

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070060.D
 Acq On : 14 Dec 2021 4:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Amit Patel 12/15/2021

Quant Time: Dec 14 07:32:02 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	924844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1551621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1455359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	618592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	693015	48.532	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.060%		
35) Dibromofluoromethane	8.021	113	471097	48.472	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.940%		
50) Toluene-d8	10.440	98	1848629	47.370	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.740%		
62) 4-Bromofluorobenzene	12.731	95	684824	48.439	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	510808	47.354	ug/l	100
3) Chloromethane	2.303	50	621896	46.019	ug/l	99
4) Vinyl Chloride	2.448	62	579509	46.636	ug/l	99
5) Bromomethane	2.842	94	304921	45.167	ug/l	97
6) Chloroethane	3.014	64	343681	45.135	ug/l	96
7) Trichlorofluoromethane	3.373	101	758658	46.519	ug/l	99
8) Diethyl Ether	3.824	74	317436	50.537	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.208	101	456967	49.986	ug/l	96
10) Methyl Iodide	4.417	142	613952	49.159	ug/l	98
11) Tert butyl alcohol	5.380	59	550978	204.127	ug/l	99
12) 1,1-Dichloroethene	4.178	96	429430	48.746	ug/l	86
13) Acrolein	4.041	56	488061	212.330	ug/l	99
14) Allyl chloride	4.838	41	1026021	51.686	ug/l	91
15) Acrylonitrile	5.554	53	1781274	244.904	ug/l	99
16) Acetone	4.285	43	1624179	189.082	ug/l	96
17) Carbon Disulfide	4.527	76	1180146	51.853	ug/l	99
18) Methyl Acetate	4.857	43	1234347	47.607	ug/l	90
19) Methyl tert-butyl Ether	5.616	73	1722545	50.288	ug/l	96
20) Methylene Chloride	5.095	84	550207	48.183	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	462269	48.312	ug/l #	83
22) Diisopropyl ether	6.498	45	2070064	53.352	ug/l	94
23) Vinyl Acetate	6.434	43	8262044	261.738	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	1038099	51.650	ug/l	98
25) 2-Butanone	7.335	43	2560570	219.394	ug/l	91
26) 2,2-Dichloropropane	7.324	77	677738	43.369	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	572121	49.489	ug/l	86
28) Bromochloromethane	7.657	49	574162	54.935	ug/l #	76
29) Tetrahydrofuran	7.686	42	1678028	236.777	ug/l	87
30) Chloroform	7.817	83	1038284	51.151	ug/l	99
31) Cyclohexane	8.094	56	947815	47.695	ug/l	87
32) 1,1,1-Trichloroethane	8.016	97	884251	51.141	ug/l	95
36) 1,1-Dichloropropene	8.222	75	733861	49.683	ug/l	96
37) Ethyl Acetate	7.412	43	1020288	46.409	ug/l	94
38) Carbon Tetrachloride	8.206	117	756732	52.243	ug/l	99
39) Methylcyclohexane	9.459	83	838561	47.728	ug/l	88
40) Benzene	8.461	78	2239326	49.598	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	518498	50.241	ug/l #	89
42) 1,2-Dichloroethane	8.528	62	900540	49.410	ug/l	96
43) Isopropyl Acetate	8.560	43	1581436	48.609	ug/l #	93
44) Trichloroethene	9.215	130	519437	48.202	ug/l	90
45) 1,2-Dichloropropane	9.491	63	620984	51.219	ug/l	98
46) Dibromomethane	9.577	93	399264	50.213	ug/l	93
47) Bromodichloromethane	9.762	83	853153	56.670	ug/l	99
48) Methyl methacrylate	9.561	41	753115	49.603	ug/l	88
49) 1,4-Dioxane	9.569	88	217767	799.367	ug/l #	81
51) 4-Methyl-2-Pentanone	10.330	43	5321347	252.130	ug/l	95
52) Toluene	10.505	92	1383056	50.176	ug/l	97
53) t-1,3-Dichloropropene	10.719	75	848461	47.027	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	915008	48.217	ug/l #	90
55) 1,1,2-Trichloroethane	10.899	97	557667	50.143	ug/l	97
56) Ethyl methacrylate	10.760	69	955442	45.734	ug/l #	87
57) 1,3-Dichloropropane	11.044	76	990692	50.590	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1135217	203.979	ug/l	90
59) 2-Hexanone	11.084	43	3807264	238.466	ug/l	93
60) Dibromochloromethane	11.237	129	620750	51.993	ug/l	100
61) 1,2-Dibromoethane	11.344	107	573133	49.754	ug/l	100
64) Tetrachloroethene	10.977	164	457621	46.373	ug/l	96
65) Chlorobenzene	11.771	112	1457911	49.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	558709	53.764	ug/l	99
67) Ethyl Benzene	11.843	91	2733912	50.976	ug/l	96
68) m/p-Xylenes	11.953	106	1986207	101.713	ug/l	92
69) o-Xylene	12.280	106	987391	50.199	ug/l	90
70) Styrene	12.294	104	1647790	52.831	ug/l	95
71) Bromoform	12.457	173	474805	53.233	ug/l #	99
73) Isopropylbenzene	12.578	105	2625463	47.703	ug/l	99
74) N-amyl acetate	12.388	43	1193334	49.028	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	900393	47.309	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	816090m	46.003	ug/l	
77) Bromobenzene	12.860	156	613706	47.473	ug/l	77
78) n-propylbenzene	12.919	91	3007076	49.100	ug/l	96
79) 2-Chlorotoluene	13.007	91	1862040	48.116	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2133079	48.152	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.624	75	254701	47.235	ug/l	96
82) 4-Chlorotoluene	13.104	91	1774359	48.755	ug/l	92
83) tert-Butylbenzene	13.324	119	1870038	47.674	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	2108716	49.984	ug/l	97
85) sec-Butylbenzene	13.501	105	2631444	49.458	ug/l	97
86) p-Isopropyltoluene	13.616	119	2078335	49.974	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1028836	48.444	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	988791	47.376	ug/l	97
89) n-Butylbenzene	13.943	91	1688702	50.056	ug/l	97
90) Hexachloroethane	14.209	117	418034	57.252	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	998280	48.242	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	178116	51.792	ug/l	77
93) 1,2,4-Trichlorobenzene	15.263	180	477034	47.175	ug/l	98
94) Hexachlorobutadiene	15.367	225	265091	48.338	ug/l	98
95) Naphthalene	15.507	128	1379489	45.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	474155	48.038	ug/l	98

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

