Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
Data File : VX034215.D
Acq On : 21 Feb 2023 17:28
Operator : JC/MD
Sample : 01627-07RE .2PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 22 03:03:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 22 02:40:46 2023
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023 .2PPB

Manual Integrations APPROVED

Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	309480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	511156	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	447012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	208566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191483	45.942	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 91.880%			
35) Dibromofluoromethane	5.391	113	164188	49.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.660%			
50) Toluene-d8	8.647	98	607897	50.874	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.740%			
62) 4-Bromofluorobenzene	11.079	95	211730	46.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	687	0.257	ug/l	93
3) Chloromethane	1.300	50	1378	0.358	ug/l	93
4) Vinyl Chloride	1.374	62	1060	0.302	ug/l	98
5) Bromomethane	1.611	94	1180	0.848	ug/l #	57
6) Chloroethane	1.697	64	848	0.481	ug/l #	69
7) Trichlorofluoromethane	1.886	101	1357	0.286	ug/l #	82
8) Diethyl Ether	2.136	74	455	0.238	ug/l	71
9) 1,1,2-Trichlorotrifluo...	2.331	101	812	0.243	ug/l	94
10) Methyl Iodide	2.453	142	871	0.214	ug/l #	83
11) Tert butyl alcohol	2.953	59	4118	4.417	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	758	0.226	ug/l #	80
13) Acrolein	2.233	56	664	1.560	ug/l #	73
14) Allyl chloride	2.666	41	1741	0.245	ug/l #	72
15) Acrylonitrile	3.081	53	2337	1.149	ug/l	97
16) Acetone	2.380	43	3191	1.484	ug/l #	85
17) Carbon Disulfide	2.514	76	3098	0.322	ug/l #	69
18) Methyl Acetate	2.715	43	1576	0.237	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	2556	0.216	ug/l	97
20) Methylene Chloride	2.788	84	2053	0.530	ug/l	89
21) trans-1,2-Dichloroethene	3.099	96	916	0.261	ug/l #	77
22) Diisopropyl ether	3.757	45	3185	0.256	ug/l #	56
23) Vinyl Acetate	3.745	43	11057	1.109	ug/l	97
24) 1,1-Dichloroethane	3.611	63	1560	0.228	ug/l #	81
25) 2-Butanone	4.574	43	4594m	1.477	ug/l	
26) 2,2-Dichloropropane	4.477	77	1514	0.245	ug/l #	72
27) cis-1,2-Dichloroethene	4.489	96	970m	0.234	ug/l	
29) Tetrahydrofuran	5.019	42	2859m	1.506	ug/l	
30) Chloroform	5.105	83	1556	0.237	ug/l #	77
31) Cyclohexane	5.483	56	1583m	0.254	ug/l	
32) 1,1,1-Trichloroethane	5.379	97	1440	0.245	ug/l #	48
36) 1,1-Dichloropropene	5.702	75	1314	0.267	ug/l #	89
38) Carbon Tetrachloride	5.678	117	1504	0.297	ug/l #	67
39) Methylcyclohexane	7.379	83	1660	0.262	ug/l #	92
40) Benzene	6.037	78	3392	0.233	ug/l	96
41) Methacrylonitrile	4.946	41	620m	0.202	ug/l	
42) 1,2-Dichloroethane	6.092	62	1565	0.305	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Trichloroethene	7.135	130	1032	0.276	ug/l		77
45) 1,2-Dichloropropane	7.440	63	827	0.213	ug/l	#	62
46) Dibromomethane	7.580	93	571	0.223	ug/l	#	81
47) Bromodichloromethane	7.830	83	1159	0.221	ug/l	#	87
48) Methyl methacrylate	7.714	41	1284	0.279	ug/l		89
49) 1,4-Dioxane	7.677	88	329	3.580	ug/l	#	97
51) 4-Methyl-2-Pentanone	8.574	43	5768	1.080	ug/l		94
52) Toluene	8.726	92	2178	0.246	ug/l		95
55) 1,1,2-Trichloroethane	9.159	97	810	0.227	ug/l	#	86
57) 1,3-Dichloropropane	9.317	76	1508	0.243	ug/l		93
58) 2-Chloroethyl Vinyl ether	8.257	63	2543	0.973	ug/l		99
59) 2-Hexanone	9.445	43	4533	1.114	ug/l		88
60) Dibromochloromethane	9.525	129	795	0.202	ug/l		97
61) 1,2-Dibromoethane	9.610	107	814	0.216	ug/l		81
64) Tetrachloroethene	9.275	164	839	0.266	ug/l	#	87
65) Chlorobenzene	10.079	112	2297	0.247	ug/l		94
66) 1,1,1,2-Tetrachloroethane	10.165	131	802	0.222	ug/l	#	63
67) Ethyl Benzene	10.195	91	4065	0.243	ug/l		98
68) m/p-Xylenes	10.305	106	3079	0.481	ug/l		95
69) o-Xylene	10.640	106	1448	0.227	ug/l		88
70) Styrene	10.665	104	2144	0.207	ug/l	#	90
73) Isopropylbenzene	10.963	105	3661	0.230	ug/l		91
74) N-amyl acetate	10.848	43	2150	0.269	ug/l	#	83
75) 1,1,2,2-Tetrachloroethane	11.219	83	1313	0.242	ug/l		91
77) Bromobenzene	11.201	156	901	0.236	ug/l		86
78) n-propylbenzene	11.305	91	4561	0.247	ug/l		99
79) 2-Chlorotoluene	11.366	91	3037	0.268	ug/l		95
80) 1,3,5-Trimethylbenzene	11.451	105	2909	0.218	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.024	75	416m	0.204	ug/l		
82) 4-Chlorotoluene	11.457	91	3317	0.257	ug/l		90
83) tert-Butylbenzene	11.713	119	3189	0.233	ug/l		91
84) 1,2,4-Trimethylbenzene	11.756	105	3010	0.223	ug/l		99
85) sec-Butylbenzene	11.890	105	4156	0.250	ug/l		91
86) p-Isopropyltoluene	12.012	119	3161	0.230	ug/l	#	72
87) 1,3-Dichlorobenzene	11.975	146	1906	0.266	ug/l		95
88) 1,4-Dichlorobenzene	12.042	146	2011m	0.278	ug/l		
89) n-Butylbenzene	12.335	91	2811	0.229	ug/l		97
90) Hexachloroethane	12.536	117	579	0.201	ug/l		88
91) 1,2-Dichlorobenzene	12.341	146	1806	0.257	ug/l		95
93) 1,2,4-Trichlorobenzene	13.591	180	1254	0.278	ug/l		96
94) Hexachlorobutadiene	13.725	225	596	0.319	ug/l		88
95) Naphthalene	13.780	128	3886	0.256	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	1082	0.242	ug/l		82

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

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