

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070506.D
 Acq On : 5 Jan 2022 22:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/06/2022
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 06 12:35:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	904937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1510400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1428562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	618453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	622327	47.830	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.660%		
35) Dibromofluoromethane	8.021	113	457356	50.046	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.100%		
50) Toluene-d8	10.440	98	1870949	50.116	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.240%		
62) 4-Bromofluorobenzene	12.728	95	703200	52.152	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	477024	46.482	ug/l	100
3) Chloromethane	2.303	50	683140	48.935	ug/l	98
4) Vinyl Chloride	2.448	62	623786	49.078	ug/l	98
5) Bromomethane	2.850	94	324721	49.499	ug/l	97
6) Chloroethane	3.019	64	374461	48.922	ug/l	97
7) Trichlorofluoromethane	3.379	101	726111	47.464	ug/l	98
8) Diethyl Ether	3.824	74	359865	53.361	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.210	101	481690	51.480	ug/l	95
10) Methyl Iodide	4.419	142	633795	50.051	ug/l	98
11) Tert butyl alcohol	5.377	59	541068	249.750	ug/l	98
12) 1,1-Dichloroethene	4.181	96	469984	50.994	ug/l	92
13) Acrolein	4.041	56	368373	209.562	ug/l	99
14) Allyl chloride	4.840	41	1098440	52.568	ug/l	85
15) Acrylonitrile	5.554	53	1963481	290.436	ug/l	99
16) Acetone	4.285	43	1697347	200.957	ug/l	97
17) Carbon Disulfide	4.529	76	1200028	47.701	ug/l	99
18) Methyl Acetate	4.854	43	1362647	55.772	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	1838892	53.727	ug/l	94
20) Methylene Chloride	5.095	84	598059	51.177	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	505432	51.795	ug/l	86
22) Diisopropyl ether	6.498	45	2289352	56.250	ug/l #	91
23) Vinyl Acetate	6.434	43	8792958	278.456	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	1112843	52.733	ug/l	97
25) 2-Butanone	7.335	43	2790076	262.349	ug/l	92
26) 2,2-Dichloropropane	7.327	77	742573	44.604	ug/l	99
27) cis-1,2-Dichloroethene	7.327	96	618482	53.117	ug/l	88
28) Bromochloromethane	7.657	49	542213	52.537	ug/l #	76
29) Tetrahydrofuran	7.683	42	1875405	295.563	ug/l #	86
30) Chloroform	7.817	83	1055774	51.858	ug/l	99
31) Cyclohexane	8.096	56	1051052	51.190	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	850369	49.538	ug/l	96
36) 1,1-Dichloropropene	8.220	75	782994	51.793	ug/l	96
37) Ethyl Acetate	7.412	43	1072794	54.746	ug/l	96
38) Carbon Tetrachloride	8.204	117	682251	47.261	ug/l	99
39) Methylcyclohexane	9.459	83	946521	51.716	ug/l	89
40) Benzene	8.458	78	2459551	53.067	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	574886	58.653	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	859343	49.328	ug/l	100
43) Isopropyl Acetate	8.560	43	1686485	54.587	ug/l #	95
44) Trichloroethene	9.215	130	562728	51.098	ug/l	92
45) 1,2-Dichloropropane	9.488	63	688966	55.210	ug/l	100
46) Dibromomethane	9.577	93	408655	52.664	ug/l	94
47) Bromodichloromethane	9.762	83	808245	52.457	ug/l	100
48) Methyl methacrylate	9.558	41	790119	53.616	ug/l #	85
49) 1,4-Dioxane	9.569	88	231799	1074.541	ug/l #	82
51) 4-Methyl-2-Pentanone	10.330	43	5711222	294.190	ug/l	97
52) Toluene	10.505	92	1523579	54.309	ug/l	97
53) t-1,3-Dichloropropene	10.717	75	875235	52.472	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	969972	53.757	ug/l	97
55) 1,1,2-Trichloroethane	10.896	97	604400	54.451	ug/l	99
56) Ethyl methacrylate	10.760	69	1048703	57.179	ug/l	88
57) 1,3-Dichloropropane	11.044	76	1077660	54.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1233833	262.382	ug/l	90
59) 2-Hexanone	11.084	43	4055892	286.491	ug/l	96
60) Dibromochloromethane	11.237	129	581126	53.659	ug/l	100
61) 1,2-Dibromoethane	11.344	107	606561	53.818	ug/l	99
64) Tetrachloroethene	10.977	164	507606	49.069	ug/l	96
65) Chlorobenzene	11.768	112	1573268	51.904	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	547353	50.583	ug/l	98
67) Ethyl Benzene	11.843	91	2964460	53.378	ug/l	96
68) m/p-Xylenes	11.950	106	2181674	107.920	ug/l	94
69) o-Xylene	12.280	106	1097769	54.594	ug/l	94
70) Styrene	12.294	104	1791781	56.301	ug/l	97
71) Bromoform	12.457	173	431210	53.694	ug/l #	99
73) Isopropylbenzene	12.578	105	2855475	49.719	ug/l	99
74) N-amyl acetate	12.388	43	1272165	52.681	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.825	83	975351	52.005	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	800604m	44.070	ug/l	
77) Bromobenzene	12.860	156	647730	49.124	ug/l	77
78) n-propylbenzene	12.919	91	3252979	51.120	ug/l	96
79) 2-Chlorotoluene	13.004	91	2012041	49.279	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2326757	50.556	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.624	75	258182	51.004	ug/l	98
82) 4-Chlorotoluene	13.104	91	1901945	49.730	ug/l	92
83) tert-Butylbenzene	13.321	119	2032554	50.155	ug/l	95
84) 1,2,4-Trimethylbenzene	13.366	105	2274556	51.324	ug/l	98
85) sec-Butylbenzene	13.501	105	2853038	51.854	ug/l	97
86) p-Isopropyltoluene	13.613	119	2248698	52.029	ug/l	98
87) 1,3-Dichlorobenzene	13.613	146	1104699	50.047	ug/l	98
88) 1,4-Dichlorobenzene	13.694	146	1063606	48.849	ug/l	98
89) n-Butylbenzene	13.940	91	1836090	50.932	ug/l	97
90) Hexachloroethane	14.209	117	373831	49.788	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	1066777	49.299	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	163747	49.217	ug/l	83
93) 1,2,4-Trichlorobenzene	15.263	180	521428	51.141	ug/l	99
94) Hexachlorobutadiene	15.367	225	303973	51.298	ug/l	99
95) Naphthalene	15.504	128	1456200	51.618	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	514915	52.752	ug/l	99

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

