

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070722\
 Data File : VN073376.D
 Acq On : 07 Jul 2022 17:10
 Operator : JC\MD
 Sample : N3616-04MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-82-102-070622MS

Quant Time: Jul 08 03:02:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/08/2022
 Supervised By : Mahesh Dadoda 07/08/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	225657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	401086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	369392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	177714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	168015	51.576	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.160%			
35) Dibromofluoromethane	7.951	113	133053	49.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	10.381	98	469715	49.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.669	95	188905	51.866	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	158649	48.088	ug/l	94
3) Chloromethane	2.263	50	146714	45.806	ug/l	98
4) Vinyl Chloride	2.405	62	131190	48.206	ug/l	97
5) Bromomethane	2.787	94	54615	42.489	ug/l	98
6) Chloroethane	2.957	64	79854	49.881	ug/l	100
7) Trichlorofluoromethane	3.310	101	207451	44.092	ug/l	96
8) Diethyl Ether	3.769	74	99115	51.750	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.140	101	131949	47.463	ug/l	98
10) Methyl Iodide	4.352	142	145619	44.037	ug/l	95
11) Tert butyl alcohol	5.287	59	230605	292.224	ug/l	100
12) 1,1-Dichloroethene	4.110	96	132206	49.768	ug/l	97
13) Acrolein	3.981	56	141068	282.821	ug/l	99
14) Allyl chloride	4.763	41	280441	50.113	ug/l #	93
15) Acrylonitrile	5.475	53	587906	289.402	ug/l	99
16) Acetone	4.222	43	549033	300.256	ug/l	94
17) Carbon Disulfide	4.457	76	313575	45.524	ug/l	99
18) Methyl Acetate	4.775	43	277008	54.058	ug/l	90
19) Methyl tert-butyl Ether	5.528	73	512014	52.885	ug/l	99
20) Methylene Chloride	5.010	84	158122	49.205	ug/l	94
21) trans-1,2-Dichloroethene	5.510	96	135707	48.892	ug/l	93
22) Diisopropyl ether	6.416	45	564619	54.070	ug/l	95
23) Vinyl Acetate	6.351	43	2307781	246.836	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	284237	52.598	ug/l	99
25) 2-Butanone	7.257	43	872109	299.565	ug/l	90
26) 2,2-Dichloropropane	7.251	77	184089	36.833	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	170040	50.587	ug/l	98
28) Bromochloromethane	7.581	49	131893	58.277	ug/l	82
29) Tetrahydrofuran	7.610	42	578571	290.244	ug/l	87
30) Chloroform	7.745	83	286785	52.691	ug/l	98
31) Cyclohexane	8.022	56	242537	45.460	ug/l	94
32) 1,1,1-Trichloroethane	7.940	97	250483	51.642	ug/l	100
36) 1,1-Dichloropropene	8.151	75	197566	48.116	ug/l	99
37) Ethyl Acetate	7.334	43	313121	50.470	ug/l	95
38) Carbon Tetrachloride	8.134	117	203757	47.987	ug/l	97
39) Methylcyclohexane	9.392	83	235496	46.068	ug/l	96
40) Benzene	8.387	78	628724	49.616	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	169852	56.451	ug/l #	83
42) 1,2-Dichloroethane	8.463	62	234215	50.989	ug/l	99
43) Isopropyl Acetate	8.492	43	461620	51.772	ug/l	93
44) Trichloroethene	9.145	130	155448	48.205	ug/l	96
45) 1,2-Dichloropropane	9.428	63	166262	51.478	ug/l	99
46) Dibromomethane	9.516	93	112019	51.080	ug/l	92
47) Bromodichloromethane	9.698	83	220029	51.803	ug/l	98
48) Methyl methacrylate	9.498	41	214931	52.062	ug/l	88
49) 1,4-Dioxane	9.504	88	95175	1214.402	ug/l #	92
51) 4-Methyl-2-Pentanone	10.269	43	1642015	290.400	ug/l	90
52) Toluene	10.445	92	392489	50.119	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	235219	50.306	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	252513	50.023	ug/l #	91
55) 1,1,2-Trichloroethane	10.839	97	163204	50.622	ug/l	98
56) Ethyl methacrylate	10.698	69	277317	53.218	ug/l #	85
57) 1,3-Dichloropropane	10.986	76	281071	50.857	ug/l	99
59) 2-Hexanone	11.028	43	1283795	297.856	ug/l	89
60) Dibromochloromethane	11.175	129	165374	53.801	ug/l	99
61) 1,2-Dibromoethane	11.286	107	168615	52.362	ug/l	99
64) Tetrachloroethene	10.916	164	139685	46.309	ug/l	95
65) Chlorobenzene	11.710	112	410256	49.107	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	148750	48.408	ug/l	98
67) Ethyl Benzene	11.786	91	753307	49.668	ug/l	99
68) m/p-Xylenes	11.892	106	571377	99.821	ug/l	96
69) o-Xylene	12.216	106	285561	48.869	ug/l	95
70) Styrene	12.233	104	468594	51.940	ug/l	99
71) Bromoform	12.398	173	120377	53.537	ug/l #	99
73) Isopropylbenzene	12.516	105	746769	48.661	ug/l	99
74) N-amyl acetate	12.327	43	354381	46.118	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.769	83	258430	50.747	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	228994m	49.279	ug/l	
77) Bromobenzene	12.798	156	168797	47.309	ug/l	86
78) n-propylbenzene	12.857	91	849992	49.857	ug/l	97
79) 2-Chlorotoluene	12.945	91	524753	48.633	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	610972	48.844	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	81609	48.164	ug/l	94
82) 4-Chlorotoluene	13.045	91	501761	48.033	ug/l	97
83) tert-Butylbenzene	13.263	119	544038	48.514	ug/l	95
84) 1,2,4-Trimethylbenzene	13.304	105	607384	48.636	ug/l	97
85) sec-Butylbenzene	13.439	105	753696	50.052	ug/l	98
86) p-Isopropyltoluene	13.557	119	617819	50.790	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	307696	48.070	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	302906	47.230	ug/l	99
89) n-Butylbenzene	13.880	91	506250	49.944	ug/l	98
90) Hexachloroethane	14.145	117	112048	49.427	ug/l	86
91) 1,2-Dichlorobenzene	13.927	146	316105	48.478	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	64768	52.327	ug/l	94
93) 1,2,4-Trichlorobenzene	15.192	180	167755	49.410	ug/l	97
94) Hexachlorobutadiene	15.298	225	66809	44.265	ug/l	98
95) Naphthalene	15.433	128	665917	48.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	168957	48.242	ug/l	98

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

