

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071651.D
 Acq On : 30 Mar 2022 11:39
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Mar 30 12:08:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 12:03:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	557870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	881368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	806419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	343934	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	316572	47.719	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.440%
35) Dibromofluoromethane	8.016	113	261345	48.709	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.420%
50) Toluene-d8	10.439	98	1065116	48.113	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.220%
62) 4-Bromofluorobenzene	12.727	95	359264	49.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.240%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	231965	43.246	ug/l	96
3) Chloromethane	2.299	50	268109	42.232	ug/l	97
4) Vinyl Chloride	2.446	62	314467	44.550	ug/l	100
5) Bromomethane	2.846	94	204099	49.462	ug/l	100
6) Chloroethane	3.010	64	222242	43.530	ug/l	99
7) Trichlorofluoromethane	3.375	101	398317	47.087	ug/l	100
8) Diethyl Ether	3.828	74	171007	48.501	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.216	101	243487	47.347	ug/l	97
10) Methyl Iodide	4.422	142	353568	46.923	ug/l	99
11) Tert butyl alcohol	5.357	59	279974	238.804	ug/l	100
12) 1,1-Dichloroethene	4.187	96	232701	46.923	ug/l	99
13) Acrolein	4.040	56	339658	317.233	ug/l	99
14) Allyl chloride	4.840	41	387707	48.685	ug/l	99
15) Acrylonitrile	5.546	53	802544	244.061	ug/l	99
16) Acetone	4.275	43	650414	235.918	ug/l	99
17) Carbon Disulfide	4.534	76	513566	41.855	ug/l	98
18) Methyl Acetate	4.846	43	348898	40.907	ug/l	99
19) Methyl tert-butyl Ether	5.610	73	900754	49.361	ug/l	100
20) Methylene Chloride	5.093	84	282104	46.555	ug/l	98
21) trans-1,2-Dichloroethene	5.599	96	250935	47.070	ug/l	97
22) Diisopropyl ether	6.487	45	846700	49.640	ug/l	99
23) Vinyl Acetate	6.428	43	3650389	254.027	ug/l	99
24) 1,1-Dichloroethane	6.387	63	492636	48.603	ug/l	99
25) 2-Butanone	7.328	43	1025439	240.389	ug/l	100
26) 2,2-Dichloropropane	7.322	77	427887	49.102	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	318159	48.453	ug/l	99
28) Bromochloromethane	7.657	49	176102	43.858	ug/l	99
29) Tetrahydrofuran	7.675	42	686593	247.454	ug/l	99
30) Chloroform	7.810	83	515872	49.580	ug/l	97
31) Cyclohexane	8.092	56	416822	44.989	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	443212	49.198	ug/l	99
36) 1,1-Dichloropropene	8.216	75	365744	47.227	ug/l	100
37) Ethyl Acetate	7.404	43	426106	49.965	ug/l	100
38) Carbon Tetrachloride	8.204	117	366691	47.891	ug/l	99
39) Methylcyclohexane	9.451	83	454579	47.602	ug/l	99
40) Benzene	8.457	78	1143685	48.088	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	203310	49.230	ug/l	95
42) 1,2-Dichloroethane	8.528	62	396142	48.205	ug/l	100
43) Isopropyl Acetate	8.551	43	646599	43.096	ug/l	100
44) Trichloroethene	9.210	130	303157	48.365	ug/l	97
45) 1,2-Dichloropropane	9.486	63	289995	49.378	ug/l	100
46) Dibromomethane	9.575	93	197403	49.149	ug/l	99
47) Bromodichloromethane	9.757	83	403092	50.916	ug/l	99
48) Methyl methacrylate	9.551	41	289848	47.924	ug/l	96
49) 1,4-Dioxane	9.563	88	132135	979.953	ug/l	97
51) 4-Methyl-2-Pentanone	10.322	43	2078434	249.809	ug/l	100
52) Toluene	10.498	92	750456	48.955	ug/l	99
53) t-1,3-Dichloropropene	10.710	75	436515	50.687	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	478366	51.090	ug/l	98
55) 1,1,2-Trichloroethane	10.892	97	304645	49.207	ug/l	99
56) Ethyl methacrylate	10.751	69	472056	51.197	ug/l	99
57) 1,3-Dichloropropane	11.039	76	510593	49.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.034	63	612440	260.640	ug/l	100
59) 2-Hexanone	11.081	43	1503255	252.878	ug/l	99
60) Dibromochloromethane	11.233	129	315361	50.943	ug/l	100
61) 1,2-Dibromoethane	11.339	107	306760	49.135	ug/l	99
64) Tetrachloroethene	10.975	164	259815	46.800	ug/l	99
65) Chlorobenzene	11.763	112	812898	48.402	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	298752	49.636	ug/l	100
67) Ethyl Benzene	11.839	91	1448117	50.008	ug/l	100
68) m/p-Xylenes	11.951	106	1126601	102.215	ug/l	99
69) o-Xylene	12.275	106	559968	50.602	ug/l	98
70) Styrene	12.286	104	895182	53.006	ug/l	100
71) Bromoform	12.451	173	246453	51.834	ug/l #	98
73) Isopropylbenzene	12.575	105	1439647	47.798	ug/l	100
74) N-amyl acetate	12.380	43	463393	50.646	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.822	83	464007	46.049	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	386228m	46.823	ug/l	
77) Bromobenzene	12.851	156	349896	46.145	ug/l	98
78) n-propylbenzene	12.916	91	1580652	48.659	ug/l	100
79) 2-Chlorotoluene	13.004	91	962133	47.294	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	1153440	48.497	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	139837	48.943	ug/l	98
82) 4-Chlorotoluene	13.098	91	917072	48.300	ug/l	100
83) tert-Butylbenzene	13.316	119	1066764	48.837	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1140267	48.873	ug/l	100
85) sec-Butylbenzene	13.498	105	1419531	49.273	ug/l	100
86) p-Isopropyltoluene	13.610	119	1168440	50.949	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	589707	48.239	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	569355	46.908	ug/l	99
89) n-Butylbenzene	13.939	91	881029	50.850	ug/l	100
90) Hexachloroethane	14.204	117	207239	48.199	ug/l	98
91) 1,2-Dichlorobenzene	13.980	146	564264	47.244	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	80475	46.332	ug/l	99
93) 1,2,4-Trichlorobenzene	15.257	180	272634	51.584	ug/l	98
94) Hexachlorobutadiene	15.363	225	164602	49.288	ug/l	99
95) Naphthalene	15.498	128	752014	52.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	263747	49.914	ug/l	99

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

