

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070204.D
 Acq On : 18 Dec 2021 9:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 19 07:26:45 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	8.086	168	977505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1654364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1551897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	662540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	687445	45.548	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.100%		
35) Dibromofluoromethane	8.021	113	478318	46.158	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.320%		
50) Toluene-d8	10.440	98	1865955	44.845	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.680%		
62) 4-Bromofluorobenzene	12.731	95	711006	47.167	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	411541	36.097	ug/l	100
3) Chloromethane	2.303	50	540564	37.845	ug/l	100
4) Vinyl Chloride	2.446	62	514674	39.187	ug/l	98
5) Bromomethane	2.840	94	255981	35.875	ug/l	96
6) Chloroethane	3.011	64	317730	39.479	ug/l	99
7) Trichlorofluoromethane	3.373	101	668342	38.773	ug/l	100
8) Diethyl Ether	3.821	74	308198	46.423	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	413744	42.820	ug/l	96
10) Methyl Iodide	4.417	142	508124	38.494	ug/l	99
11) Tert butyl alcohol	5.382	59	597909	209.580	ug/l #	85
12) 1,1-Dichloroethene	4.178	96	398080	42.753	ug/l	89
13) Acrolein	4.039	56	529062	217.767	ug/l	98
14) Allyl chloride	4.838	41	919553	43.827	ug/l #	89
15) Acrylonitrile	5.554	53	1760192	228.968	ug/l	100
16) Acetone	4.288	43	1626731	179.176	ug/l	97
17) Carbon Disulfide	4.524	76	876710	36.446	ug/l	100
18) Methyl Acetate	4.854	43	1209982	44.153	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	1704802	47.089	ug/l	96
20) Methylene Chloride	5.090	84	514790	42.653	ug/l #	85
21) trans-1,2-Dichloroethene	5.594	96	423179	41.844	ug/l	85
22) Diisopropyl ether	6.498	45	2021350	49.290	ug/l	93
23) Vinyl Acetate	6.434	43	7817098	234.301	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	988262	46.521	ug/l	98
25) 2-Butanone	7.335	43	2562681	207.746	ug/l	91
26) 2,2-Dichloropropane	7.324	77	513428	31.085	ug/l	98
27) cis-1,2-Dichloroethene	7.327	96	537896	44.022	ug/l	88
28) Bromochloromethane	7.657	49	512086	46.356	ug/l #	77
29) Tetrahydrofuran	7.686	42	1683462	224.746	ug/l	87
30) Chloroform	7.817	83	984137	45.871	ug/l	100
31) Cyclohexane	8.094	56	850633	40.499	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	805763	44.091	ug/l	96
36) 1,1-Dichloropropene	8.222	75	673497	42.764	ug/l	96
37) Ethyl Acetate	7.415	43	1017892	43.425	ug/l	95
38) Carbon Tetrachloride	8.206	117	643261	41.652	ug/l	98
39) Methylcyclohexane	9.459	83	751504	40.116	ug/l	89
40) Benzene	8.458	78	2113952	43.914	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	542516	49.303	ug/l #	86
42) 1,2-Dichloroethane	8.528	62	844863	43.477	ug/l	97
43) Isopropyl Acetate	8.560	43	1559247	44.951	ug/l #	93
44) Trichloroethene	9.215	130	486832	42.371	ug/l	90
45) 1,2-Dichloropropane	9.488	63	596769	46.165	ug/l	99
46) Dibromomethane	9.577	93	370422	43.692	ug/l	93
47) Bromodichloromethane	9.762	83	750415	46.750	ug/l	99
48) Methyl methacrylate	9.561	41	734256	45.358	ug/l	86
49) 1,4-Dioxane	9.569	88	247346	851.556	ug/l #	82
51) 4-Methyl-2-Pentanone	10.331	43	5262974	233.878	ug/l	95
52) Toluene	10.505	92	1294233	44.037	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	746642	39.301	ug/l	100
54) cis-1,3-Dichloropropene	10.188	75	817983	40.750	ug/l	91
55) 1,1,2-Trichloroethane	10.899	97	541490	45.664	ug/l	98
56) Ethyl methacrylate	10.760	69	925697	41.766	ug/l #	88
57) 1,3-Dichloropropane	11.044	76	961724	46.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1372749	228.874	ug/l	90
59) 2-Hexanone	11.084	43	3791648	222.739	ug/l	93
60) Dibromochloromethane	11.237	129	522702	41.561	ug/l	100
61) 1,2-Dibromoethane	11.347	107	542994	44.210	ug/l	99
64) Tetrachloroethene	10.977	164	455852	43.320	ug/l	96
65) Chlorobenzene	11.771	112	1371322	43.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	502416	45.340	ug/l	99
67) Ethyl Benzene	11.843	91	2592143	45.326	ug/l	95
68) m/p-Xylenes	11.953	106	1879582	90.265	ug/l	92
69) o-Xylene	12.280	106	950307	45.308	ug/l	91
70) Styrene	12.294	104	1562729	46.987	ug/l	95
71) Bromoform	12.457	173	381090	40.744	ug/l #	99
73) Isopropylbenzene	12.578	105	2510562	42.590	ug/l	98
74) N-amyl acetate	12.388	43	1164898	44.685	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	878456	43.095	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	756542m	39.818	ug/l	
77) Bromobenzene	12.860	156	577314	41.695	ug/l	76
78) n-propylbenzene	12.919	91	2823484	43.044	ug/l	95
79) 2-Chlorotoluene	13.007	91	1782352	43.002	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	2043080	43.061	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	202549	36.117	ug/l	93
82) 4-Chlorotoluene	13.104	91	1691865	43.404	ug/l	92
83) tert-Butylbenzene	13.324	119	1793021	42.679	ug/l	92
84) 1,2,4-Trimethylbenzene	13.367	105	2001370	44.292	ug/l	97
85) sec-Butylbenzene	13.501	105	2480668	43.532	ug/l	97
86) p-Isopropyltoluene	13.616	119	1941577	43.589	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	968929	42.597	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	930774	41.638	ug/l	97
89) n-Butylbenzene	13.943	91	1545447	42.771	ug/l	97
90) Hexachloroethane	14.211	117	330031	42.201	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	955845	43.128	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	156183	42.402	ug/l	79
93) 1,2,4-Trichlorobenzene	15.263	180	434412	40.541	ug/l	98
94) Hexachlorobutadiene	15.370	225	244631	41.648	ug/l	98
95) Naphthalene	15.504	128	1271803	40.134	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	444179	42.321	ug/l	99

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

