

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071743.D
 Acq On : 01 Apr 2022 10:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/02/2022
 Supervised By : Mahesh Dadoda 04/02/2022

Quant Time: Apr 02 00:50:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	564803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	882637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	832885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	333600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	299050	46.380	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.760%
35) Dibromofluoromethane	8.016	113	248661	47.876	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.760%
50) Toluene-d8	10.439	98	989819	46.587	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.180%
62) 4-Bromofluorobenzene	12.727	95	337887	49.172	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	194580	43.334	ug/l	99
3) Chloromethane	2.299	50	233401	41.020	ug/l	99
4) Vinyl Chloride	2.446	62	255408	40.875	ug/l	97
5) Bromomethane	2.828	94	167346	41.199	ug/l	97
6) Chloroethane	3.004	64	186290	41.443	ug/l	97
7) Trichlorofluoromethane	3.369	101	337036	42.396	ug/l	99
8) Diethyl Ether	3.822	74	164582	48.987	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.210	101	216330	44.158	ug/l	99
10) Methyl Iodide	4.422	142	305525	44.614	ug/l	99
11) Tert butyl alcohol	5.363	59	259045	247.562	ug/l	99
12) 1,1-Dichloroethene	4.181	96	203051	43.555	ug/l	97
13) Acrolein	4.040	56	383777	300.799	ug/l	99
14) Allyl chloride	4.840	41	350364	46.304	ug/l	96
15) Acrylonitrile	5.545	53	769135	252.881	ug/l	99
16) Acetone	4.281	43	588319	213.500	ug/l	95
17) Carbon Disulfide	4.534	76	431950	40.383	ug/l	98
18) Methyl Acetate	4.851	43	333240	48.799	ug/l	100
19) Methyl tert-butyl Ether	5.610	73	856378	49.447	ug/l	100
20) Methylene Chloride	5.093	84	267778	46.104	ug/l	97
21) trans-1,2-Dichloroethene	5.598	96	223119	43.597	ug/l	99
22) Diisopropyl ether	6.492	45	813452	49.382	ug/l	96
23) Vinyl Acetate	6.428	43	3450893	263.440	ug/l	100
24) 1,1-Dichloroethane	6.387	63	454385	46.988	ug/l	99
25) 2-Butanone	7.328	43	957660	241.071	ug/l	97
26) 2,2-Dichloropropane	7.322	77	378880	45.608	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	295794	47.133	ug/l	99
28) Bromochloromethane	7.657	49	221323	56.736	ug/l	99
29) Tetrahydrofuran	7.681	42	637263	247.744	ug/l	100
30) Chloroform	7.816	83	478742	46.885	ug/l	98
31) Cyclohexane	8.092	56	363417	41.445	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	394956	45.213	ug/l	98
36) 1,1-Dichloropropene	8.216	75	326762	45.052	ug/l	99
37) Ethyl Acetate	7.404	43	384037	48.376	ug/l	99
38) Carbon Tetrachloride	8.204	117	323110	45.455	ug/l	99
39) Methylcyclohexane	9.457	83	393058	45.526	ug/l	96
40) Benzene	8.457	78	1067111	46.575	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	208121	53.542	ug/l	90
42) 1,2-Dichloroethane	8.528	62	371985	46.934	ug/l	99
43) Isopropyl Acetate	8.557	43	629971	47.709	ug/l	100
44) Trichloroethene	9.210	130	270162	45.769	ug/l	97
45) 1,2-Dichloropropane	9.486	63	279169	48.773	ug/l	99
46) Dibromomethane	9.575	93	186792	48.065	ug/l	98
47) Bromodichloromethane	9.757	83	385740	50.424	ug/l	100
48) Methyl methacrylate	9.557	41	294361	53.733	ug/l	98
49) 1,4-Dioxane	9.563	88	126201	970.633	ug/l	99
51) 4-Methyl-2-Pentanone	10.328	43	1992892	262.507	ug/l	99
52) Toluene	10.504	92	695702	48.035	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	429535	53.574	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	458315	51.736	ug/l	95
55) 1,1,2-Trichloroethane	10.892	97	297197	49.860	ug/l	98
56) Ethyl methacrylate	10.757	69	476756	56.067	ug/l	94
57) 1,3-Dichloropropane	11.039	76	492861	49.454	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	603887	231.990	ug/l	99
59) 2-Hexanone	11.080	43	1393434	260.699	ug/l	98
60) Dibromochloromethane	11.233	129	310868	53.487	ug/l	99
61) 1,2-Dibromoethane	11.345	107	298760	50.918	ug/l	99
64) Tetrachloroethene	10.975	164	231252	42.047	ug/l	98
65) Chlorobenzene	11.769	112	780087	46.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.839	131	290141	48.213	ug/l	99
67) Ethyl Benzene	11.839	91	1342711	47.559	ug/l	100
68) m/p-Xylenes	11.951	106	1042058	96.063	ug/l	100
69) o-Xylene	12.274	106	527659	49.007	ug/l	98
70) Styrene	12.292	104	852631	52.265	ug/l	99
71) Bromoform	12.457	173	237944	51.921	ug/l #	100
73) Isopropylbenzene	12.574	105	1324769	47.125	ug/l	100
74) N-amyl acetate	12.386	43	419307	52.059	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.822	83	428872	45.724	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	380845m	49.281	ug/l	
77) Bromobenzene	12.857	156	323975	45.973	ug/l	100
78) n-propylbenzene	12.916	91	1446421	48.914	ug/l	100
79) 2-Chlorotoluene	13.004	91	892868	47.082	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	1078238	48.410	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	128681	51.601	ug/l	97
82) 4-Chlorotoluene	13.104	91	844423	48.038	ug/l	100
83) tert-Butylbenzene	13.321	119	956429	46.976	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1055333	48.562	ug/l	99
85) sec-Butylbenzene	13.498	105	1274846	48.302	ug/l	100
86) p-Isopropyltoluene	13.610	119	1045023	49.658	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	525912	46.843	ug/l	100
88) 1,4-Dichlorobenzene	13.692	146	512584	46.798	ug/l	100
89) n-Butylbenzene	13.939	91	770030	49.335	ug/l	100
90) Hexachloroethane	14.210	117	194071	50.378	ug/l	98
91) 1,2-Dichlorobenzene	13.986	146	515197	46.743	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	72145	49.588	ug/l	98
93) 1,2,4-Trichlorobenzene	15.263	180	237702	44.990	ug/l	97
94) Hexachlorobutadiene	15.368	225	138800	42.698	ug/l	99
95) Naphthalene	15.504	128	695885	46.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	243327	47.441	ug/l	99

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

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