Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052024\
Data File : VW028648.D
Acq On : 20 May 2024 10:23
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025584

Quant Time: May 21 01:25:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 17 23:04:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	278009	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	259537	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	124300	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	98990	18.751	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.000%			
7) Chloroethane-d5	2.899	69	86349	21.362	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.440%			
11) 1,1-Dichloroethene-d2	4.021	65	45114	20.454	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.800%			
21) 2-Butanone-d5	7.081	46	53890	39.127	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 78.260%			
24) Chloroform-d	7.648	84	214430	24.684	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.720%			
26) 1,2-Dichloroethane-d4	8.307	65	118174	23.762	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.040%			
32) Benzene-d6	8.276	84	400430	23.125	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.480%			
36) 1,2-Dichloropropane-d6	9.270	67	125022	23.994	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.960%			
41) Toluene-d8	10.325	98	360928	23.537	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.160%			
43) trans-1,3-Dichloroprop...	10.575	79	48052	22.924	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 91.680%			
47) 2-Hexanone-d5	10.922	63	38013	42.298	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 84.600%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	95918	21.953	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 87.800%			
66) 1,2-Dichlorobenzene-d4	13.849	152	112757	23.800	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	86272	21.354	ug/L	94
3) Chloromethane	2.223	50	111680	22.314	ug/L	99
5) Vinyl chloride	2.375	62	130580	23.174	ug/L	97
6) Bromomethane	2.790	94	79196	24.296	ug/L	94
8) Chloroethane	2.936	64	80645	25.095	ug/L	99
9) Trichlorofluoromethane	3.271	101	107377	23.211	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	101946	23.902	ug/L #	75
12) 1,1-Dichloroethene	4.045	96	92024	24.051	ug/L	86
13) Acetone	4.131	43	46982	37.496	ug/L	97
14) Carbon disulfide	4.393	76	295453	22.848	ug/L	98
15) Methyl Acetate	4.679	43	43753	20.071	ug/L #	81
16) Methylene chloride	4.917	84	103640	24.105	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	99778	25.048	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	145026	24.671	ug/L	100
19) 1,1-Dichloroethane	6.216	63	203705	25.788	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	108219	25.959	ug/L	97
22) 2-Butanone	7.173	43	60624	37.696	ug/L	100
23) Bromochloromethane	7.514	128	46385	25.507	ug/L	96
25) Chloroform	7.679	83	203006	26.571	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	141516	25.481	ug/L	98
29) Cyclohexane	7.959	56	179280	24.227	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	164599	25.308	ug/L	99
31) Carbon tetrachloride	8.069	117	148624	25.064	ug/L	99
33) Benzene	8.325	78	430076	25.554	ug/L	100
34) Trichloroethene	9.093	95	112248	24.876	ug/L	97
35) Methylcyclohexane	9.337	83	195358	24.774	ug/L	98
37) 1,2-Dichloropropane	9.368	63	114750	26.166	ug/L	100
38) Bromodichloromethane	9.642	83	140592	26.299	ug/L	95
39) cis-1,3-Dichloropropene	10.075	75	169325	26.939	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	124749	41.796	ug/L	98
42) Toluene	10.386	91	460440	26.488	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	138380	26.111	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	76551	24.097	ug/L	93
46) Tetrachloroethene	10.861	164	82611	25.411	ug/L	96
48) 2-Hexanone	10.965	43	89751	42.593	ug/L	98
49) Dibromochloromethane	11.123	129	85326	26.777	ug/L	97
50) 1,2-Dibromoethane	11.233	107	69649	23.405	ug/L	97
51) Chlorobenzene	11.654	112	274102	25.492	ug/L	99
52) Ethylbenzene	11.727	91	520477	26.458	ug/L	95
53) m,p-Xylene	11.837	106	191994	26.626	ug/L	99
54) o-Xylene	12.166	106	179563	26.917	ug/L	98
55) Styrene	12.178	104	322307	28.514	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.709	83	88023	22.085	ug/L	99
59) Bromoform	12.349	173	43688	24.091	ug/L	100
60) Isopropylbenzene	12.459	105	513954	27.254	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	66747	22.219	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	375292	28.127	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	416277	28.956	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	210340	26.812	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	212230	26.461	ug/L	88
67) 1,2-Dichlorobenzene	13.867	146	185091	26.360	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.476	75	14070	20.032	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	141299	26.841	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	110728	26.032	ug/L	99
71) Naphthalene	15.360	128	209994	23.172	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	97644	25.440	ug/L	97

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

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