

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071308.D
 Acq On : 15 Mar 2022 21:41
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/16/2022
 Supervised By : Mahesh Dadoda 03/16/2022

Quant Time: Mar 16 08:09:13 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	625199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1013991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	936675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	380182	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	402926	47.024	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.040%
35) Dibromofluoromethane	8.016	113	309517	48.372	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.740%
50) Toluene-d8	10.439	98	1222136	47.438	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.880%
62) 4-Bromofluorobenzene	12.727	95	420095	48.154	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	280981	41.007	ug/l	99
3) Chloromethane	2.299	50	413612	44.960	ug/l	100
4) Vinyl Chloride	2.440	62	367044	43.710	ug/l	99
5) Bromomethane	2.828	94	190864	51.024	ug/l	99
6) Chloroethane	2.999	64	230348	45.297	ug/l	100
7) Trichlorofluoromethane	3.363	101	492188	44.532	ug/l	100
8) Diethyl Ether	3.828	74	216854	45.850	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.204	101	283984	44.385	ug/l	94
10) Methyl Iodide	4.422	142	375076	41.505	ug/l	99
11) Tert butyl alcohol	5.369	59	394262	234.224	ug/l	98
12) 1,1-Dichloroethene	4.181	96	278722	44.469	ug/l	94
13) Acrolein	4.040	56	357302	200.545	ug/l	99
14) Allyl chloride	4.834	41	613581	45.009	ug/l	86
15) Acrylonitrile	5.546	53	1176579	235.403	ug/l	99
16) Acetone	4.281	43	973577	233.516	ug/l	96
17) Carbon Disulfide	4.528	76	694108	38.899	ug/l	100
18) Methyl Acetate	4.851	43	569715	50.873	ug/l	95
19) Methyl tert-butyl Ether	5.610	73	1110633	47.195	ug/l	96
20) Methylene Chloride	5.093	84	352274	46.259	ug/l	89
21) trans-1,2-Dichloroethene	5.598	96	299001	43.613	ug/l	91
22) Diisopropyl ether	6.493	45	1268675	47.238	ug/l	92
23) Vinyl Acetate	6.428	43	5529194	243.184	ug/l	97
24) 1,1-Dichloroethane	6.387	63	650378	45.828	ug/l	98
25) 2-Butanone	7.328	43	1618803	241.033	ug/l	95
26) 2,2-Dichloropropane	7.328	77	475908	43.468	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	367871	45.211	ug/l	90
28) Bromochloromethane	7.657	49	255160	40.375	ug/l	83
29) Tetrahydrofuran	7.681	42	1094615	235.262	ug/l	92
30) Chloroform	7.816	83	618583	45.701	ug/l	99
31) Cyclohexane	8.092	56	591315	43.214	ug/l	88
32) 1,1,1-Trichloroethane	8.010	97	539205	46.766	ug/l	98
36) 1,1-Dichloropropene	8.216	75	461121	44.979	ug/l	97
37) Ethyl Acetate	7.410	43	649667	46.045	ug/l	97
38) Carbon Tetrachloride	8.204	117	456572	46.042	ug/l	98
39) Methylcyclohexane	9.457	83	552512	45.811	ug/l	95
40) Benzene	8.457	78	1422767	46.061	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	342981	49.673	ug/l #	85
42) 1,2-Dichloroethane	8.528	62	515566	47.965	ug/l	100
43) Isopropyl Acetate	8.557	43	1102368	52.247	ug/l #	92
44) Trichloroethene	9.210	130	336217	46.132	ug/l	96
45) 1,2-Dichloropropane	9.486	63	387061	46.680	ug/l	99
46) Dibromomethane	9.575	93	241535	47.327	ug/l	96
47) Bromodichloromethane	9.757	83	499611	48.441	ug/l	99
48) Methyl methacrylate	9.557	41	486042	49.709	ug/l #	82
49) 1,4-Dioxane	9.563	88	172179	1013.064	ug/l	88
51) 4-Methyl-2-Pentanone	10.328	43	3275788	250.169	ug/l	99
52) Toluene	10.504	92	904834	47.572	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	546874	48.101	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	587601	47.301	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	358166	46.993	ug/l	98
56) Ethyl methacrylate	10.757	69	618413	49.684	ug/l	89
57) 1,3-Dichloropropane	11.039	76	642183	46.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	864152	321.490	ug/l	94
59) 2-Hexanone	11.080	43	2400556	268.688	ug/l	100
60) Dibromochloromethane	11.233	129	374566	49.461	ug/l	99
61) 1,2-Dibromoethane	11.339	107	364565	46.801	ug/l	99
64) Tetrachloroethene	10.975	164	289610	44.332	ug/l	97
65) Chlorobenzene	11.769	112	948312	47.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	353751	47.960	ug/l	100
67) Ethyl Benzene	11.839	91	1743447	49.019	ug/l	97
68) m/p-Xylenes	11.951	106	1310886	100.749	ug/l	98
69) o-Xylene	12.275	106	657476	50.410	ug/l	98
70) Styrene	12.292	104	1053909	52.202	ug/l	98
71) Bromoform	12.451	173	288174	51.447	ug/l #	99
73) Isopropylbenzene	12.574	105	1694203	46.228	ug/l	99
74) N-amyl acetate	12.386	43	686886	49.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	575099	52.958	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	528845m	57.836	ug/l	
77) Bromobenzene	12.857	156	395712	46.304	ug/l	81
78) n-propylbenzene	12.916	91	1877378	47.738	ug/l	98
79) 2-Chlorotoluene	13.004	91	1152080	45.636	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1352867	47.447	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.622	75	179449	51.024	ug/l	92
82) 4-Chlorotoluene	13.098	91	1063009	47.273	ug/l	94
83) tert-Butylbenzene	13.322	119	1228441	48.277	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1333405	48.823	ug/l	100
85) sec-Butylbenzene	13.498	105	1647791	48.720	ug/l	99
86) p-Isopropyltoluene	13.610	119	1332509	50.097	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	643525	46.344	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	625195	46.060	ug/l	98
89) n-Butylbenzene	13.939	91	1018651	48.965	ug/l	96
90) Hexachloroethane	14.210	117	250630	47.383	ug/l	90
91) 1,2-Dichlorobenzene	13.986	146	623733	46.722	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	103650	48.608	ug/l	89
93) 1,2,4-Trichlorobenzene	15.257	180	287994	46.448	ug/l	98
94) Hexachlorobutadiene	15.363	225	167455	44.682	ug/l	99
95) Naphthalene	15.504	128	878084	50.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	285939	48.020	ug/l	99

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

