Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030824\
Data File : VX040616.D
Acq On : 07 Mar 2024 12:28
Operator : JC/MD
Sample : P1601-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2024-02

Manual Integrations APPROVED

Reviewed By :John Carlone 03/08/2024
Supervised By :Semsettin Yesilyurt 03/11/2024

Quant Time: Mar 08 01:40:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM030724WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 01:27:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	158129	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	146611	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	65458	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	63166	45.570	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 91.140%			
7) Chloroethane-d5	1.666	69	50962	46.051	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 92.100%			
11) 1,1-Dichloroethene-d2	2.300	65	29274	45.878	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.760%			
21) 2-Butanone-d5	4.446	46	105272	98.969	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 98.970%			
24) Chloroform-d	5.050	84	120601	46.850	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.700%			
26) 1,2-Dichloroethane-d4	5.952	65	91263	47.487	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.980%			
32) Benzene-d6	5.970	84	226905	50.446	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.900%			
36) 1,2-Dichloropropane-d6	7.305	67	71130	51.024	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.040%			
41) Toluene-d8	8.647	98	205247	47.349	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.700%			
43) trans-1,3-Dichloroprop...	8.945	79	35985	48.500	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.000%			
47) 2-Hexanone-d5	9.378	63	76819	99.869	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 99.870%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	104038	49.846	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.700%			
66) 1,2-Dichlorobenzene-d4	12.317	152	70563	51.469	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	3209m	2.274	ug/L	
3) Chloromethane	1.300	50	2726	2.222	ug/L	89
5) Vinyl chloride	1.374	62	3172	2.390	ug/L #	80
6) Bromomethane	1.611	94	1795	2.547	ug/L	91
8) Chloroethane	1.685	64	1732m	2.276	ug/L	
9) Trichlorofluoromethane	1.886	101	4264	2.309	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	3290	3.003	ug/L #	82
12) 1,1-Dichloroethene	2.319	96	2990	3.102	ug/L #	1
13) Acetone	2.380	43	3467	4.564	ug/L	92
14) Carbon disulfide	2.508	76	6042	2.166	ug/L	99
15) Methyl Acetate	2.703	43	2590	2.020	ug/L #	89
16) Methylene chloride	2.788	84	2375	2.237	ug/L	88
17) trans-1,2-Dichloroethene	3.087	96	2221	2.245	ug/L	80
18) Methyl tert-butyl Ether	3.117	73	7590	2.218	ug/L	97
19) 1,1-Dichloroethane	3.611	63	4262	2.217	ug/L #	86
20) cis-1,2-Dichloroethene	4.477	96	2373	2.139	ug/L	78
22) 2-Butanone	4.556	43	4310m	4.285	ug/L	
23) Bromochloromethane	4.897	128	1395	2.465	ug/L #	63
25) Chloroform	5.086	83	8930	4.116	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	6.074	62	4348	2.280	ug/L		98
29) Cyclohexane	5.477	56	4070m	2.526	ug/L		
30) 1,1,1-Trichloroethane	5.379	97	4055	2.221	ug/L		98
31) Carbon tetrachloride	5.672	117	3294	2.149	ug/L		95
33) Benzene	6.031	78	9026	2.292	ug/L		100
35) Methylcyclohexane	7.379	83	4483	2.638	ug/L		96
37) 1,2-Dichloropropane	7.427	63	2676	2.566	ug/L	#	88
38) Bromodichloromethane	7.824	83	3423	2.220	ug/L	#	96
39) cis-1,3-Dichloropropene	8.360	75	3914	2.230	ug/L		98
40) 4-Methyl-2-pentanone	8.574	43	7240	4.050	ug/L		96
42) Toluene	8.720	91	10082	2.333	ug/L		94
44) trans-1,3-Dichloropropene	8.982	75	3836	2.243	ug/L		100
45) 1,1,2-Trichloroethane	9.153	97	2350	2.183	ug/L		94
46) Tetrachloroethene	9.275	164	2010	2.408	ug/L		93
48) 2-Hexanone	9.427	43	7032	4.748	ug/L		97
49) Dibromochloromethane	9.525	129	2273	2.021	ug/L		99
50) 1,2-Dibromoethane	9.604	107	2464	2.129	ug/L	#	87
51) Chlorobenzene	10.079	112	6282	2.244	ug/L		93
52) Ethylbenzene	10.195	91	11206	2.207	ug/L		100
53) m,p-Xylene	10.305	106	4042	2.190	ug/L		90
54) o-Xylene	10.640	106	3792	2.140	ug/L		90
55) Styrene	10.659	104	5786	1.874	ug/L		99
57) 1,1,2,2-Tetrachloroethane	11.213	83	4259	2.401	ug/L		85
59) Bromoform	10.799	173	1754	2.310	ug/L	#	94
60) Isopropylbenzene	10.963	105	10926	2.486	ug/L		99
61) 1,2,3-Trichloropropane	11.238	75	3036	2.327	ug/L		95
62) 1,3,5-Trimethylbenzene	11.451	105	7735	2.123	ug/L		93
63) 1,2,4-Trimethylbenzene	11.750	105	7711	2.116	ug/L		98
64) 1,3-Dichlorobenzene	11.969	146	4595	2.388	ug/L		94
65) 1,4-Dichlorobenzene	12.042	146	5093	2.603	ug/L		100
67) 1,2-Dichlorobenzene	12.335	146	4484	2.451	ug/L	#	84
68) 1,2-Dibromo-3-chloropr...	12.939	75	783m	2.051	ug/L		
69) 1,3,5-Trichlorobenzene	13.115	180	3787	2.932	ug/L		97
70) 1,2,4-trichlorobenzene	13.591	180	3460	2.889	ug/L		95
71) Naphthalene	13.774	128	8980	2.359	ug/L		98
72) 1,2,3-Trichlorobenzene	13.963	180	3481	2.950	ug/L		97

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

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