

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081322\
 Data File : VN073870.D
 Acq On : 13 Aug 2022 16:01
 Operator : JC\MD
 Sample : VN0813WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2022
 Supervised By : Mahesh Dadoda 08/16/2022

Quant Time: Aug 14 02:35:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	536790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	771029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	695391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	353146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	243741	37.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	74.520%		
35) Dibromofluoromethane	7.951	113	218071	45.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.080%		
50) Toluene-d8	10.380	98	783366	41.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	82.240%#		
62) 4-Bromofluorobenzene	12.668	95	282675	42.690	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	91942	17.659	ug/l	98
3) Chloromethane	2.269	50	96054	13.522	ug/l	99
4) Vinyl Chloride	2.404	62	124441	13.666	ug/l	99
5) Bromomethane	2.798	94	88501	16.758	ug/l	98
6) Chloroethane	2.963	64	85117	14.517	ug/l	95
7) Trichlorofluoromethane	3.316	101	162657	17.333	ug/l	98
8) Diethyl Ether	3.769	74	61340	17.408	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.140	101	96994	18.681	ug/l	92
10) Methyl Iodide	4.345	142	109824	20.806	ug/l	98
11) Tert butyl alcohol	5.281	59	127220	90.176	ug/l	100
12) 1,1-Dichloroethene	4.116	96	86763	17.036	ug/l	90
13) Acrolein	3.987	56	37624	26.900	ug/l	97
14) Allyl chloride	4.757	41	122299	15.020	ug/l	93
15) Acrylonitrile	5.469	53	306151	78.449	ug/l	100
16) Acetone	4.216	43	257351	73.245	ug/l	99
17) Carbon Disulfide	4.457	76	202926	15.027	ug/l	99
18) Methyl Acetate	4.775	43	146561	16.766	ug/l	97
19) Methyl tert-butyl Ether	5.528	73	324867	18.672	ug/l	98
20) Methylene Chloride	5.016	84	106746	17.340	ug/l	95
21) trans-1,2-Dichloroethene	5.516	96	94176	17.082	ug/l	90
22) Diisopropyl ether	6.410	45	281446	16.021	ug/l	97
23) Vinyl Acetate	6.345	43	1236018	83.922	ug/l	99
24) 1,1-Dichloroethane	6.298	63	168556	15.597	ug/l	96
25) 2-Butanone	7.257	43	421286	77.208	ug/l	98
26) 2,2-Dichloropropane	7.245	77	153823	18.500	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	118536	17.451	ug/l	94
28) Bromochloromethane	7.580	49	62221	13.712	ug/l #	80
29) Tetrahydrofuran	7.610	42	267918	77.660	ug/l	94
30) Chloroform	7.745	83	190733	16.939	ug/l	96
31) Cyclohexane	8.022	56	150130	15.415	ug/l	93
32) 1,1,1-Trichloroethane	7.939	97	167247	17.889	ug/l	97
36) 1,1-Dichloropropene	8.151	75	129517	18.769	ug/l	98
37) Ethyl Acetate	7.333	43	157833	17.368	ug/l	97
38) Carbon Tetrachloride	8.133	117	149691	21.359	ug/l	94
39) Methylcyclohexane	9.392	83	170736	20.706	ug/l	95
40) Benzene	8.386	78	417485	18.631	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	71238	17.324	ug/l	95
42) 1,2-Dichloroethane	8.463	62	146938	19.457	ug/l	98
43) Isopropyl Acetate	8.492	43	239889	19.544	ug/l	98
44) Trichloroethene	9.151	130	120956	21.286	ug/l	95
45) 1,2-Dichloropropane	9.427	63	101382	18.101	ug/l	96
46) Dibromomethane	9.516	93	80430	20.691	ug/l	91
47) Bromodichloromethane	9.698	83	150579	20.183	ug/l	99
48) Methyl methacrylate	9.492	41	105512	19.638	ug/l	90
49) 1,4-Dioxane	9.504	88	62005	409.396	ug/l	90
51) 4-Methyl-2-Pentanone	10.269	43	814491	92.516	ug/l	99
52) Toluene	10.445	92	277119	20.247	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	158386	21.489	ug/l	98
54) cis-1,3-Dichloropropene	10.127	75	170600	20.540	ug/l	97
55) 1,1,2-Trichloroethane	10.839	97	117704	20.623	ug/l	99
56) Ethyl methacrylate	10.704	69	175159	22.267	ug/l	97
57) 1,3-Dichloropropane	10.986	76	189852	19.606	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	348647	90.366	ug/l	93
59) 2-Hexanone	11.027	43	629932	94.442	ug/l	99
60) Dibromochloromethane	11.180	129	129106	22.738	ug/l	98
61) 1,2-Dibromoethane	11.286	107	124988	21.263	ug/l	99
64) Tetrachloroethene	10.916	164	113425	20.524	ug/l	91
65) Chlorobenzene	11.710	112	312221	21.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	120946	22.829	ug/l	97
67) Ethyl Benzene	11.786	91	514113	20.631	ug/l	99
68) m/p-Xylenes	11.892	106	419942	44.186	ug/l	97
69) o-Xylene	12.221	106	208691	22.523	ug/l	97
70) Styrene	12.233	104	337822	22.776	ug/l	98
71) Bromoform	12.398	173	106788	24.420	ug/l #	100
73) Isopropylbenzene	12.515	105	523305	20.243	ug/l	97
74) N-amyl acetate	12.327	43	197985	20.270	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	179838	18.028	ug/l	98
76) 1,2,3-Trichloropropane	12.821	75	153065m	21.845	ug/l	
77) Bromobenzene	12.798	156	146767	21.801	ug/l	87
78) n-propylbenzene	12.862	91	574906	19.765	ug/l	97
79) 2-Chlorotoluene	12.945	91	359347	19.794	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	442027	20.778	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	56699	20.807	ug/l	97
82) 4-Chlorotoluene	13.045	91	340796	19.807	ug/l	95
83) tert-Butylbenzene	13.262	119	399558	21.204	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	443085	21.181	ug/l	99
85) sec-Butylbenzene	13.439	105	536949	20.617	ug/l	98
86) p-Isopropyltoluene	13.557	119	457396	22.278	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	252436	20.543	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	257265	20.924	ug/l	98
89) n-Butylbenzene	13.880	91	347040	20.774	ug/l	98
90) Hexachloroethane	14.151	117	79417	19.496	ug/l	88
91) 1,2-Dichlorobenzene	13.927	146	265081	21.288	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.539	75	41839	20.875	ug/l	83
93) 1,2,4-Trichlorobenzene	15.198	180	161935	26.188	ug/l	98
94) Hexachlorobutadiene	15.298	225	82720	24.606	ug/l	98
95) Naphthalene	15.433	128	542566	27.039	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	169351	26.021	ug/l	99

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

