Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\
Data File : VX023650.D
Acq On : 11 Aug 2021 15:13
Operator : JC/MD
Sample : M3263-01 2.5PPB MDL
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-QT4-2021-07

Quant Time: Aug 12 01:28:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM081121WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 11 12:02:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	361450	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	332098	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	151697	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	93862	49.821	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 99.640%			
7) Chloroethane-d5	1.666	69	80653	52.112	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.220%			
11) 1,1-Dichloroethene-d2	2.306	63	161967	39.578	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 79.160%			
21) 2-Butanone-d5	4.459	46	200083	110.157	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 110.160%			
24) Chloroform-d	5.062	84	206050	48.300	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.600%			
26) 1,2-Dichloroethane-d4	5.958	65	147571	50.463	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.920%			
32) Benzene-d6	5.983	84	434722	51.964	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.920%			
36) 1,2-Dichloropropane-d6	7.312	67	135349	51.420	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.840%			
41) Toluene-d8	8.653	98	415025	51.512	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.020%			
43) trans-1,3-Dichloroprop...	8.952	79	61491	49.365	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.720%			
47) 2-Hexanone-d5	9.384	63	143167	113.131	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 113.130%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	178366	50.867	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.740%			
66) 1,2-Dichlorobenzene-d4	12.323	152	139447	52.384	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	5619	2.502	ug/L	93
3) Chloromethane	1.294	50	5251	2.457	ug/L	97
5) Vinyl chloride	1.374	62	5722	2.636	ug/L #	74
6) Bromomethane	1.605	94	3841	2.848	ug/L	99
8) Chloroethane	1.685	64	3470	2.522	ug/L	94
9) Trichlorofluoromethane	1.886	101	8994	2.471	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	6700	3.151	ug/L #	82
12) 1,1-Dichloroethene	2.313	96	5685	3.091	ug/L #	1
13) Acetone	2.386	43	9050	5.659	ug/L	93
14) Carbon disulfide	2.514	76	7928	2.144	ug/L	97
15) Methyl Acetate	2.709	43	7331	2.751	ug/L	91
16) Methylene chloride	2.788	84	6757	2.951	ug/L	85
17) trans-1,2-Dichloroethene	3.099	96	4552	2.338	ug/L	90
18) Methyl tert-butyl Ether	3.123	73	16886	2.340	ug/L #	94
19) 1,1-Dichloroethane	3.611	63	9555	2.408	ug/L	97
20) cis-1,2-Dichloroethene	4.495	96	5750	2.444	ug/L	88
22) 2-Butanone	4.568	43	10409	4.777	ug/L	95
23) Bromochloromethane	4.910	128	3166	2.546	ug/L #	68
25) Chloroform	5.099	83	15967	3.724	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	6.086	62	8811	2.548	ug/L		98
29) Cyclohexane	5.477	56	7411	2.319	ug/L	#	43
30) 1,1,1-Trichloroethane	5.391	97	8167	2.277	ug/L		96
31) Carbon tetrachloride	5.684	117	6756	2.243	ug/L		94
33) Benzene	6.044	78	20760	2.393	ug/L		100
34) Trichloroethene	7.129	95	5692	2.453	ug/L		95
35) Methylcyclohexane	7.385	83	7697	2.310	ug/L		95
37) 1,2-Dichloropropane	7.434	63	5834	2.451	ug/L	#	91
38) Bromodichloromethane	7.824	83	5762	1.941	ug/L		100
39) cis-1,3-Dichloropropene	8.372	75	7822	2.245	ug/L		91
40) 4-Methyl-2-pentanone	8.574	43	18146	4.732	ug/L		91
42) Toluene	8.720	91	28982	3.013	ug/L		100
44) trans-1,3-Dichloropropene	8.982	75	7483	2.133	ug/L		98
45) 1,1,2-Trichloroethane	9.153	97	5770	2.386	ug/L		96
46) Tetrachloroethene	9.281	164	4420	2.510	ug/L		83
48) 2-Hexanone	9.433	43	16990	5.486	ug/L	#	89
49) Dibromochloromethane	9.525	129	4500	1.845	ug/L		100
50) 1,2-Dibromoethane	9.610	107	5663	2.288	ug/L	#	97
51) Chlorobenzene	10.079	112	15020	2.351	ug/L		97
52) Ethylbenzene	10.195	91	23641	2.246	ug/L		98
53) m,p-Xylene	10.305	106	8986	2.238	ug/L		91
54) o-Xylene	10.646	106	8718	2.180	ug/L		91
55) Styrene	10.659	104	13950	2.071	ug/L		96
57) 1,1,2,2-Tetrachloroethane	11.213	83	9814	2.670	ug/L		94
59) Bromoform	10.805	173	2905	1.786	ug/L	#	98
60) Isopropylbenzene	10.963	105	23429	2.276	ug/L		99
61) 1,2,3-Trichloropropane	11.244	75	7637	2.503	ug/L		98
62) 1,3,5-Trimethylbenzene	11.451	105	18393	2.208	ug/L		100
63) 1,2,4-Trimethylbenzene	11.756	105	19097	2.254	ug/L		99
64) 1,3-Dichlorobenzene	11.969	146	10620	2.361	ug/L		89
65) 1,4-Dichlorobenzene	12.043	146	10543	2.355	ug/L		98
67) 1,2-Dichlorobenzene	12.335	146	10668	2.416	ug/L	#	93
68) 1,2-Dibromo-3-chloropr...	12.945	75	1272	1.790	ug/L	#	64
69) 1,3,5-Trichlorobenzene	13.116	180	6627	2.135	ug/L		96
70) 1,2,4-trichlorobenzene	13.591	180	5586	2.089	ug/L		99
71) Naphthalene	13.780	128	17813	1.922	ug/L		98
72) 1,2,3-Trichlorobenzene	13.963	180	5806	2.108	ug/L		95

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

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