

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070887.D
 Acq On : 1 Feb 2022 21:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/02/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 02 00:40:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	746725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1230289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1144136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	481891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	489323	45.724	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.440%		
35) Dibromofluoromethane	8.021	113	374494	49.072	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.140%		
50) Toluene-d8	10.440	98	1511103	47.002	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.000%		
62) 4-Bromofluorobenzene	12.728	95	577850	50.439	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	336939	39.048	ug/l	100
3) Chloromethane	2.301	50	492218	39.025	ug/l	99
4) Vinyl Chloride	2.448	62	474568	39.560	ug/l	99
5) Bromomethane	2.834	94	270708	43.328	ug/l	99
6) Chloroethane	3.009	64	305902	40.862	ug/l	98
7) Trichlorofluoromethane	3.373	101	613950	44.800	ug/l	97
8) Diethyl Ether	3.821	74	278546	46.530	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.205	101	354450	42.795	ug/l	97
10) Methyl Iodide	4.419	142	515028	48.221	ug/l	97
11) Tert butyl alcohol	5.377	59	533634	276.389	ug/l	98
12) 1,1-Dichloroethene	4.181	96	360148	43.597	ug/l	96
13) Acrolein	4.039	56	962268	347.510	ug/l	100
14) Allyl chloride	4.838	41	859111	47.731	ug/l #	82
15) Acrylonitrile	5.551	53	1500984	244.378	ug/l	99
16) Acetone	4.285	43	1258490	169.430	ug/l	97
17) Carbon Disulfide	4.527	76	990978	44.170	ug/l	98
18) Methyl Acetate	4.854	43	702320	48.079	ug/l	94
19) Methyl tert-butyl Ether	5.616	73	1498091	50.764	ug/l	95
20) Methylene Chloride	5.093	84	441573	45.131	ug/l	91
21) trans-1,2-Dichloroethene	5.597	96	382662	46.025	ug/l	88
22) Diisopropyl ether	6.495	45	1705222	47.797	ug/l	91
23) Vinyl Acetate	6.431	43	7620423	251.981	ug/l	95
24) 1,1-Dichloroethane	6.388	63	836795	46.890	ug/l	98
25) 2-Butanone	7.335	43	2084642	223.035	ug/l	93
26) 2,2-Dichloropropane	7.324	77	640454	46.809	ug/l	98
27) cis-1,2-Dichloroethene	7.324	96	469930	47.580	ug/l	88
28) Bromochloromethane	7.657	49	361197	45.080	ug/l #	79
29) Tetrahydrofuran	7.683	42	1391308	243.106	ug/l	89
30) Chloroform	7.817	83	794372	45.539	ug/l	98
31) Cyclohexane	8.094	56	782373	41.517	ug/l	89
32) 1,1,1-Trichloroethane	8.013	97	673030	48.588	ug/l	98
36) 1,1-Dichloropropene	8.220	75	587502	45.729	ug/l	97
37) Ethyl Acetate	7.412	43	816072	47.845	ug/l	99
38) Carbon Tetrachloride	8.204	117	552571	48.347	ug/l	99
39) Methylcyclohexane	9.459	83	716654	45.184	ug/l	89
40) Benzene	8.458	78	1870797	46.995	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	436089	50.255	ug/l #	85
42) 1,2-Dichloroethane	8.528	62	630308	45.664	ug/l	99
43) Isopropyl Acetate	8.560	43	1389882	53.350	ug/l #	94
44) Trichloroethene	9.215	130	430524	47.705	ug/l	93
45) 1,2-Dichloropropane	9.488	63	518079	47.833	ug/l	99
46) Dibromomethane	9.574	93	303599	48.207	ug/l	98
47) Bromodichloromethane	9.759	83	632565	49.137	ug/l	100
48) Methyl methacrylate	9.558	41	606876	48.897	ug/l #	82
49) 1,4-Dioxane	9.569	88	192372	1031.879	ug/l #	82
51) 4-Methyl-2-Pentanone	10.328	43	4198646	252.569	ug/l	100
52) Toluene	10.505	92	1186263	49.817	ug/l	96
53) t-1,3-Dichloropropene	10.717	75	729132	46.863	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	784243	50.797	ug/l	97
55) 1,1,2-Trichloroethane	10.896	97	453369	48.465	ug/l	98
56) Ethyl methacrylate	10.760	69	831808	46.903	ug/l	89
57) 1,3-Dichloropropane	11.044	76	798489	48.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1400209	305.124	ug/l	91
59) 2-Hexanone	11.084	43	3102961	256.944	ug/l	98
60) Dibromochloromethane	11.237	129	463074	53.070	ug/l	99
61) 1,2-Dibromoethane	11.344	107	465103	49.520	ug/l	100
64) Tetrachloroethene	10.974	164	368475	43.924	ug/l	98
65) Chlorobenzene	11.768	112	1182519	47.703	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	433405	50.772	ug/l	99
67) Ethyl Benzene	11.843	91	2235602	48.643	ug/l	96
68) m/p-Xylenes	11.950	106	1657511	99.137	ug/l	93
69) o-Xylene	12.278	106	827321	49.862	ug/l	92
70) Styrene	12.294	104	1390423	52.382	ug/l	96
71) Bromoform	12.455	173	378173	58.649	ug/l #	100
73) Isopropylbenzene	12.578	105	2160597	47.393	ug/l	98
74) N-amyl acetate	12.385	43	1052003	56.438	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	730739	47.461	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	688149m	53.842	ug/l	
77) Bromobenzene	12.860	156	505117	49.417	ug/l	78
78) n-propylbenzene	12.919	91	2480016	48.642	ug/l	96
79) 2-Chlorotoluene	13.004	91	1526069	47.317	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	1780863	48.305	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	244199	56.921	ug/l	86
82) 4-Chlorotoluene	13.104	91	1483644	49.236	ug/l	92
83) tert-Butylbenzene	13.321	119	1542657	48.070	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	1742452	49.170	ug/l	97
85) sec-Butylbenzene	13.498	105	2117648	48.537	ug/l	97
86) p-Isopropyltoluene	13.613	119	1708502	49.850	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	828642	48.734	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	809715	47.852	ug/l	97
89) n-Butylbenzene	13.940	91	1473746	52.123	ug/l	97
90) Hexachloroethane	14.209	117	289690	48.354	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	784690	46.710	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.600	75	138527	53.041	ug/l	86
93) 1,2,4-Trichlorobenzene	15.260	180	462838	51.851	ug/l	99
94) Hexachlorobutadiene	15.367	225	294609	59.213	ug/l	98
95) Naphthalene	15.501	128	1308822	52.142	ug/l	99
96) 1,2,3-Trichlorobenzene	15.697	180	441583	51.767	ug/l	99

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

