Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
Data File : VX023235.D
Acq On : 12 Jul 2021 12:28
Operator : JC/MD
Sample : M2940-09 .2PPB MDL
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

Manual Integrations APPROVED
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7/13/2021 6:53:49 PM

Quant Time: Jul 13 03:05:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 13 03:05:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.562	168	273725	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.769	114	428018	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	383549	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170897	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	176346	47.935	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.860%				
35) Dibromofluoromethane	5.391	113	131931	47.733	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.460%				
50) Toluene-d8	8.653	98	482316	46.780	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.560%				
62) 4-Bromofluorobenzene	11.085	95	177758	44.659	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.320%				
Target Compounds							Qvalue
3) Chloromethane	1.300	50	612	0.249	ug/l		97
4) Vinyl Chloride	1.374	62	586	0.225	ug/l		89
5) Bromomethane	1.605	94	1212	0.834	ug/l	#	74
6) Chloroethane	1.678	64	427	0.251	ug/l	#	82
8) Diethyl Ether	2.136	74	405	0.243	ug/l		64
9) 1,1,2-Trichlorotrifluo...	2.331	101	757	0.286	ug/l		95
10) Methyl Iodide	2.453	142	746	0.230	ug/l	#	77
11) Tert butyl alcohol	2.959	59	2484	3.210	ug/l	#	90
12) 1,1-Dichloroethene	2.319	96	514	0.211	ug/l	#	57
13) Acrolein	2.245	56	909	1.764	ug/l	#	37
14) Allyl chloride	2.666	41	1593	0.376	ug/l	#	82
15) Acrylonitrile	3.075	53	1636	1.087	ug/l		93
16) Acetone	2.386	43	2198	1.510	ug/l		96
17) Carbon Disulfide	2.514	76	1332	0.259	ug/l	#	91
18) Methyl Acetate	2.715	43	1224	0.346	ug/l	#	61
20) Methylene Chloride	2.794	84	2238	0.714	ug/l		95
23) Vinyl Acetate	3.733	43	6949	0.919	ug/l	#	88
24) 1,1-Dichloroethane	3.611	63	1050	0.208	ug/l	#	81
25) 2-Butanone	4.586	43	2917	1.329	ug/l	#	86
26) 2,2-Dichloropropane	4.471	77	1029m	0.243	ug/l		
27) cis-1,2-Dichloroethene	4.471	96	639m	0.200	ug/l		
29) Tetrahydrofuran	5.038	42	1509	1.070	ug/l	#	74
30) Chloroform	5.105	83	1405	0.258	ug/l		86
37) Ethyl Acetate	4.751	43	1163m	0.279	ug/l		
38) Carbon Tetrachloride	5.678	117	849m	0.213	ug/l		
39) Methylcyclohexane	7.385	83	956	0.214	ug/l	#	70
40) Benzene	6.044	78	2322	0.210	ug/l		99
41) Methacrylonitrile	4.940	41	654m	0.281	ug/l		
42) 1,2-Dichloroethane	6.086	62	1181	0.265	ug/l	#	73
43) Isopropyl Acetate	6.348	43	1753	0.253	ug/l	#	69
44) Trichloroethene	7.141	130	1322	0.421	ug/l		83
46) Dibromomethane	7.592	93	416	0.201	ug/l	#	67
47) Bromodichloromethane	7.824	83	869	0.230	ug/l	#	70
48) Methyl methacrylate	7.696	41	785	0.231	ug/l	#	76
49) 1,4-Dioxane	7.671	88	114	1.491	ug/l	#	47
51) 4-Methyl-2-Pentanone	8.574	43	3978	0.927	ug/l		92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
58) 2-Chloroethyl Vinyl ether	8.250	63	5717	2.513	ug/l		100
59) 2-Hexanone	9.433	43	2786	0.846	ug/l		92
64) Tetrachloroethene	9.275	164	706	0.231	ug/l	#	84
65) Chlorobenzene	10.085	112	1560	0.206	ug/l		98
68) m/p-Xylenes	10.311	106	1703	0.333	ug/l		84
73) Isopropylbenzene	10.963	105	2425	0.201	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.219	83	818	0.214	ug/l		92
76) 1,2,3-Trichloropropane	11.244	75	780m	0.227	ug/l		
78) n-propylbenzene	11.305	91	2806	0.202	ug/l		98
79) 2-Chlorotoluene	11.366	91	1934	0.225	ug/l		97
82) 4-Chlorotoluene	11.457	91	1990	0.205	ug/l		98
84) 1,2,4-Trimethylbenzene	11.756	105	2080	0.203	ug/l		96
87) 1,3-Dichlorobenzene	11.975	146	1163	0.206	ug/l		97
88) 1,4-Dichlorobenzene	12.049	146	1408m	0.248	ug/l		
91) 1,2-Dichlorobenzene	12.335	146	1222	0.218	ug/l		92
93) 1,2,4-Trichlorobenzene	13.591	180	693	0.200	ug/l		83

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

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