

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033022\
 Data File : VN071654.D
 Acq On : 30 Mar 2022 12:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN033022

Manual Integrations
 APPROVED

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

Quant Time: Mar 31 01:31:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 19:18:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	585482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	921529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	848784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	366457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	339444	50.785	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.560%	
35) Dibromofluoromethane	8.016	113	282151	52.032	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.060%	
50) Toluene-d8	10.439	98	1148869	51.791	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	12.727	95	394677	55.013	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 110.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	236857	50.886	ug/l	99
3) Chloromethane	2.299	50	272683	46.231	ug/l	98
4) Vinyl Chloride	2.446	62	313701	48.431	ug/l	100
5) Bromomethane	2.834	94	208912	49.616	ug/l	99
6) Chloroethane	3.004	64	213572	45.834	ug/l	96
7) Trichlorofluoromethane	3.369	101	402754	48.873	ug/l	100
8) Diethyl Ether	3.828	74	178018	51.115	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.210	101	249410	49.112	ug/l	97
10) Methyl Iodide	4.422	142	362994	51.134	ug/l	99
11) Tert butyl alcohol	5.357	59	278227	256.502	ug/l	99
12) 1,1-Dichloroethene	4.181	96	237930	49.234	ug/l	98
13) Acrolein	4.040	56	330647	250.003	ug/l	99
14) Allyl chloride	4.840	41	397448	50.671	ug/l	99
15) Acrylonitrile	5.545	53	812577	257.728	ug/l	99
16) Acetone	4.281	43	707452	247.665	ug/l	100
17) Carbon Disulfide	4.534	76	520672	46.958	ug/l	99
18) Methyl Acetate	4.851	43	356134	50.358	ug/l	99
19) Methyl tert-butyl Ether	5.610	73	932330	51.931	ug/l	98
20) Methylene Chloride	5.093	84	289287	48.048	ug/l	99
21) trans-1,2-Dichloroethene	5.598	96	257704	48.576	ug/l	96
22) Diisopropyl ether	6.492	45	880994	51.593	ug/l	97
23) Vinyl Acetate	6.428	43	3772469	277.817	ug/l	100
24) 1,1-Dichloroethane	6.387	63	502246	50.102	ug/l	99
25) 2-Butanone	7.328	43	1054375	256.042	ug/l	100
26) 2,2-Dichloropropane	7.322	77	445473	51.730	ug/l	100
27) cis-1,2-Dichloroethene	7.322	96	330405	50.788	ug/l	98
28) Bromochloromethane	7.651	49	193296	47.801	ug/l	99
29) Tetrahydrofuran	7.675	42	677258	253.994	ug/l	99
30) Chloroform	7.816	83	527330	49.820	ug/l	99
31) Cyclohexane	8.092	56	422102	46.437	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	452127	49.930	ug/l	99
36) 1,1-Dichloropropene	8.216	75	376426	49.709	ug/l	100
37) Ethyl Acetate	7.404	43	412713	49.794	ug/l	99
38) Carbon Tetrachloride	8.204	117	374905	50.516	ug/l	99
39) Methylcyclohexane	9.457	83	468849	52.013	ug/l	97
40) Benzene	8.457	78	1179194	49.295	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	207182	51.051	ug/l	97
42) 1,2-Dichloroethane	8.522	62	408019	49.308	ug/l	98
43) Isopropyl Acetate	8.557	43	695295	50.434	ug/l	99
44) Trichloroethene	9.210	130	311397	50.528	ug/l	96
45) 1,2-Dichloropropane	9.486	63	298014	49.868	ug/l	99
46) Dibromomethane	9.575	93	201829	49.742	ug/l	98
47) Bromodichloromethane	9.757	83	408995	51.207	ug/l	95
48) Methyl methacrylate	9.557	41	292307	51.106	ug/l	93
49) 1,4-Dioxane	9.563	88	131029	965.157	ug/l	98
51) 4-Methyl-2-Pentanone	10.322	43	2092529	263.999	ug/l	99
52) Toluene	10.498	92	774369	51.210	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	455613	54.428	ug/l	100
54) cis-1,3-Dichloropropene	10.180	75	495527	53.576	ug/l	99
55) 1,1,2-Trichloroethane	10.892	97	311502	50.054	ug/l	98
56) Ethyl methacrylate	10.757	69	494585	55.709	ug/l	98
57) 1,3-Dichloropropane	11.039	76	523444	50.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	648058	237.980	ug/l	99
59) 2-Hexanone	11.080	43	1536634	275.357	ug/l	100
60) Dibromochloromethane	11.233	129	327568	53.982	ug/l	100
61) 1,2-Dibromoethane	11.339	107	318425	51.979	ug/l	100
64) Tetrachloroethene	10.974	164	268386	47.885	ug/l	98
65) Chlorobenzene	11.763	112	847266	49.852	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	308384	50.284	ug/l	99
67) Ethyl Benzene	11.839	91	1502409	52.219	ug/l	100
68) m/p-Xylenes	11.951	106	1166287	105.502	ug/l	99
69) o-Xylene	12.274	106	582697	53.105	ug/l	98
70) Styrene	12.286	104	936619	56.338	ug/l	100
71) Bromoform	12.451	173	248994	53.314	ug/l #	99
73) Isopropylbenzene	12.574	105	1487794	48.179	ug/l	100
74) N-amyl acetate	12.380	43	470571	53.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	470152	45.631	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	404344m	47.630	ug/l	
77) Bromobenzene	12.857	156	359966	46.500	ug/l	98
78) n-propylbenzene	12.916	91	1643063	50.582	ug/l	99
79) 2-Chlorotoluene	13.004	91	1008871	48.429	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	1202111	49.132	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	143142	52.253	ug/l	100
82) 4-Chlorotoluene	13.098	91	962620	49.852	ug/l	100
83) tert-Butylbenzene	13.316	119	1094850	48.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1188858	49.801	ug/l	100
85) sec-Butylbenzene	13.498	105	1470081	50.705	ug/l	100
86) p-Isopropyltoluene	13.610	119	1222549	52.885	ug/l	100
87) 1,3-Dichlorobenzene	13.610	146	621757	50.415	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	601912	50.026	ug/l	99
89) n-Butylbenzene	13.939	91	930861	54.292	ug/l	100
90) Hexachloroethane	14.204	117	217346	51.362	ug/l	97
91) 1,2-Dichlorobenzene	13.980	146	588916	48.641	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	81877	51.231	ug/l	99
93) 1,2,4-Trichlorobenzene	15.257	180	292170	50.093	ug/l	100
94) Hexachlorobutadiene	15.362	225	172994	48.446	ug/l	99
95) Naphthalene	15.498	128	795543	47.850	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	279869	49.560	ug/l	98

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

