22.996	ug/L	86
48) 2-Hexanone	10.965	43	113211	50.584	ug/L	98
49) Dibromochloromethane	11.130	129	81435	24.062	ug/L	95
50) 1,2-Dibromoethane	11.233	107	73836	23.361	ug/L	97
51) Chlorobenzene	11.654	112	275913	24.160	ug/L	99
52) Ethylbenzene	11.727	91	504534	24.148	ug/L	97
53) m,p-Xylene	11.837	106	183950	24.019	ug/L	91
54) o-Xylene	12.166	106	174957	24.693	ug/L	99
55) Styrene	12.178	104	306273	25.511	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.715	83	95160	22.479	ug/L	100
59) Bromoform	12.349	173	48584	24.778	ug/L	96
60) Isopropylbenzene	12.465	105	507004	24.865	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	71207	21.923	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	367407	25.468	ug/L	99
63) 1,2,4-Trimethylbenzene	13.251	105	381244	24.527	ug/L	94
64) 1,3-Dichlorobenzene	13.495	146	204892	24.155	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	208005	23.986	ug/L	98
67) 1,2-Dichlorobenzene	13.861	146	182568	24.048	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.483	75	15053	19.822	ug/L	86
69) 1,3,5-Trichlorobenzene	14.623	180	134518	23.633	ug/L	95
70) 1,2,4-trichlorobenzene	15.123	180	115391	25.090	ug/L	97
71) Naphthalene	15.360	128	231210	23.596	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	101786	24.527	ug/L	97

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

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