Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121823\
Data File : VW027741.D
Acq On : 18 Dec 2023 19:53
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025572

Quant Time: Dec 18 20:21:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121523SMA.M
Quant Title : SFAM01.0
QLast Update : Sun Dec 17 01:25:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	379275	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	345279	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	174730	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	101599	18.915	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.640%			
7) Chloroethane-d5	2.899	69	81670	19.528	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 78.120%			
11) 1,1-Dichloroethene-d2	4.021	65	41474	19.279	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 77.120%			
21) 2-Butanone-d5	7.094	46	33575	36.708	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 73.420%			
24) Chloroform-d	7.648	84	196678	21.793	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.160%			
26) 1,2-Dichloroethane-d4	8.307	65	88429	20.868	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 83.480%			
32) Benzene-d6	8.276	84	415688	20.600	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 82.400%			
36) 1,2-Dichloropropane-d6	9.270	67	118063	20.651	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 82.600%			
41) Toluene-d8	10.319	98	388198	20.734	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 82.920%			
43) trans-1,3-Dichloroprop...	10.575	79	45309	20.470	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 81.880%			
47) 2-Hexanone-d5	10.922	63	31684	38.031	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 76.060%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	85420	19.758	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 79.040%			
66) 1,2-Dichlorobenzene-d4	13.849	152	136639	21.846	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	97041	21.983	ug/L	97
3) Chloromethane	2.223	50	115511	22.216	ug/L	99
5) Vinyl chloride	2.375	62	136779	22.112	ug/L	97
6) Bromomethane	2.796	94	91734	23.299	ug/L	92
8) Chloroethane	2.936	64	83025	22.448	ug/L	99
9) Trichlorofluoromethane	3.271	101	125563	22.475	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	105389	22.206	ug/L	99
12) 1,1-Dichloroethene	4.045	96	106481	22.920	ug/L	94
13) Acetone	4.161	43	35164	42.350	ug/L	98
14) Carbon disulfide	4.387	76	341832	21.902	ug/L	97
15) Methyl Acetate	4.686	43	29454	19.635	ug/L	97
16) Methylene chloride	4.923	84	114724	19.292	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	115022	23.414	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	144639	22.269	ug/L	99
19) 1,1-Dichloroethane	6.222	63	193609	23.176	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	125135	24.197	ug/L	93
22) 2-Butanone	7.185	43	44986	40.800	ug/L	99
23) Bromochloromethane	7.520	128	51377	23.527	ug/L	95
25) Chloroform	7.679	83	197587	24.016	ug/L	95

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QLast Update : Sun Dec 17 01:25:09 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	112032	23.226	ug/L		98
29) Cyclohexane	7.959	56	172595	21.127	ug/L		97
30) 1,1,1-Trichloroethane	7.874	97	163701	22.697	ug/L		100
31) Carbon tetrachloride	8.069	117	144010	22.689	ug/L		96
33) Benzene	8.325	78	458047	22.885	ug/L		100
34) Trichloroethene	9.093	95	123143	22.571	ug/L		96
35) Methylcyclohexane	9.331	83	217907	22.144	ug/L		99
37) 1,2-Dichloropropane	9.368	63	108557	22.468	ug/L		99
38) Bromodichloromethane	9.642	83	135408	23.057	ug/L		96
39) cis-1,3-Dichloropropene	10.069	75	170112	23.100	ug/L		98
40) 4-Methyl-2-pentanone	10.209	43	84326	39.932	ug/L		99
42) Toluene	10.386	91	499967	23.215	ug/L		98
44) trans-1,3-Dichloropropene	10.605	75	131028	22.594	ug/L		98
45) 1,1,2-Trichloroethane	10.782	97	79088	22.109	ug/L		98
46) Tetrachloroethene	10.861	164	98710	22.658	ug/L		92
48) 2-Hexanone	10.965	43	63006	40.085	ug/L		97
49) Dibromochloromethane	11.123	129	86303	23.068	ug/L		95
50) 1,2-Dibromoethane	11.233	107	72941	21.457	ug/L		99
51) Chlorobenzene	11.654	112	324089	23.554	ug/L		94
52) Ethylbenzene	11.727	91	563041	23.201	ug/L		95
53) m,p-Xylene	11.837	106	217344	23.316	ug/L		90
54) o-Xylene	12.160	106	205163	23.636	ug/L		100
55) Styrene	12.178	104	353309	24.146	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.708	83	84243	20.660	ug/L	#	98
59) Bromoform	12.349	173	45599	21.320	ug/L		95
60) Isopropylbenzene	12.459	105	570772	23.145	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	60182	20.666	ug/L		99
62) 1,3,5-Trimethylbenzene	12.940	105	463958	23.535	ug/L		100
63) 1,2,4-Trimethylbenzene	13.245	105	462345	23.826	ug/L		99
64) 1,3-Dichlorobenzene	13.495	146	253968	23.833	ug/L		86
65) 1,4-Dichlorobenzene	13.574	146	253851	23.715	ug/L		96
67) 1,2-Dichlorobenzene	13.867	146	221580	23.912	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.476	75	11153	19.171	ug/L		87
69) 1,3,5-Trichlorobenzene	14.623	180	186783	25.191	ug/L		96
70) 1,2,4-trichlorobenzene	15.123	180	145917	23.963	ug/L		93
71) Naphthalene	15.360	128	239323	22.179	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	124793	24.512	ug/L		95

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

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