

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071531.D
 Acq On : 24 Mar 2022 20:22
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 09:33:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:31:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	694560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1117281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1021482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	426225	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	410309	51.527	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.060%
35) Dibromofluoromethane	8.016	113	335607	50.775	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.540%
50) Toluene-d8	10.439	98	1338513	50.423	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.840%
62) 4-Bromofluorobenzene	12.727	95	438357	46.926	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.860%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.069	85	344748	47.910	ug/l	100
3) Chloromethane	2.299	50	401020	44.536	ug/l	100
4) Vinyl Chloride	2.440	62	462132	50.281	ug/l	100
5) Bromomethane	2.834	94	286383	54.409	ug/l	100
6) Chloroethane	3.005	64	294461	48.709	ug/l	100
7) Trichlorofluoromethane	3.369	101	534967	47.075	ug/l	100
8) Diethyl Ether	3.822	74	224663	45.740	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.210	101	319062	45.984	ug/l	100
10) Methyl Iodide	4.422	142	481722	50.072	ug/l	100
11) Tert butyl alcohol	5.363	59	388495	264.948	ug/l	100
12) 1,1-Dichloroethene	4.181	96	319728	47.027	ug/l	100
13) Acrolein	4.040	56	287898	222.355	ug/l	100
14) Allyl chloride	4.840	41	514582	40.732	ug/l	100
15) Acrylonitrile	5.546	53	1052370	246.678	ug/l	100
16) Acetone	4.281	43	846893	199.673	ug/l	100
17) Carbon Disulfide	4.528	76	817838	42.644	ug/l	100
18) Methyl Acetate	4.846	43	453758	43.144	ug/l	100
19) Methyl tert-butyl Ether	5.610	73	1140660	48.150	ug/l	100
20) Methylene Chloride	5.093	84	373083	47.004	ug/l	100
21) trans-1,2-Dichloroethene	5.598	96	342733	47.154	ug/l	100
22) Diisopropyl ether	6.493	45	1089998	44.714	ug/l	100
23) Vinyl Acetate	6.428	43	4738923	229.247	ug/l	100
24) 1,1-Dichloroethane	6.381	63	644213	46.541	ug/l	100
25) 2-Butanone	7.328	43	1378948	239.397	ug/l	100
26) 2,2-Dichloropropane	7.322	77	544962	47.385	ug/l	100
27) cis-1,2-Dichloroethene	7.322	96	409763	48.828	ug/l	100
28) Bromochloromethane	7.651	49	262232	47.037	ug/l	100
29) Tetrahydrofuran	7.681	42	912309	242.779	ug/l	100
30) Chloroform	7.810	83	646857	47.328	ug/l	100
31) Cyclohexane	8.092	56	572326	42.630	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	569328	48.315	ug/l	100
36) 1,1-Dichloropropene	8.216	75	486363	45.281	ug/l	100
37) Ethyl Acetate	7.404	43	554636	47.859	ug/l	100
38) Carbon Tetrachloride	8.204	117	475487	44.984	ug/l	100
39) Methylcyclohexane	9.457	83	625127	45.361	ug/l	100
40) Benzene	8.457	78	1506533	47.086	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	254224	43.010	ug/l	100
42) 1,2-Dichloroethane	8.528	62	527067	48.081	ug/l	100
43) Isopropyl Acetate	8.557	43	840426	46.380	ug/l	100
44) Trichloroethene	9.210	130	388702	46.190	ug/l	100
45) 1,2-Dichloropropane	9.486	63	374842	46.022	ug/l	100
46) Dibromomethane	9.575	93	253193	46.958	ug/l	100
47) Bromodichloromethane	9.757	83	509638	46.785	ug/l	100
48) Methyl methacrylate	9.557	41	403337	47.060	ug/l	100
49) 1,4-Dioxane	9.563	88	183689	1148.781	ug/l	100
51) 4-Methyl-2-Pentanone	10.328	43	2723637	244.486	ug/l	100
52) Toluene	10.504	92	966469	48.112	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	561848	47.661	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	613380	47.429	ug/l	100
55) 1,1,2-Trichloroethane	10.892	97	376550	47.717	ug/l	100
56) Ethyl methacrylate	10.757	69	611569	51.420	ug/l	100
57) 1,3-Dichloropropane	11.039	76	650879	47.873	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	882709	393.689	ug/l	100
59) 2-Hexanone	11.080	43	1993638	258.894	ug/l	100
60) Dibromochloromethane	11.233	129	393279	47.606	ug/l	100
61) 1,2-Dibromoethane	11.339	107	395112	49.156	ug/l	100
64) Tetrachloroethene	10.975	164	330592	42.380	ug/l	100
65) Chlorobenzene	11.769	112	1025714	46.884	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	370628	46.647	ug/l	100
67) Ethyl Benzene	11.839	91	1831263	47.938	ug/l	100
68) m/p-Xylenes	11.945	106	1420701	96.465	ug/l	100
69) o-Xylene	12.275	106	701704	48.601	ug/l	100
70) Styrene	12.292	104	1118369	48.965	ug/l	100
71) Bromoform	12.457	173	301721	47.713	ug/l	100
73) Isopropylbenzene	12.575	105	1789435	51.491	ug/l	100
74) N-amyl acetate	12.380	43	596940	53.931	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.822	83	578859	51.846	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	434534m	44.569	ug/l	100
77) Bromobenzene	12.857	156	425880	50.173	ug/l	100
78) n-propylbenzene	12.916	91	1969394	50.737	ug/l	100
79) 2-Chlorotoluene	13.004	91	1201894	50.817	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	1434036	51.201	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	174308	54.687	ug/l	100
82) 4-Chlorotoluene	13.098	91	1135528	49.853	ug/l	100
83) tert-Butylbenzene	13.316	119	1295552	48.937	ug/l	100
84) 1,2,4-Trimethylbenzene	13.363	105	1402284	50.863	ug/l	100
85) sec-Butylbenzene	13.498	105	1752614	50.236	ug/l	100
86) p-Isopropyltoluene	13.610	119	1438291	50.442	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	721192	48.563	ug/l	100
88) 1,4-Dichlorobenzene	13.692	146	698264	47.955	ug/l	100
89) n-Butylbenzene	13.939	91	1072731	46.718	ug/l	100
90) Hexachloroethane	14.204	117	261303	50.979	ug/l	100
91) 1,2-Dichlorobenzene	13.986	146	688785	49.194	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.598	75	105374	57.859	ug/l	100
93) 1,2,4-Trichlorobenzene	15.257	180	328614	48.286	ug/l	100
94) Hexachlorobutadiene	15.368	225	192535	39.061	ug/l	100
95) Naphthalene	15.498	128	981874	65.894	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	329978	52.741	ug/l	100

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

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