

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110921\
 Data File : VN069430.D
 Acq On : 9 Nov 2021 20:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/17/2021

Quant Time: Nov 10 16:20:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1029249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1800587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1727769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	749777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	755499	50.625	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.240%			
35) Dibromofluoromethane	8.024	113	532263	49.287	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.580%			
50) Toluene-d8	10.443	98	2144386	50.488	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.733	95	784881	50.303	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	554114	50.392	ug/l	98
3) Chloromethane	2.303	50	608676	47.731	ug/l	99
4) Vinyl Chloride	2.443	62	648764	50.809	ug/l	98
5) Bromomethane	2.834	94	394097	47.524	ug/l	99
6) Chloroethane	3.009	64	424591	49.264	ug/l	97
7) Trichlorofluoromethane	3.368	101	973242	49.317	ug/l	98
8) Diethyl Ether	3.818	74	335679	52.575	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.202	101	440112	47.345	ug/l	93
10) Methyl Iodide	4.417	142	580506	50.914	ug/l	97
11) Tert butyl alcohol	5.393	59	716056	266.275	ug/l	100
12) 1,1-Dichloroethene	4.173	96	413362	49.552	ug/l	90
13) Acrolein	4.041	56	96095	252.408	ug/l	97
14) Allyl chloride	4.835	41	925802	50.197	ug/l	95
15) Acrylonitrile	5.559	53	1859565	270.031	ug/l	98
16) Acetone	4.290	43	1789780	222.280	ug/l	97
17) Carbon Disulfide	4.521	76	937649	47.551	ug/l	98
18) Methyl Acetate	4.859	43	1353554	51.713	ug/l	93
19) Methyl tert-butyl Ether	5.621	73	1820271	51.560	ug/l	97
20) Methylene Chloride	5.092	84	538501	47.163	ug/l	87
21) trans-1,2-Dichloroethene	5.599	96	457413	49.092	ug/l	91
22) Diisopropyl ether	6.500	45	2053181	51.679	ug/l	95
23) Vinyl Acetate	6.436	43	7205724	234.499	ug/l	96
24) 1,1-Dichloroethane	6.388	63	998097	49.323	ug/l	98
25) 2-Butanone	7.340	43	2886843	264.777	ug/l	93
26) 2,2-Dichloropropane	7.326	77	756305	47.769	ug/l	97
27) cis-1,2-Dichloroethene	7.326	96	582926	50.468	ug/l	89
28) Bromochloromethane	7.659	49	562384	54.269	ug/l #	81
29) Tetrahydrofuran	7.689	42	1925063	287.715	ug/l	90
30) Chloroform	7.820	83	1078770	52.000	ug/l	98
31) Cyclohexane	8.096	56	953609	46.772	ug/l	90
32) 1,1,1-Trichloroethane	8.016	97	912873	52.717	ug/l	97
36) 1,1-Dichloropropene	8.222	75	749140	49.446	ug/l	97
37) Ethyl Acetate	7.418	43	1090425	53.242	ug/l	97
38) Carbon Tetrachloride	8.206	117	739697	50.570	ug/l	98
39) Methylcyclohexane	9.461	83	920966	48.865	ug/l	92
40) Benzene	8.461	78	2341093	50.060	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	576804	54.505	ug/l #	88
42) 1,2-Dichloroethane	8.531	62	910600	49.729	ug/l	97
43) Isopropyl Acetate	8.563	43	1765077	53.656	ug/l	94
44) Trichloroethene	9.217	130	554741	49.565	ug/l	93
45) 1,2-Dichloropropane	9.491	63	639472	51.181	ug/l	99
46) Dibromomethane	9.579	93	424457	50.719	ug/l	93
47) Bromodichloromethane	9.764	83	817070	52.320	ug/l	98
48) Methyl methacrylate	9.561	41	793889	51.295	ug/l	94
49) 1,4-Dioxane	9.571	88	309543	1008.848	ug/l	89
51) 4-Methyl-2-Pentanone	10.333	43	6008338	282.963	ug/l	96
52) Toluene	10.507	92	1500015	51.487	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	867623	45.440	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	936899	46.432	ug/l	91
55) 1,1,2-Trichloroethane	10.899	97	618629	52.676	ug/l	97
56) Ethyl methacrylate	10.762	69	1064084	48.157	ug/l	88
57) 1,3-Dichloropropane	11.046	76	1062864	51.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	1292278	229.169	ug/l	93
59) 2-Hexanone	11.087	43	4459134	248.759	ug/l	94
60) Dibromochloromethane	11.239	129	599114	46.649	ug/l	99
61) 1,2-Dibromoethane	11.347	107	640411	48.879	ug/l	99
64) Tetrachloroethene	10.979	164	498304	47.765	ug/l	94
65) Chlorobenzene	11.771	112	1605359	49.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	586740	52.600	ug/l	100
67) Ethyl Benzene	11.846	91	2985516	50.335	ug/l	97
68) m/p-Xylenes	11.956	106	2207215	101.181	ug/l	95
69) o-Xylene	12.283	106	1118778	51.444	ug/l	96
70) Styrene	12.296	104	1835107	47.089	ug/l	97
71) Bromoform	12.460	173	439280	45.672	ug/l #	99
73) Isopropylbenzene	12.580	105	2937515	49.206	ug/l	99
74) N-amyl acetate	12.390	43	1375194	54.356	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.830	83	1021236	50.721	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	918083m	53.059	ug/l	
77) Bromobenzene	12.862	156	683150	50.037	ug/l	82
78) n-propylbenzene	12.921	91	3334680	49.643	ug/l	96
79) 2-Chlorotoluene	13.010	91	2028047	48.761	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	2388936	49.500	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	267581	46.491	ug/l	95
82) 4-Chlorotoluene	13.106	91	1947920	49.130	ug/l	93
83) tert-Butylbenzene	13.326	119	2122937	50.197	ug/l	94
84) 1,2,4-Trimethylbenzene	13.369	105	2343364	50.297	ug/l	98
85) sec-Butylbenzene	13.503	105	2976332	50.380	ug/l	97
86) p-Isopropyltoluene	13.616	119	2360362	50.329	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1170485	49.449	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	1129473	48.639	ug/l	97
89) n-Butylbenzene	13.943	91	1959063	50.092	ug/l	98
90) Hexachloroethane	14.214	117	406308	47.257	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	1150506	51.079	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	185022	49.447	ug/l	85
93) 1,2,4-Trichlorobenzene	15.265	180	544915	46.410	ug/l	98
94) Hexachlorobutadiene	15.370	225	300819	51.400	ug/l	98
95) Naphthalene	15.507	128	1646402	49.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	542097	48.160	ug/l	99

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

