

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050522\
 Data File : VN072339.D
 Acq On : 05 May 2022 12:39
 Operator : JC\MD
 Sample : VN0505WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2022
 Supervised By : Mahesh Dadoda 05/06/2022

Quant Time: May 06 01:34:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	208429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	351623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	318580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	131201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	166283	51.966	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.940%			
35) Dibromofluoromethane	8.022	113	119091	52.916	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.840%			
50) Toluene-d8	10.439	98	450919	50.989	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.727	95	148939	50.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	39954	16.991	ug/l	95
3) Chloromethane	2.299	50	43415	16.011	ug/l	94
4) Vinyl Chloride	2.440	62	37993	16.192	ug/l	99
5) Bromomethane	2.834	94	22585	18.706	ug/l	98
6) Chloroethane	3.010	64	24244	17.193	ug/l	90
7) Trichlorofluoromethane	3.375	101	71018	17.325	ug/l	93
8) Diethyl Ether	3.828	74	27974	18.846	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.210	101	40609	18.860	ug/l	97
10) Methyl Iodide	4.422	142	47163	18.045	ug/l #	87
11) Tert butyl alcohol	5.357	59	51977	98.844	ug/l	97
12) 1,1-Dichloroethene	4.181	96	34083	17.121	ug/l	97
13) Acrolein	4.040	56	37680	71.203	ug/l	99
14) Allyl chloride	4.845	41	74052	17.916	ug/l	94
15) Acrylonitrile	5.551	53	151443	95.438	ug/l	99
16) Acetone	4.287	43	129266	93.699	ug/l	97
17) Carbon Disulfide	4.528	76	74392	16.131	ug/l	100
18) Methyl Acetate	4.845	43	76665	19.854	ug/l #	88
19) Methyl tert-butyl Ether	5.610	73	157708	20.211	ug/l	98
20) Methylene Chloride	5.087	84	48193	18.224	ug/l	91
21) trans-1,2-Dichloroethene	5.598	96	37570	17.115	ug/l	95
22) Diisopropyl ether	6.487	45	167904	19.722	ug/l	96
23) Vinyl Acetate	6.428	43	706447	98.802	ug/l	94
24) 1,1-Dichloroethane	6.381	63	86484	18.161	ug/l	99
25) 2-Butanone	7.333	43	207593	94.486	ug/l #	89
26) 2,2-Dichloropropane	7.328	77	71491	19.218	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	49144	18.364	ug/l	90
28) Bromochloromethane	7.657	49	45381	21.282	ug/l #	85
29) Tetrahydrofuran	7.681	42	138709	96.200	ug/l #	86
30) Chloroform	7.816	83	92358	19.316	ug/l	99
31) Cyclohexane	8.092	56	71055	16.619	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	76420	18.781	ug/l	97
36) 1,1-Dichloropropene	8.222	75	58282	17.791	ug/l	95
37) Ethyl Acetate	7.410	43	84225	19.360	ug/l #	96
38) Carbon Tetrachloride	8.204	117	65383	18.635	ug/l	97
39) Methylcyclohexane	9.457	83	62256	16.992	ug/l	92
40) Benzene	8.457	78	186375	18.342	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	39129	17.779	ug/l	88
42) 1,2-Dichloroethane	8.528	62	79127	20.341	ug/l	98
43) Isopropyl Acetate	8.557	43	129866	19.509	ug/l	95
44) Trichloroethene	9.216	130	44947	19.016	ug/l	94
45) 1,2-Dichloropropane	9.486	63	51792	18.863	ug/l	100
46) Dibromomethane	9.575	93	35781	20.803	ug/l	91
47) Bromodichloromethane	9.757	83	73671	20.413	ug/l	98
48) Methyl methacrylate	9.557	41	59586	20.735	ug/l	92
49) 1,4-Dioxane	9.563	88	20129	398.753	ug/l #	86
51) 4-Methyl-2-Pentanone	10.327	43	417066	101.605	ug/l	93
52) Toluene	10.498	92	117706	19.377	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	73554	20.275	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	78117	19.910	ug/l	94
55) 1,1,2-Trichloroethane	10.892	97	51730	20.310	ug/l	93
56) Ethyl methacrylate	10.757	69	77147	18.842	ug/l	91
57) 1,3-Dichloropropane	11.039	76	89569	20.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	91321	88.432	ug/l	95
59) 2-Hexanone	11.080	43	293654	101.539	ug/l	91
60) Dibromochloromethane	11.233	129	52905	20.313	ug/l	98
61) 1,2-Dibromoethane	11.339	107	50560	20.185	ug/l	99
64) Tetrachloroethene	10.974	164	37558	19.585	ug/l #	84
65) Chlorobenzene	11.763	112	123708	19.218	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.833	131	51482	21.225	ug/l	96
67) Ethyl Benzene	11.839	91	215445	19.192	ug/l	99
68) m/p-Xylenes	11.951	106	167824	40.259	ug/l	98
69) o-Xylene	12.274	106	80804	19.995	ug/l	95
70) Styrene	12.286	104	130414	20.488	ug/l	97
71) Bromoform	12.451	173	37683	20.889	ug/l #	97
73) Isopropylbenzene	12.574	105	210870	18.198	ug/l	99
74) N-amyl acetate	12.386	43	79155	18.233	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.821	83	80245	19.894	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	70544m	23.810	ug/l	
77) Bromobenzene	12.857	156	51686	18.862	ug/l	91
78) n-propylbenzene	12.916	91	228055	17.865	ug/l	98
79) 2-Chlorotoluene	13.004	91	147797	17.627	ug/l	98
80) 1,3,5-Trimethylbenzene	13.051	105	172352	17.860	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	20878	18.400	ug/l	89
82) 4-Chlorotoluene	13.098	91	140686	18.024	ug/l	97
83) tert-Butylbenzene	13.321	119	154040	18.180	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	170222	18.231	ug/l	99
85) sec-Butylbenzene	13.498	105	203912	18.459	ug/l	100
86) p-Isopropyltoluene	13.610	119	166265	19.306	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	86978	19.611	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	85790	19.891	ug/l	97
89) n-Butylbenzene	13.939	91	121470	18.414	ug/l	94
90) Hexachloroethane	14.204	117	31949	17.089	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	86793	19.855	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	13917	17.365	ug/l	85
93) 1,2,4-Trichlorobenzene	15.257	180	32042	17.508	ug/l	97
94) Hexachlorobutadiene	15.368	225	20860	17.808	ug/l	100
95) Naphthalene	15.504	128	88295	16.175	ug/l	98
96) 1,2,3-Trichlorobenzene	15.698	180	34647	18.957	ug/l	97

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

