

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070614.D
 Acq On : 14 Jan 2022 10:57
 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 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 14 13:35:26 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	8.083	168	804117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1270367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1200698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	540142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	549295	47.510	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.020%		
35) Dibromofluoromethane	8.019	113	403482	52.493	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.980%		
50) Toluene-d8	10.440	98	1600441	50.970	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.940%		
62) 4-Bromofluorobenzene	12.731	95	629670	55.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	111.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.070	85	390848	42.860	ug/l	98
3) Chloromethane	2.301	50	531883	42.877	ug/l	99
4) Vinyl Chloride	2.446	62	489942	43.380	ug/l	99
5) Bromomethane	2.832	94	275500	47.261	ug/l	96
6) Chloroethane	3.006	64	335031	49.258	ug/l	98
7) Trichlorofluoromethane	3.368	101	652407	47.993	ug/l	97
8) Diethyl Ether	3.819	74	297721	49.681	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.202	101	419612	50.468	ug/l	96
10) Methyl Iodide	4.417	142	518193	46.053	ug/l	99
11) Tert butyl alcohol	5.377	59	532590	276.659	ug/l	99
12) 1,1-Dichloroethene	4.175	96	384424	46.941	ug/l	92
13) Acrolein	4.036	56	364485	233.348	ug/l	99
14) Allyl chloride	4.832	41	945607	50.928	ug/l #	83
15) Acrylonitrile	5.551	53	1682538	280.084	ug/l	99
16) Acetone	4.283	43	1812500	241.495	ug/l	98
17) Carbon Disulfide	4.524	76	964569	43.148	ug/l	100
18) Methyl Acetate	4.854	43	1149512	52.947	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	1594072	52.413	ug/l	94
20) Methylene Chloride	5.090	84	494194	47.591	ug/l	86
21) trans-1,2-Dichloroethene	5.591	96	416758	48.063	ug/l	86
22) Diisopropyl ether	6.493	45	1926316	53.265	ug/l	91
23) Vinyl Acetate	6.431	43	7536644	268.595	ug/l	94
24) 1,1-Dichloroethane	6.383	63	937442	49.991	ug/l	99
25) 2-Butanone	7.332	43	2532713	268.009	ug/l	92
26) 2,2-Dichloropropane	7.321	77	733183	49.562	ug/l	98
27) cis-1,2-Dichloroethene	7.324	96	520704	50.327	ug/l	86
28) Bromochloromethane	7.654	49	470054	51.256	ug/l #	76
29) Tetrahydrofuran	7.683	42	1568709	278.225	ug/l	87
30) Chloroform	7.815	83	899047	49.697	ug/l	99
31) Cyclohexane	8.091	56	869920	47.681	ug/l	86
32) 1,1,1-Trichloroethane	8.011	97	734937	48.181	ug/l	96
36) 1,1-Dichloropropene	8.220	75	656737	51.649	ug/l	96
37) Ethyl Acetate	7.410	43	907005	55.031	ug/l	98
38) Carbon Tetrachloride	8.204	117	605886	49.901	ug/l	99
39) Methylcyclohexane	9.459	83	800743	52.017	ug/l	88
40) Benzene	8.458	78	2032896	52.149	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.632	41	469574	56.961	ug/l	88
42) 1,2-Dichloroethane	8.528	62	733881	50.086	ug/l	99
43) Isopropyl Acetate	8.560	43	1421240	54.694	ug/l #	96
44) Trichloroethene	9.215	130	465653	50.273	ug/l	90
45) 1,2-Dichloropropane	9.488	63	585239	55.759	ug/l	98
46) Dibromomethane	9.574	93	341956	52.395	ug/l	95
47) Bromodichloromethane	9.762	83	702825	54.234	ug/l	99
48) Methyl methacrylate	9.558	41	705631	56.930	ug/l #	77
49) 1,4-Dioxane	9.569	88	227094	1251.641	ug/l #	85
51) 4-Methyl-2-Pentanone	10.330	43	4813002	294.767	ug/l	98
52) Toluene	10.502	92	1262228	53.494	ug/l	97
53) t-1,3-Dichloropropene	10.717	75	781455	55.702	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	851156	56.085	ug/l	98
55) 1,1,2-Trichloroethane	10.896	97	512884	54.937	ug/l	98
56) Ethyl methacrylate	10.760	69	886464	57.466	ug/l	88
57) 1,3-Dichloropropane	11.044	76	908200	55.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1353361	336.549	ug/l	90
59) 2-Hexanone	11.084	43	3642495	305.905	ug/l	96
60) Dibromochloromethane	11.237	129	508130	55.784	ug/l	99
61) 1,2-Dibromoethane	11.344	107	515820	54.415	ug/l	97
64) Tetrachloroethene	10.977	164	421345	48.460	ug/l	95
65) Chlorobenzene	11.768	112	1326038	52.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	477941	52.550	ug/l	98
67) Ethyl Benzene	11.843	91	2497679	53.508	ug/l	96
68) m/p-Xylenes	11.950	106	1853415	109.081	ug/l	91
69) o-Xylene	12.280	106	917539	54.291	ug/l	91
70) Styrene	12.294	104	1561767	58.387	ug/l	96
71) Bromoform	12.457	173	388440	57.548	ug/l #	100
73) Isopropylbenzene	12.578	105	2450417	48.852	ug/l	98
74) N-amyl acetate	12.388	43	1092871	51.818	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	829094	50.458	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	693474m	43.730	ug/l	
77) Bromobenzene	12.860	156	562161	48.816	ug/l	76
78) n-propylbenzene	12.919	91	2905467	52.279	ug/l	96
79) 2-Chlorotoluene	13.007	91	1770024	49.637	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2058715	51.217	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	250591	56.682	ug/l	93
82) 4-Chlorotoluene	13.104	91	1719847	51.488	ug/l	92
83) tert-Butylbenzene	13.324	119	1773317	50.102	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	2006594	51.842	ug/l	97
85) sec-Butylbenzene	13.501	105	2552002	53.108	ug/l	97
86) p-Isopropyltoluene	13.616	119	2029240	53.758	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	984185	51.052	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	952539	50.090	ug/l	97
89) n-Butylbenzene	13.943	91	1733639	55.062	ug/l	97
90) Hexachloroethane	14.211	117	347830	53.042	ug/l	92
91) 1,2-Dichlorobenzene	13.989	146	935912	49.522	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	147336	50.705	ug/l	81
93) 1,2,4-Trichlorobenzene	15.265	180	491906	55.240	ug/l	98
94) Hexachlorobutadiene	15.370	225	305170	58.966	ug/l	100
95) Naphthalene	15.507	128	1250435	50.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	473282	55.473	ug/l	98

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

