

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071282.D
 Acq On : 14 Mar 2022 21:39
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2022
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 15 04:03:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	560827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	928660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	850553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	361184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	368751	47.975	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.940%		
35) Dibromofluoromethane	8.016	113	282274	48.168	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.340%		
50) Toluene-d8	10.439	98	1124686	47.667	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.340%		
62) 4-Bromofluorobenzene	12.727	95	395759	49.533	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	277170	45.094	ug/l	99
3) Chloromethane	2.299	50	402704	48.801	ug/l	99
4) Vinyl Chloride	2.440	62	370425	49.176	ug/l	98
5) Bromomethane	2.828	94	196049	59.410	ug/l	99
6) Chloroethane	2.999	64	226189	49.584	ug/l	100
7) Trichlorofluoromethane	3.369	101	483051	48.722	ug/l	99
8) Diethyl Ether	3.822	74	214624	50.587	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.210	101	278190	48.470	ug/l	96
10) Methyl Iodide	4.416	142	385956	47.611	ug/l	99
11) Tert butyl alcohol	5.363	59	404716	268.032	ug/l	98
12) 1,1-Dichloroethene	4.181	96	275692	49.034	ug/l	96
13) Acrolein	4.034	56	397626	248.795	ug/l	98
14) Allyl chloride	4.840	41	601668	49.201	ug/l	86
15) Acrylonitrile	5.545	53	1142504	254.823	ug/l	99
16) Acetone	4.281	43	973922	260.412	ug/l	96
17) Carbon Disulfide	4.528	76	704391	44.006	ug/l	99
18) Methyl Acetate	4.851	43	560036	55.703	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1114925	52.815	ug/l	96
20) Methylene Chloride	5.093	84	344257	50.361	ug/l	89
21) trans-1,2-Dichloroethene	5.593	96	299536	48.706	ug/l	90
22) Diisopropyl ether	6.487	45	1232342	51.152	ug/l	93
23) Vinyl Acetate	6.428	43	5401507	264.836	ug/l	99
24) 1,1-Dichloroethane	6.387	63	644272	50.609	ug/l	99
25) 2-Butanone	7.328	43	1594979	264.745	ug/l	96
26) 2,2-Dichloropropane	7.322	77	464429	47.288	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	367847	50.397	ug/l	91
28) Bromochloromethane	7.651	49	266778	47.058	ug/l	83
29) Tetrahydrofuran	7.681	42	1082641	259.396	ug/l	92
30) Chloroform	7.816	83	615467	50.689	ug/l	100
31) Cyclohexane	8.092	56	574041	46.767	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	535589	51.785	ug/l	98
36) 1,1-Dichloropropene	8.216	75	455244	48.486	ug/l	97
37) Ethyl Acetate	7.404	43	625033	48.370	ug/l	98
38) Carbon Tetrachloride	8.204	117	460173	50.670	ug/l	99
39) Methylcyclohexane	9.457	83	543917	49.243	ug/l	95
40) Benzene	8.457	78	1411103	49.881	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	304502	48.152	ug/l	92
42) 1,2-Dichloroethane	8.522	62	501991	50.993	ug/l	99
43) Isopropyl Acetate	8.557	43	1078753	55.826	ug/l #	93
44) Trichloroethene	9.210	130	337633	50.583	ug/l	100
45) 1,2-Dichloropropane	9.486	63	375365	49.429	ug/l	100
46) Dibromomethane	9.575	93	236446	50.587	ug/l	96
47) Bromodichloromethane	9.757	83	491705	52.055	ug/l	99
48) Methyl methacrylate	9.557	41	473328	52.857	ug/l #	82
49) 1,4-Dioxane	9.563	88	169123	1086.518	ug/l	88
51) 4-Methyl-2-Pentanone	10.328	43	3187243	265.773	ug/l	99
52) Toluene	10.504	92	878752	50.445	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	532155	51.108	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	577832	50.789	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	352222	50.459	ug/l	99
56) Ethyl methacrylate	10.757	69	611560	53.649	ug/l	91
57) 1,3-Dichloropropane	11.039	76	626763	50.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	961507	384.590	ug/l	95
59) 2-Hexanone	11.080	43	2327401	284.437	ug/l	99
60) Dibromochloromethane	11.233	129	367848	53.037	ug/l	99
61) 1,2-Dibromoethane	11.339	107	359422	50.380	ug/l	99
64) Tetrachloroethene	10.975	164	284964	48.038	ug/l	99
65) Chlorobenzene	11.763	112	910659	49.855	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	347651	51.906	ug/l	98
67) Ethyl Benzene	11.839	91	1687907	52.262	ug/l	95
68) m/p-Xylenes	11.951	106	1259177	106.574	ug/l	97
69) o-Xylene	12.274	106	633971	53.530	ug/l	98
70) Styrene	12.292	104	1021098	55.698	ug/l	97
71) Bromoform	12.451	173	280738	55.194	ug/l #	99
73) Isopropylbenzene	12.574	105	1624009	46.643	ug/l	99
74) N-amyl acetate	12.380	43	687748	52.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	564656	54.821	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	501997m	57.785	ug/l	
77) Bromobenzene	12.857	156	379255	46.712	ug/l	81
78) n-propylbenzene	12.916	91	1810793	48.467	ug/l	98
79) 2-Chlorotoluene	13.004	91	1115973	46.531	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1316827	48.613	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	177769	53.205	ug/l	89
82) 4-Chlorotoluene	13.098	91	1068046	49.996	ug/l	94
83) tert-Butylbenzene	13.321	119	1189115	49.189	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1295039	49.913	ug/l	100
85) sec-Butylbenzene	13.498	105	1602702	49.880	ug/l	99
86) p-Isopropyltoluene	13.610	119	1299371	51.421	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	643372	48.770	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	613570	47.581	ug/l	97
89) n-Butylbenzene	13.939	91	999258	50.559	ug/l	96
90) Hexachloroethane	14.204	117	242438	48.245	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	624604	49.248	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	106755	52.697	ug/l	87
93) 1,2,4-Trichlorobenzene	15.257	180	289038	48.900	ug/l	99
94) Hexachlorobutadiene	15.363	225	166352	46.722	ug/l	99
95) Naphthalene	15.498	128	913460	54.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	295878	52.059	ug/l	98

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

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