

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031022\
 Data File : VN071238.D
 Acq On : 10 Mar 2022 18:34
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/11/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 11 02:13:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	679758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1126633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1013152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	422845	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	429170	46.066	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.140%
35) Dibromofluoromethane	8.016	113	330570	46.497	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.000%
50) Toluene-d8	10.439	98	1317013	46.010	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	92.020%
62) 4-Bromofluorobenzene	12.727	95	454424	46.881	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.760%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	297108	39.880	ug/l	99
3) Chloromethane	2.299	50	436684	43.657	ug/l	100
4) Vinyl Chloride	2.440	62	386957	42.383	ug/l	97
5) Bromomethane	2.828	94	204832	50.275	ug/l	95
6) Chloroethane	2.999	64	239438	43.305	ug/l	96
7) Trichlorofluoromethane	3.363	101	500020	41.610	ug/l	99
8) Diethyl Ether	3.822	74	221482	43.070	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.204	101	288704	41.501	ug/l	95
10) Methyl Iodide	4.416	142	391680	39.863	ug/l	99
11) Tert butyl alcohol	5.357	59	419547	229.240	ug/l	98
12) 1,1-Dichloroethene	4.181	96	290656	42.651	ug/l	96
13) Acrolein	4.034	56	368413	190.185	ug/l	100
14) Allyl chloride	4.840	41	643041	43.384	ug/l	86
15) Acrylonitrile	5.545	53	1195045	219.907	ug/l	99
16) Acetone	4.275	43	1006311	221.995	ug/l	99
17) Carbon Disulfide	4.528	76	776832	40.040	ug/l	97
18) Methyl Acetate	4.846	43	594296	48.827	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1142711	44.661	ug/l	95
20) Methylene Chloride	5.093	84	356593	43.095	ug/l	89
21) trans-1,2-Dichloroethene	5.593	96	313868	42.107	ug/l	89
22) Diisopropyl ether	6.492	45	1289736	44.168	ug/l	91
23) Vinyl Acetate	6.428	43	5631318	227.796	ug/l	99
24) 1,1-Dichloroethane	6.381	63	665193	43.110	ug/l	100
25) 2-Butanone	7.328	43	1661189	227.492	ug/l	94
26) 2,2-Dichloropropane	7.322	77	515468	43.302	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	379966	42.949	ug/l	90
28) Bromochloromethane	7.657	49	271577	39.523	ug/l	83
29) Tetrahydrofuran	7.681	42	1120272	221.451	ug/l	92
30) Chloroform	7.816	83	637858	43.342	ug/l	99
31) Cyclohexane	8.092	56	613243	41.220	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	558011	44.513	ug/l	99
36) 1,1-Dichloropropene	8.216	75	476369	41.820	ug/l	97
37) Ethyl Acetate	7.404	43	661784	42.215	ug/l	97
38) Carbon Tetrachloride	8.204	117	470027	42.660	ug/l	99
39) Methylcyclohexane	9.457	83	574729	42.889	ug/l	93
40) Benzene	8.457	78	1460237	42.548	ug/l	97

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41) Methacrylonitrile	7.634	41	320037	41.716	ug/l	92
42) 1,2-Dichloroethane	8.528	62	527165	44.141	ug/l	100
43) Isopropyl Acetate	8.557	43	1229163	52.432	ug/l #	90
44) Trichloroethene	9.216	130	349638	43.177	ug/l	99
45) 1,2-Dichloropropane	9.486	63	394314	42.800	ug/l	99
46) Dibromomethane	9.575	93	248137	43.760	ug/l	96
47) Bromodichloromethane	9.757	83	501160	43.733	ug/l	99
48) Methyl methacrylate	9.557	41	492502	45.333	ug/l #	83
49) 1,4-Dioxane	9.563	88	172461	913.270	ug/l	90
51) 4-Methyl-2-Pentanone	10.328	43	3291841	226.261	ug/l	99
52) Toluene	10.504	92	915828	43.336	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	567208	44.902	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	617722	44.754	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	360014	42.513	ug/l	98
56) Ethyl methacrylate	10.757	69	639122	46.214	ug/l	92
57) 1,3-Dichloropropane	11.039	76	649537	42.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	1046200	347.806	ug/l	94
59) 2-Hexanone	11.080	43	2435064	245.301	ug/l	99
60) Dibromochloromethane	11.233	129	380362	45.205	ug/l	100
61) 1,2-Dibromoethane	11.339	107	373335	43.135	ug/l	100
64) Tetrachloroethene	10.975	164	295398	41.805	ug/l	96
65) Chlorobenzene	11.769	112	949830	43.654	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	356006	44.623	ug/l	100
67) Ethyl Benzene	11.839	91	1762237	45.807	ug/l	97
68) m/p-Xylenes	11.951	106	1320404	93.821	ug/l	98
69) o-Xylene	12.274	106	664164	47.079	ug/l	98
70) Styrene	12.292	104	1080576	49.483	ug/l	97
71) Bromoform	12.457	173	293386	48.424	ug/l #	100
73) Isopropylbenzene	12.574	105	1707502	41.890	ug/l	99
74) N-amyl acetate	12.380	43	733004	47.827	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.822	83	585853	48.278	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	592398m	58.271	ug/l	
77) Bromobenzene	12.857	156	397743	41.846	ug/l	80
78) n-propylbenzene	12.916	91	1906379	43.584	ug/l	97
79) 2-Chlorotoluene	13.004	91	1222405	43.536	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1391351	43.874	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	190592	48.725	ug/l	90
82) 4-Chlorotoluene	13.098	91	1140704	45.610	ug/l	94
83) tert-Butylbenzene	13.316	119	1242625	43.907	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1358367	44.719	ug/l	100
85) sec-Butylbenzene	13.498	105	1680081	44.663	ug/l	99
86) p-Isopropyltoluene	13.610	119	1368617	46.263	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	672820	43.565	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	650268	43.074	ug/l	99
89) n-Butylbenzene	13.939	91	1064417	46.002	ug/l	96
90) Hexachloroethane	14.204	117	247376	42.049	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	655144	44.124	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	112657	47.501	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	306877	44.626	ug/l	99
94) Hexachlorobutadiene	15.363	225	172846	41.467	ug/l	99
95) Naphthalene	15.498	128	1004315	51.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	317371	47.927	ug/l	99

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

