Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
Data File : VX035745.D
Acq On : 18 May 2023 16:23
Operator : JC/MD
Sample : 02213-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 19 06:26:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Fri May 19 06:25:15 2023
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	189876	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	336827	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	289383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	202857	61.241	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 122.480%#			
35) Dibromofluoromethane	5.379	113	131825	58.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.060%			
50) Toluene-d8	8.647	98	491291	58.545	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 117.100%#			
62) 4-Bromofluorobenzene	11.079	95	194495	57.563	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1447	0.585	ug/l	92
3) Chloromethane	1.294	50	1855	0.618	ug/l #	87
4) Vinyl Chloride	1.374	62	1586	0.622	ug/l	95
5) Bromomethane	1.618	94	1327	0.961	ug/l	99
6) Chloroethane	1.691	64	1152	0.745	ug/l #	79
7) Trichlorofluoromethane	1.892	101	2513	0.671	ug/l	90
8) Diethyl Ether	2.130	74	847	0.587	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.325	101	1497	0.673	ug/l	96
10) Methyl Iodide	2.447	142	1164	0.585	ug/l #	88
11) Tert butyl alcohol	3.026	59	1954m	3.344	ug/l	
12) 1,1-Dichloroethene	2.319	96	1250	0.591	ug/l #	75
13) Acrolein	2.239	56	1477	2.129	ug/l	85
14) Allyl chloride	2.660	41	3061	0.676	ug/l #	85
15) Acrylonitrile	3.075	53	3914	3.041	ug/l	94
16) Acetone	2.398	43	5607	3.938	ug/l	93
17) Carbon Disulfide	2.514	76	2941	0.576	ug/l #	88
18) Methyl Acetate	2.709	43	3432	0.654	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	5451	0.648	ug/l	93
20) Methylene Chloride	2.788	84	2699	1.046	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	1547	0.668	ug/l	93
22) Diisopropyl ether	3.757	45	5405	0.609	ug/l #	95
23) Vinyl Acetate	3.721	43	16912	2.695	ug/l #	92
24) 1,1-Dichloroethane	3.617	63	3148	0.664	ug/l #	89
25) 2-Butanone	4.580	43	6321	3.207	ug/l	91
26) 2,2-Dichloropropane	4.465	77	2132	0.531	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	1709	0.614	ug/l	91
28) Bromochloromethane	4.904	49	1374	0.644	ug/l #	81
29) Tetrahydrofuran	5.038	42	4563	3.684	ug/l #	92
30) Chloroform	5.105	83	3030	0.623	ug/l	100
31) Cyclohexane	5.458	56	2603	0.622	ug/l #	67
32) 1,1,1-Trichloroethane	5.391	97	2435	0.576	ug/l #	50
36) 1,1-Dichloropropene	5.696	75	2160	0.602	ug/l	93
37) Ethyl Acetate	4.715	43	2756	0.737	ug/l #	88
38) Carbon Tetrachloride	5.678	117	2021	0.595	ug/l #	88
39) Methylcyclohexane	7.379	83	2444	0.579	ug/l #	88
40) Benzene	6.038	78	6016	0.600	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	1228	0.553	ug/l	#	84
42) 1,2-Dichloroethane	6.080	62	3366	0.780	ug/l		95
43) Isopropyl Acetate	6.342	43	3577	0.548	ug/l		96
44) Trichloroethene	7.135	130	1630	0.641	ug/l		57
45) 1,2-Dichloropropane	7.421	63	1488	0.560	ug/l		95
46) Dibromomethane	7.586	93	1098	0.604	ug/l		88
47) Bromodichloromethane	7.824	83	1817	0.517	ug/l	#	93
48) Methyl methacrylate	7.702	41	1965	0.611	ug/l		93
49) 1,4-Dioxane	7.757	88	955	13.810	ug/l	#	35
51) 4-Methyl-2-Pentanone	8.574	43	11216	2.985	ug/l		100
52) Toluene	8.720	92	4009	0.633	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	1708	0.447	ug/l		94
54) cis-1,3-Dichloropropene	8.372	75	1932	0.472	ug/l	#	73
55) 1,1,2-Trichloroethane	9.147	97	1701	0.684	ug/l	#	83
56) Ethyl methacrylate	9.116	69	2052	0.510	ug/l	#	85
57) 1,3-Dichloropropane	9.305	76	2645	0.587	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	4766	2.326	ug/l		99
59) 2-Hexanone	9.433	43	7968	2.816	ug/l		95
60) Dibromochloromethane	9.519	129	946	0.399	ug/l		95
61) 1,2-Dibromoethane	9.604	107	1452	0.554	ug/l		98
64) Tetrachloroethene	9.275	164	1356	0.696	ug/l	#	84
65) Chlorobenzene	10.079	112	4113	0.651	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	1049	0.470	ug/l	#	63
67) Ethyl Benzene	10.195	91	7461	0.628	ug/l		98
68) m/p-Xylenes	10.299	106	5177	1.179	ug/l		86
69) o-Xylene	10.640	106	2552	0.586	ug/l		96
70) Styrene	10.653	104	3848	0.548	ug/l		92
71) Bromoform	10.805	173	544	0.370	ug/l	#	77
73) Isopropylbenzene	10.963	105	7000	0.620	ug/l		97
74) N-amyl acetate	10.842	43	2731	0.519	ug/l	#	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	2418	0.660	ug/l		90
76) 1,2,3-Trichloropropane	11.238	75	2035m	0.621	ug/l		
77) Bromobenzene	11.195	156	1500	0.585	ug/l		79
78) n-propylbenzene	11.305	91	8211	0.618	ug/l		96
79) 2-Chlorotoluene	11.366	91	5105	0.614	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	5445	0.567	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	326m	0.320	ug/l		
82) 4-Chlorotoluene	11.451	91	6081	0.635	ug/l		92
83) tert-Butylbenzene	11.713	119	5256	0.563	ug/l		87
84) 1,2,4-Trimethylbenzene	11.750	105	5635	0.585	ug/l		92
85) sec-Butylbenzene	11.890	105	6682	0.570	ug/l		95
86) p-Isopropyltoluene	12.012	119	5558	0.577	ug/l		91
87) 1,3-Dichlorobenzene	11.969	146	3020	0.620	ug/l		91
88) 1,4-Dichlorobenzene	12.043	146	3265m	0.664	ug/l		
89) n-Butylbenzene	12.329	91	4672	0.533	ug/l		95
90) Hexachloroethane	12.536	117	651	0.446	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	2826	0.593	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.951	75	355	0.435	ug/l		78
93) 1,2,4-Trichlorobenzene	13.585	180	1626	0.566	ug/l		96
94) Hexachlorobutadiene	13.725	225	748	0.656	ug/l		84
95) Naphthalene	13.774	128	5495	0.559	ug/l		98
96) 1,2,3-Trichlorobenzene	13.963	180	1527	0.541	ug/l		92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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