

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120121\
 Data File : VN069698.D
 Acq On : 1 Dec 2021 18:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2021
 Supervised By : Mahesh Dadoda 12/03/2021

Quant Time: Dec 02 07:27:02 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	8.086	168	1070817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1777302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1699225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	730245	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	795971	51.266	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.540%	
35) Dibromofluoromethane	8.021	113	562362	52.757	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.520%	
50) Toluene-d8	10.440	98	2135181	50.930	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	12.731	95	839428	54.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 109.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	465431	40.684	ug/l	100
3) Chloromethane	2.303	50	531155	40.035	ug/l	98
4) Vinyl Chloride	2.445	62	537320	40.448	ug/l	98
5) Bromomethane	2.834	94	337485	39.117	ug/l	100
6) Chloroethane	3.011	64	357664	39.888	ug/l	99
7) Trichlorofluoromethane	3.371	101	816954	39.791	ug/l	98
8) Diethyl Ether	3.821	74	338629	50.978	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.205	101	477420	49.364	ug/l	97
10) Methyl Iodide	4.417	142	570944	48.132	ug/l	96
11) Tert butyl alcohol	5.380	59	735974	263.057	ug/l #	85
12) 1,1-Dichloroethene	4.178	96	421516	48.568	ug/l	91
13) Acrolein	4.039	56	97462	245.890	ug/l	92
14) Allyl chloride	4.838	41	1032980	53.834	ug/l	92
15) Acrylonitrile	5.551	53	2064354	288.132	ug/l	99
16) Acetone	4.285	43	2137581	255.170	ug/l	97
17) Carbon Disulfide	4.527	76	717155	34.957	ug/l	100
18) Methyl Acetate	4.854	43	1485989	54.569	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	2070022	56.358	ug/l	96
20) Methylene Chloride	5.093	84	577313	48.600	ug/l #	86
21) trans-1,2-Dichloroethene	5.594	96	461312	47.588	ug/l	88
22) Diisopropyl ether	6.495	45	2336845	56.536	ug/l	93
23) Vinyl Acetate	6.434	43	9121680	285.328	ug/l	95
24) 1,1-Dichloroethane	6.388	63	1114521	52.938	ug/l	98
25) 2-Butanone	7.335	43	3172557	279.686	ug/l	92
26) 2,2-Dichloropropane	7.324	77	883045	53.608	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	627809	52.244	ug/l	86
28) Bromochloromethane	7.659	49	580907	53.880	ug/l #	80
29) Tetrahydrofuran	7.683	42	1981843	284.703	ug/l	89
30) Chloroform	7.817	83	1169452	54.183	ug/l	100
31) Cyclohexane	8.094	56	896969	42.286	ug/l	90
32) 1,1,1-Trichloroethane	8.013	97	972713	53.992	ug/l	96
36) 1,1-Dichloropropene	8.220	75	739241	49.432	ug/l	97
37) Ethyl Acetate	7.412	43	1201864	59.452	ug/l	96
38) Carbon Tetrachloride	8.206	117	779232	53.970	ug/l	99
39) Methylcyclohexane	9.459	83	839997	45.152	ug/l	91
40) Benzene	8.458	78	2364211	51.217	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	616448	59.015	ug/l	90
42) 1,2-Dichloroethane	8.528	62	998048	55.218	ug/l	97
43) Isopropyl Acetate	8.560	43	1914578	58.963	ug/l #	94
44) Trichloroethene	9.215	130	564546	51.102	ug/l	95
45) 1,2-Dichloropropane	9.488	63	690899	56.021	ug/l	100
46) Dibromomethane	9.577	93	442775	53.601	ug/l	93
47) Bromodichloromethane	9.762	83	897257	58.208	ug/l	100
48) Methyl methacrylate	9.558	41	870916	57.009	ug/l	90
49) 1,4-Dioxane	9.569	88	294023	972.293	ug/l #	87
51) 4-Methyl-2-Pentanone	10.330	43	6418478	306.238	ug/l	96
52) Toluene	10.505	92	1498688	52.115	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	959869	50.611	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1015126	50.799	ug/l	90
55) 1,1,2-Trichloroethane	10.896	97	670974	57.881	ug/l	98
56) Ethyl methacrylate	10.760	69	1145635	52.341	ug/l	88
57) 1,3-Dichloropropane	11.044	76	1141444	56.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1431965	254.476	ug/l	92
59) 2-Hexanone	11.084	43	4656978	262.739	ug/l	93
60) Dibromochloromethane	11.237	129	663144	52.018	ug/l	99
61) 1,2-Dibromoethane	11.347	107	663347	51.240	ug/l	99
64) Tetrachloroethene	10.977	164	497835	48.521	ug/l	96
65) Chlorobenzene	11.771	112	1661404	52.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	637529	58.113	ug/l	99
67) Ethyl Benzene	11.843	91	3063235	52.513	ug/l	97
68) m/p-Xylenes	11.953	106	2234684	104.161	ug/l	92
69) o-Xylene	12.280	106	1144120	53.493	ug/l	93
70) Styrene	12.294	104	1885042	49.115	ug/l	96
71) Bromoform	12.457	173	496384	51.966	ug/l #	99
73) Isopropylbenzene	12.578	105	3072878	52.850	ug/l	98
74) N-amyl acetate	12.387	43	1442161	58.528	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	1094940	55.836	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	958369m	56.869	ug/l	
77) Bromobenzene	12.860	156	710451	53.428	ug/l	78
78) n-propylbenzene	12.919	91	3444753	52.653	ug/l	97
79) 2-Chlorotoluene	13.007	91	2140215	52.834	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	2517899	53.568	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	295258	51.903	ug/l	95
82) 4-Chlorotoluene	13.104	91	2044142	52.936	ug/l	93
83) tert-Butylbenzene	13.323	119	2240803	54.401	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	2477544	54.599	ug/l	98
85) sec-Butylbenzene	13.501	105	3099328	53.865	ug/l	98
86) p-Isopropyltoluene	13.616	119	2455610	53.760	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1199084	52.012	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1154431	51.044	ug/l	97
89) n-Butylbenzene	13.943	91	1969171	51.697	ug/l	97
90) Hexachloroethane	14.211	117	439382	52.232	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	1178553	53.724	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	199392	54.521	ug/l	80
93) 1,2,4-Trichlorobenzene	15.263	180	533282	46.619	ug/l	98
94) Hexachlorobutadiene	15.370	225	315054	55.272	ug/l	99
95) Naphthalene	15.507	128	1640418	50.550	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	522326	47.678	ug/l	98

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

