Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
Data File : VX041973.D
Acq On : 21 Jun 2024 12:03
Operator : JC/MD
Sample : P2403-09 0.2PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 22 05:57:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 22 05:57:20 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2024

Manual Integrations APPROVED

Reviewed By :John Carlone

06/24/2024
Supervised By :Mahesh Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	173139	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	258537	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100037	50.106	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.220%			
35) Dibromofluoromethane	5.391	113	89801	48.952	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.647	98	303230	47.052	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.100%			
62) 4-Bromofluorobenzene	11.079	95	107268	45.154	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	267	0.202	ug/l #	41
3) Chloromethane	1.300	50	529	0.320	ug/l	89
5) Bromomethane	1.599	94	594	0.725	ug/l	92
6) Chloroethane	1.666	64	1231	1.474	ug/l #	57
7) Trichlorofluoromethane	1.873	101	508	0.234	ug/l	87
8) Diethyl Ether	2.142	74	224	0.220	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.318	101	364	0.243	ug/l #	74
10) Methyl Iodide	2.446	142	580	0.312	ug/l #	71
11) Tert butyl alcohol	2.995	59	488	1.288	ug/l #	78
12) 1,1-Dichloroethene	2.306	96	339	0.227	ug/l #	77
13) Acrolein	2.239	56	346	0.815	ug/l #	72
14) Allyl chloride	2.660	41	553	0.233	ug/l	90
15) Acrylonitrile	3.080	53	830	0.839	ug/l	94
16) Acetone	2.392	43	1788	2.040	ug/l #	66
17) Carbon Disulfide	2.501	76	1214	0.399	ug/l #	76
18) Methyl Acetate	2.715	43	561	0.235	ug/l #	91
20) Methylene Chloride	2.788	84	1607	0.837	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	308	0.203	ug/l	93
23) Vinyl Acetate	3.745	43	3309	0.774	ug/l	98
24) 1,1-Dichloroethane	3.617	63	567	0.202	ug/l #	83
25) 2-Butanone	4.617	43	1314m	0.963	ug/l	
29) Tetrahydrofuran	5.043	42	868m	0.985	ug/l	
30) Chloroform	5.104	83	655	0.224	ug/l	95
31) Cyclohexane	5.470	56	572	0.245	ug/l #	82
36) 1,1-Dichloropropene	5.702	75	534	0.274	ug/l #	49
38) Carbon Tetrachloride	5.678	117	545	0.253	ug/l #	56
42) 1,2-Dichloroethane	6.104	62	594	0.281	ug/l #	77
44) Trichloroethene	7.128	130	1910	1.085	ug/l	77
51) 4-Methyl-2-Pentanone	8.586	43	2094	0.780	ug/l	97
52) Toluene	8.726	92	874	0.209	ug/l	84
58) 2-Chloroethyl Vinyl ether	8.256	63	1828	1.447	ug/l	94
59) 2-Hexanone	9.451	43	1627m	0.792	ug/l	
64) Tetrachloroethene	9.274	164	386	0.230	ug/l #	83
65) Chlorobenzene	10.079	112	1080	0.225	ug/l	95
68) m/p-Xylenes	10.311	106	1210	0.399	ug/l	98
71) Bromoform	10.805	173	337	0.225	ug/l #	29

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75) 1,1,2,2-Tetrachloroethane	11.219	83	524	0.213	ug/l	#	85
76) 1,2,3-Trichloropropane	11.244	75	516m	0.262	ug/l		
77) Bromobenzene	11.201	156	431	0.219	ug/l		90
79) 2-Chlorotoluene	11.366	91	1086	0.235	ug/l		98
82) 4-Chlorotoluene	11.463	91	1135	0.222	ug/l		98
83) tert-Butylbenzene	11.719	119	1295	0.214	ug/l		78
87) 1,3-Dichlorobenzene	11.975	146	838	0.242	ug/l		95
88) 1,4-Dichlorobenzene	12.042	146	932m	0.263	ug/l		
91) 1,2-Dichlorobenzene	12.341	146	862	0.244	ug/l		88
93) 1,2,4-Trichlorobenzene	13.597	180	574	0.248	ug/l	#	86
94) Hexachlorobutadiene	13.725	225	285	0.243	ug/l		88
95) Naphthalene	13.786	128	1637	0.229	ug/l		98
96) 1,2,3-Trichlorobenzene	13.969	180	545	0.223	ug/l		89

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

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