

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122121\
 Data File : VN070257.D
 Acq On : 21 Dec 2021 10:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2021
 Supervised By : Semsettin Yesilyurt 12/23/2021

Quant Time: Dec 21 15:22:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	998800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1613571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1498737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	665464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	816454	52.943	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.880%			
35) Dibromofluoromethane	8.019	113	572268	56.621	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.240%			
50) Toluene-d8	10.440	98	2197425	54.146	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.728	95	878934	59.782	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 119.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	495972	42.575	ug/l	98
3) Chloromethane	2.303	50	594240	40.716	ug/l	98
4) Vinyl Chloride	2.448	62	574802	42.832	ug/l	97
5) Bromomethane	2.842	94	320434	43.951	ug/l	100
6) Chloroethane	3.017	64	352989	42.924	ug/l	99
7) Trichlorofluoromethane	3.376	101	801149	45.487	ug/l	97
8) Diethyl Ether	3.821	74	356472	52.550	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.207	101	513603	52.021	ug/l	96
10) Methyl Iodide	4.419	142	643315	47.696	ug/l	98
11) Tert butyl alcohol	5.374	59	572288	196.323	ug/l	100
12) 1,1-Dichloroethene	4.181	96	465574	48.936	ug/l	88
13) Acrolein	4.036	56	701937	282.764	ug/l	98
14) Allyl chloride	4.838	41	1088575	50.777	ug/l	92
15) Acrylonitrile	5.548	53	1786090	227.383	ug/l	99
16) Acetone	4.283	43	2142257	230.928	ug/l	97
17) Carbon Disulfide	4.527	76	981538	39.933	ug/l	100
18) Methyl Acetate	4.851	43	1235600	44.127	ug/l	92
19) Methyl tert-butyl Ether	5.615	73	1993849	53.898	ug/l	95
20) Methylene Chloride	5.093	84	589361	47.790	ug/l	87
21) trans-1,2-Dichloroethene	5.594	96	490287	47.446	ug/l #	84
22) Diisopropyl ether	6.495	45	2311423	55.162	ug/l	93
23) Vinyl Acetate	6.431	43	8936445	262.140	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1137601	52.409	ug/l	98
25) 2-Butanone	7.332	43	2791034	221.434	ug/l	92
26) 2,2-Dichloropropane	7.324	77	952922	56.464	ug/l	95
27) cis-1,2-Dichloroethene	7.324	96	637466	51.059	ug/l	86
28) Bromochloromethane	7.656	49	512875	45.438	ug/l #	78
29) Tetrahydrofuran	7.681	42	1657565	216.571	ug/l	88
30) Chloroform	7.815	83	1142356	52.111	ug/l	99
31) Cyclohexane	8.094	56	971461	45.266	ug/l	89
32) 1,1,1-Trichloroethane	8.011	97	954036	51.092	ug/l	96
36) 1,1-Dichloropropene	8.220	75	795455	51.785	ug/l	96
37) Ethyl Acetate	7.410	43	1029301	45.021	ug/l	96
38) Carbon Tetrachloride	8.204	117	768944	51.048	ug/l	98
39) Methylcyclohexane	9.459	83	927215	50.747	ug/l	89
40) Benzene	8.458	78	2408387	51.295	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	545587	50.836	ug/l	89
42) 1,2-Dichloroethane	8.528	62	985743	52.009	ug/l	97
43) Isopropyl Acetate	8.558	43	1721607	50.886	ug/l #	94
44) Trichloroethene	9.215	130	585327	52.232	ug/l	90
45) 1,2-Dichloropropane	9.488	63	683791	54.234	ug/l	100
46) Dibromomethane	9.574	93	425084	51.408	ug/l	94
47) Bromodichloromethane	9.759	83	882532	56.370	ug/l	99
48) Methyl methacrylate	9.558	41	789409	49.998	ug/l	88
49) 1,4-Dioxane	9.566	88	235413	830.963	ug/l #	83
51) 4-Methyl-2-Pentanone	10.328	43	5444476	248.060	ug/l	96
52) Toluene	10.502	92	1501965	52.397	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	968916	51.367	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	1034919	52.267	ug/l	90
55) 1,1,2-Trichloroethane	10.896	97	625439	54.077	ug/l	97
56) Ethyl methacrylate	10.760	69	1061529	48.705	ug/l #	89
57) 1,3-Dichloropropane	11.041	76	1103803	54.202	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1399750	238.440	ug/l	91
59) 2-Hexanone	11.081	43	4023858	242.356	ug/l	93
60) Dibromochloromethane	11.237	129	628264	50.665	ug/l	99
61) 1,2-Dibromoethane	11.344	107	627035	52.343	ug/l	100
64) Tetrachloroethene	10.977	164	537284	52.870	ug/l	95
65) Chlorobenzene	11.768	112	1635041	53.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.838	131	596653	55.754	ug/l	100
67) Ethyl Benzene	11.843	91	3054399	55.303	ug/l	97
68) m/p-Xylenes	11.950	106	2237121	111.246	ug/l	91
69) o-Xylene	12.278	106	1133035	55.936	ug/l	91
70) Styrene	12.291	104	1876018	58.407	ug/l	95
71) Bromoform	12.457	173	457344	49.968	ug/l #	100
73) Isopropylbenzene	12.578	105	3026782	51.122	ug/l	98
74) N-amyl acetate	12.385	43	1307161	49.922	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.825	83	961704	46.972	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	990894m	51.923	ug/l	
77) Bromobenzene	12.860	156	694371	49.929	ug/l	78
78) n-propylbenzene	12.919	91	3500971	53.138	ug/l	97
79) 2-Chlorotoluene	13.004	91	2149813	51.640	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2495934	52.375	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	270362	46.662	ug/l	95
82) 4-Chlorotoluene	13.104	91	2113008	53.971	ug/l	92
83) tert-Butylbenzene	13.321	119	2199410	52.122	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2424866	53.429	ug/l	99
85) sec-Butylbenzene	13.501	105	3072554	53.681	ug/l	98
86) p-Isopropyltoluene	13.613	119	2471674	55.246	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	1201588	52.593	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1171474	52.176	ug/l	97
89) n-Butylbenzene	13.940	91	2070646	57.055	ug/l	97
90) Hexachloroethane	14.209	117	398201	50.695	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	1155367	51.901	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.600	75	169707	45.871	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	579328	52.885	ug/l	98
94) Hexachlorobutadiene	15.367	225	326065	55.268	ug/l	99
95) Naphthalene	15.504	128	1496624	46.337	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	545422	51.197	ug/l	99

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

