

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074663.D
 Acq On : 30 Sep 2022 13:30
 Operator : JC\MD
 Sample : VN0930WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/03/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 03 02:05:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.928	168	368441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.822	114	686269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	729887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	438402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	445130	48.206	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.420%		
35) Dibromofluoromethane	7.863	113	344683	47.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.900%		
50) Toluene-d8	10.310	98	1475588	48.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.604	95	441463	45.567	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.999	85	154869	20.078	ug/l	98
3) Chloromethane	2.216	50	216364	19.175	ug/l	96
4) Vinyl Chloride	2.352	62	339093	20.695	ug/l	96
5) Bromomethane	2.716	94	258137	22.806	ug/l	97
6) Chloroethane	2.893	64	228957	18.184	ug/l	98
7) Trichlorofluoromethane	3.234	101	219967	19.308	ug/l	97
8) Diethyl Ether	3.687	74	101463	20.670	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.040	101	133525	19.667	ug/l	91
10) Methyl Iodide	4.246	142	159870	19.817	ug/l	91
11) Tert butyl alcohol	5.169	59	215204	87.267	ug/l	97
12) 1,1-Dichloroethene	4.022	96	125994	18.310	ug/l	94
13) Acrolein	3.893	56	91005	88.400	ug/l	99
14) Allyl chloride	4.652	41	279520	18.805	ug/l	96
15) Acrylonitrile	5.357	53	573492	98.555	ug/l	99
16) Acetone	4.122	43	441994	96.674	ug/l	97
17) Carbon Disulfide	4.357	76	383892	19.116	ug/l #	95
18) Methyl Acetate	4.669	43	329255	19.299	ug/l	90
19) Methyl tert-butyl Ether	5.416	73	513105	19.537	ug/l	94
20) Methylene Chloride	4.899	84	169618	20.547	ug/l #	81
21) trans-1,2-Dichloroethene	5.404	96	141120	18.772	ug/l	98
22) Diisopropyl ether	6.298	45	605805	20.035	ug/l	92
23) Vinyl Acetate	6.240	43	2614236	98.367	ug/l #	91
24) 1,1-Dichloroethane	6.187	63	298256	19.330	ug/l	97
25) 2-Butanone	7.157	43	807514	95.008	ug/l	90
26) 2,2-Dichloropropane	7.145	77	250501	19.090	ug/l	99
27) cis-1,2-Dichloroethene	7.151	96	175095	19.043	ug/l	92
28) Bromochloromethane	7.492	49	152161	21.652	ug/l #	66
29) Tetrahydrofuran	7.516	42	549459	97.978	ug/l #	86
30) Chloroform	7.657	83	278135	19.560	ug/l	100
31) Cyclohexane	7.934	56	302124	20.139	ug/l	85
32) 1,1,1-Trichloroethane	7.857	97	242056	19.398	ug/l	96
36) 1,1-Dichloropropene	8.063	75	219863	18.900	ug/l	95
37) Ethyl Acetate	7.240	43	321188	18.687	ug/l #	96
38) Carbon Tetrachloride	8.045	117	203932	19.135	ug/l	98
39) Methylcyclohexane	9.316	83	285846	19.682	ug/l	92
40) Benzene	8.304	78	683458	19.062	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.469	41	156853	20.833	ug/l	88
42) 1,2-Dichloroethane	8.381	62	231719	19.237	ug/l	99
43) Isopropyl Acetate	8.416	43	504749	18.340	ug/l	93
44) Trichloroethene	9.075	130	144987	19.409	ug/l	92
45) 1,2-Dichloropropane	9.357	63	189021	19.365	ug/l	100
46) Dibromomethane	9.439	93	117347	19.073	ug/l #	83
47) Bromodichloromethane	9.628	83	234318	19.487	ug/l	94
48) Methyl methacrylate	9.428	41	215577	19.007	ug/l	91
49) 1,4-Dioxane	9.434	88	80041	369.979	ug/l #	89
51) 4-Methyl-2-Pentanone	10.204	43	1679637	96.444	ug/l	89
52) Toluene	10.375	92	417550	19.287	ug/l	96
53) t-1,3-Dichloropropene	10.592	75	264272	19.389	ug/l	95
54) cis-1,3-Dichloropropene	10.063	75	280308	18.666	ug/l	94
55) 1,1,2-Trichloroethane	10.775	97	167354	19.181	ug/l	94
56) Ethyl methacrylate	10.633	69	292121	19.409	ug/l #	83
57) 1,3-Dichloropropane	10.916	76	310125	20.084	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.910	63	551089	89.685	ug/l #	88
59) 2-Hexanone	10.963	43	1240645	94.262	ug/l	89
60) Dibromochloromethane	11.110	129	158273	18.856	ug/l	99
61) 1,2-Dibromoethane	11.216	107	164613	19.253	ug/l	98
64) Tetrachloroethene	10.851	164	115582	18.731	ug/l	93
65) Chlorobenzene	11.645	112	420764	19.267	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.716	131	150380	19.300	ug/l	98
67) Ethyl Benzene	11.716	91	800392	19.588	ug/l	97
68) m/p-Xylenes	11.828	106	608208	39.308	ug/l	97
69) o-Xylene	12.157	106	296316	19.052	ug/l	95
70) Styrene	12.169	104	473058	19.071	ug/l	96
71) Bromoform	12.333	173	116442	18.638	ug/l #	96
73) Isopropylbenzene	12.451	105	769875	18.746	ug/l	99
74) N-amyl acetate	12.269	43	437311	19.185	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.704	83	284976	20.255	ug/l	98
76) 1,2,3-Trichloropropane	12.757	75	194257m	18.127	ug/l	
77) Bromobenzene	12.733	156	155364	19.564	ug/l	78
78) n-propylbenzene	12.798	91	912099	19.254	ug/l	94
79) 2-Chlorotoluene	12.880	91	517978	18.196	ug/l	99
80) 1,3,5-Trimethylbenzene	12.939	105	636443	19.421	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.504	75	99058	18.882	ug/l	96
82) 4-Chlorotoluene	12.980	91	500389	18.889	ug/l	100
83) tert-Butylbenzene	13.198	119	551574	18.845	ug/l	99
84) 1,2,4-Trimethylbenzene	13.239	105	634043	19.374	ug/l	100
85) sec-Butylbenzene	13.374	105	809434	19.680	ug/l	96
86) p-Isopropyltoluene	13.492	119	633521	19.443	ug/l	97
87) 1,3-Dichlorobenzene	13.492	146	301361	18.878	ug/l	99
88) 1,4-Dichlorobenzene	13.569	146	285432	17.494	ug/l	93
89) n-Butylbenzene	13.816	91	540256	18.793	ug/l	97
90) Hexachloroethane	14.086	117	128454	18.321	ug/l	74
91) 1,2-Dichlorobenzene	13.863	146	308700	18.531	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.474	75	53748	17.072	ug/l	87
93) 1,2,4-Trichlorobenzene	15.127	180	141758	19.047	ug/l	96
94) Hexachlorobutadiene	15.233	225	61116	19.001	ug/l	95
95) Naphthalene	15.363	128	520914	17.889	ug/l	99
96) 1,2,3-Trichlorobenzene	15.557	180	134676	18.177	ug/l	97

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

