Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
Data File : VN079778.D
Acq On : 01 Nov 2023 17:55
Operator : JC\MD
Sample : 04699-07 0.2PPB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 02 06:46:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 06:45:31 2023
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Manual Integrations APPROVED

Reviewed By :John Carlone 11/02/2023
Supervised By :Mahesh Dadoda 11/02/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	275229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	501972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	433875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	235813	56.237	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.480%			
35) Dibromofluoromethane	8.171	113	185720	52.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	10.571	98	638656	48.831	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.660%			
62) 4-Bromofluorobenzene	12.853	95	193163	44.532	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	784	0.236	ug/l #	43
3) Chloromethane	2.359	50	2731m	0.593	ug/l	
4) Vinyl Chloride	2.512	62	1086	0.250	ug/l #	1
5) Bromomethane	2.953	94	1413	0.536	ug/l	83
6) Chloroethane	3.118	64	883	0.258	ug/l #	43
7) Trichlorofluoromethane	3.489	101	1430	0.265	ug/l #	76
8) Diethyl Ether	3.959	74	215	0.105	ug/l	58
9) 1,1,2-Trichlorotrifluo...	4.383	101	499m	0.159	ug/l	
10) Methyl Iodide	4.612	142	1059m	0.296	ug/l	
11) Tert butyl alcohol	5.500	59	1323m	2.472	ug/l	
13) Acrolein	4.177	56	119	0.272	ug/l #	16
14) Allyl chloride	5.036	41	1146m	0.253	ug/l	
15) Acrylonitrile	5.724	53	1774	1.063	ug/l #	53
17) Carbon Disulfide	4.718	76	2233	0.261	ug/l #	75
18) Methyl Acetate	5.030	43	2961	0.420	ug/l #	61
22) Diisopropyl ether	6.677	45	1786m	0.170	ug/l	
26) 2,2-Dichloropropane	7.488	77	1226	0.232	ug/l #	53
27) cis-1,2-Dichloroethene	7.488	96	684	0.173	ug/l	64
28) Bromochloromethane	7.812	49	797m	0.256	ug/l	
29) Tetrahydrofuran	7.853	42	1282	0.914	ug/l #	65
32) 1,1,1-Trichloroethane	8.147	97	585	0.103	ug/l #	24
36) 1,1-Dichloropropene	8.371	75	1182	0.233	ug/l #	44
37) Ethyl Acetate	7.583	43	989	0.213	ug/l #	63
38) Carbon Tetrachloride	8.383	117	1105	0.216	ug/l #	43
41) Methacrylonitrile	7.777	41	450m	0.182	ug/l	
42) 1,2-Dichloroethane	8.671	62	1623	0.306	ug/l #	73
43) Isopropyl Acetate	8.700	43	1419m	0.174	ug/l	
46) Dibromomethane	9.718	93	582	0.220	ug/l #	75
48) Methyl methacrylate	9.677	41	403m	0.113	ug/l	
49) 1,4-Dioxane	9.712	88	223	3.532	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	4173	0.908	ug/l	87
52) Toluene	10.629	92	2326	0.258	ug/l	86
56) Ethyl methacrylate	10.876	69	788	0.152	ug/l #	83
57) 1,3-Dichloropropane	11.153	76	1347	0.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	2625	1.002	ug/l #	87
59) 2-Hexanone	11.194	43	3093	0.880	ug/l	86

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
60) Dibromochloromethane	11.353	129	874	0.225	ug/l		94
61) 1,2-Dibromoethane	11.476	107	700	0.193	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.971	131	949	0.280	ug/l	#	51
68) m/p-Xylenes	12.070	106	1786	0.292	ug/l	#	66
69) o-Xylene	12.406	106	966	0.164	ug/l		99
70) Styrene	12.418	104	1568	0.166	ug/l	#	84
71) Bromoform	12.582	173	457	0.190	ug/l	#	28
73) Isopropylbenzene	12.706	105	2013	0.159	ug/l		98
74) N-amyl acetate	12.500	43	1035	0.187	ug/l	#	73
75) 1,1,2,2-Tetrachloroethane	12.941	83	1050	0.234	ug/l	#	90
76) 1,2,3-Trichloropropane	12.994	75	752m	0.192	ug/l		
77) Bromobenzene	12.976	156	684	0.221	ug/l		55
78) n-propylbenzene	13.041	91	3114	0.215	ug/l		89
79) 2-Chlorotoluene	13.129	91	2015	0.218	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	1766	0.179	ug/l		95
82) 4-Chlorotoluene	13.223	91	1625	0.177	ug/l		90
83) tert-Butylbenzene	13.447	119	1523	0.189	ug/l	#	79
84) 1,2,4-Trimethylbenzene	13.482	105	1489	0.154	ug/l		89
85) sec-Butylbenzene	13.612	105	1687	0.151	ug/l		98
86) p-Isopropyltoluene	13.735	119	1459	0.160	ug/l	#	67
87) 1,3-Dichlorobenzene	13.729	146	1074	0.186	ug/l		92
88) 1,4-Dichlorobenzene	13.823	146	1737m	0.297	ug/l		
89) n-Butylbenzene	14.065	91	1059	0.135	ug/l	#	85
90) Hexachloroethane	14.335	117	320	0.177	ug/l	#	57
91) 1,2-Dichlorobenzene	14.112	146	1302	0.239	ug/l		86
92) 1,2-Dibromo-3-Chloropr...	14.735	75	148m	0.194	ug/l		
93) 1,2,4-Trichlorobenzene	15.388	180	517	0.200	ug/l	#	19
94) Hexachlorobutadiene	15.506	225	262	0.223	ug/l	#	39
95) Naphthalene	15.641	128	2556	0.291	ug/l	#	85
96) 1,2,3-Trichlorobenzene	15.847	180	550	0.217	ug/l	#	55

11/02/2023
Supervised By :Mahesh Dadoda

11/02/2023

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

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