

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071132.D
 Acq On : 01 Mar 2022 21:24
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 04:05:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	624474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1026583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	963212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	392405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	393039	55.098	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.200%			
35) Dibromofluoromethane	8.016	113	306278	50.159	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.320%			
50) Toluene-d8	10.439	98	1211660	49.412	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.727	95	423053	48.266	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	289524	44.638	ug/l	98
3) Chloromethane	2.299	50	406689	49.885	ug/l	98
4) Vinyl Chloride	2.446	62	376189	46.096	ug/l	99
5) Bromomethane	2.828	94	200835	43.320	ug/l	100
6) Chloroethane	3.004	64	237039	44.273	ug/l	96
7) Trichlorofluoromethane	3.369	101	517635	50.612	ug/l	99
8) Diethyl Ether	3.822	74	234823	52.816	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.210	101	302449	48.200	ug/l	94
10) Methyl Iodide	4.422	142	420133	48.344	ug/l	99
11) Tert butyl alcohol	5.363	59	438410	337.230	ug/l	99
12) 1,1-Dichloroethene	4.181	96	293381	47.988	ug/l	97
13) Acrolein	4.040	56	360967	310.729	ug/l	99
14) Allyl chloride	4.840	41	649013	55.663	ug/l #	86
15) Acrylonitrile	5.551	53	1242001	324.342	ug/l	98
16) Acetone	4.281	43	1008400	256.684	ug/l	95
17) Carbon Disulfide	4.534	76	691072	39.418	ug/l	99
18) Methyl Acetate	4.845	43	565897	65.979	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	1225878	57.162	ug/l	96
20) Methylene Chloride	5.093	84	369012	51.684	ug/l	90
21) trans-1,2-Dichloroethene	5.598	96	316771	48.275	ug/l	93
22) Diisopropyl ether	6.492	45	1361676	60.891	ug/l	90
23) Vinyl Acetate	6.428	43	5899747	311.661	ug/l	98
24) 1,1-Dichloroethane	6.381	63	701469	55.957	ug/l	99
25) 2-Butanone	7.328	43	1694397	324.217	ug/l	95
26) 2,2-Dichloropropane	7.322	77	522010	50.104	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	394895	52.361	ug/l	91
28) Bromochloromethane	7.651	49	285372	56.244	ug/l	84
29) Tetrahydrofuran	7.681	42	1155973	341.441	ug/l	91
30) Chloroform	7.816	83	666073	54.023	ug/l	99
31) Cyclohexane	8.092	56	620315	50.280	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	567689	53.316	ug/l	98
36) 1,1-Dichloropropene	8.216	75	483617	48.343	ug/l	97
37) Ethyl Acetate	7.410	43	680859	63.461	ug/l	97
38) Carbon Tetrachloride	8.204	117	478094	48.504	ug/l	99
39) Methylcyclohexane	9.457	83	585065	45.451	ug/l	94
40) Benzene	8.457	78	1506069	50.895	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	369144	65.328	ug/l #	85
42) 1,2-Dichloroethane	8.528	62	541508	53.731	ug/l	98
43) Isopropyl Acetate	8.557	43	1081345	63.943	ug/l	97
44) Trichloroethene	9.210	130	359485	46.134	ug/l	98
45) 1,2-Dichloropropane	9.486	63	412004	54.354	ug/l	100
46) Dibromomethane	9.575	93	257765	51.674	ug/l	97
47) Bromodichloromethane	9.757	83	528061	52.379	ug/l	99
48) Methyl methacrylate	9.557	41	504891	63.076	ug/l #	83
49) 1,4-Dioxane	9.563	88	178950	1258.702	ug/l	89
51) 4-Methyl-2-Pentanone	10.327	43	3420714	332.461	ug/l	98
52) Toluene	10.504	92	953322	51.270	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	586424	53.494	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	638850	53.065	ug/l	94
55) 1,1,2-Trichloroethane	10.892	97	382913	52.610	ug/l	98
56) Ethyl methacrylate	10.757	69	668026	60.916	ug/l	92
57) 1,3-Dichloropropane	11.039	76	690605	54.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	590779	243.182	ug/l	95
59) 2-Hexanone	11.080	43	2429307	343.300	ug/l	99
60) Dibromochloromethane	11.233	129	403554	52.464	ug/l	100
61) 1,2-Dibromoethane	11.339	107	390808	52.789	ug/l	100
64) Tetrachloroethene	10.974	164	304421	40.582	ug/l	96
65) Chlorobenzene	11.763	112	1007138	48.523	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.833	131	382257	50.524	ug/l	99
67) Ethyl Benzene	11.839	91	1836722	50.560	ug/l	97
68) m/p-Xylenes	11.951	106	1378000	98.203	ug/l	98
69) o-Xylene	12.274	106	694075	50.635	ug/l	98
70) Styrene	12.292	104	1113605	51.093	ug/l	98
71) Bromoform	12.457	173	307418	51.018	ug/l #	99
73) Isopropylbenzene	12.574	105	1799482	56.972	ug/l	99
74) N-amyl acetate	12.386	43	725400	71.848	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	608175	60.594	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	537604m	58.187	ug/l	
77) Bromobenzene	12.857	156	416843	53.911	ug/l	81
78) n-propylbenzene	12.916	91	1969159	55.489	ug/l	98
79) 2-Chlorotoluene	13.004	91	1221316	56.671	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1432117	55.967	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	178330	62.545	ug/l	90
82) 4-Chlorotoluene	13.098	91	1143408	54.657	ug/l	95
83) tert-Butylbenzene	13.321	119	1329691	54.792	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1408351	55.911	ug/l	100
85) sec-Butylbenzene	13.498	105	1762785	55.127	ug/l	99
86) p-Isopropyltoluene	13.610	119	1411705	53.778	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	690055	50.415	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	656523	48.956	ug/l	98
89) n-Butylbenzene	13.939	91	1057449	49.374	ug/l	96
90) Hexachloroethane	14.204	117	268282	57.227	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	663932	51.656	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	103986	63.944	ug/l	88
93) 1,2,4-Trichlorobenzene	15.257	180	305204	42.556	ug/l	98
94) Hexachlorobutadiene	15.362	225	185454	39.568	ug/l	99
95) Naphthalene	15.504	128	833898	47.779	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	297318	44.911	ug/l	98

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

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