

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071111.D
 Acq On : 28 Feb 2022 21:56
 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 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

Quant Time: Mar 01 04:26:04 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	660445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1069027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	948105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	408438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	395032	52.361	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.720%			
35) Dibromofluoromethane	8.016	113	311144	48.933	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.860%			
50) Toluene-d8	10.433	98	1218490	47.717	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.440%			
62) 4-Bromofluorobenzene	12.727	95	419962	46.011	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	282431	41.173	ug/l	99
3) Chloromethane	2.299	50	386179	44.789	ug/l	99
4) Vinyl Chloride	2.440	62	362143	41.958	ug/l	97
5) Bromomethane	2.828	94	188478	38.441	ug/l	99
6) Chloroethane	2.999	64	244879	43.246	ug/l	95
7) Trichlorofluoromethane	3.369	101	491709	45.459	ug/l	97
8) Diethyl Ether	3.822	74	220710	46.938	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.210	101	283634	42.739	ug/l	96
10) Methyl Iodide	4.422	142	396960	43.189	ug/l	99
11) Tert butyl alcohol	5.357	59	406231	295.459	ug/l	99
12) 1,1-Dichloroethene	4.181	96	282596	43.706	ug/l	95
13) Acrolein	4.040	56	353675	287.870	ug/l	100
14) Allyl chloride	4.834	41	607323	49.251	ug/l #	85
15) Acrylonitrile	5.546	53	1178143	290.909	ug/l	99
16) Acetone	4.281	43	955978	230.087	ug/l	96
17) Carbon Disulfide	4.534	76	657800	35.477	ug/l	99
18) Methyl Acetate	4.846	43	535053	58.920	ug/l	96
19) Methyl tert-butyl Ether	5.610	73	1161230	51.198	ug/l	97
20) Methylene Chloride	5.087	84	346725	45.917	ug/l	90
21) trans-1,2-Dichloroethene	5.593	96	301923	43.506	ug/l	90
22) Diisopropyl ether	6.493	45	1285356	54.348	ug/l	92
23) Vinyl Acetate	6.428	43	5543131	276.873	ug/l	98
24) 1,1-Dichloroethane	6.387	63	658301	49.653	ug/l	100
25) 2-Butanone	7.328	43	1612049	291.660	ug/l	97
26) 2,2-Dichloropropane	7.316	77	488093	44.297	ug/l	98
27) cis-1,2-Dichloroethene	7.316	96	379687	47.603	ug/l	92
28) Bromochloromethane	7.651	49	267983	49.940	ug/l	85
29) Tetrahydrofuran	7.675	42	1083167	302.511	ug/l	93
30) Chloroform	7.816	83	627573	48.128	ug/l	99
31) Cyclohexane	8.092	56	600428	46.018	ug/l	91
32) 1,1,1-Trichloroethane	8.010	97	538835	47.850	ug/l	97
36) 1,1-Dichloropropene	8.216	75	458809	44.042	ug/l	97
37) Ethyl Acetate	7.404	43	638172	57.120	ug/l	98
38) Carbon Tetrachloride	8.204	117	444250	43.281	ug/l	98
39) Methylcyclohexane	9.457	83	555685	41.454	ug/l	95
40) Benzene	8.457	78	1430495	46.422	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	317568	53.969	ug/l	92
42) 1,2-Dichloroethane	8.522	62	511095	48.699	ug/l	99
43) Isopropyl Acetate	8.551	43	984385	55.898	ug/l	98
44) Trichloroethene	9.210	130	347043	42.769	ug/l	99
45) 1,2-Dichloropropane	9.486	63	382897	48.508	ug/l	98
46) Dibromomethane	9.569	93	239368	46.080	ug/l	97
47) Bromodichloromethane	9.757	83	484489	46.149	ug/l	99
48) Methyl methacrylate	9.557	41	471190	56.528	ug/l #	82
49) 1,4-Dioxane	9.563	88	165287	1116.440	ug/l	90
51) 4-Methyl-2-Pentanone	10.328	43	3198237	298.497	ug/l	98
52) Toluene	10.498	92	894940	46.219	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	534734	46.842	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	593202	47.317	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	353651	46.660	ug/l	98
56) Ethyl methacrylate	10.757	69	614227	53.787	ug/l	91
57) 1,3-Dichloropropane	11.039	76	645144	49.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	601487	238.469	ug/l	95
59) 2-Hexanone	11.080	43	2266668	307.599	ug/l	99
60) Dibromochloromethane	11.233	129	367384	45.866	ug/l	100
61) 1,2-Dibromoethane	11.339	107	365871	47.459	ug/l	99
64) Tetrachloroethene	10.975	164	293755	39.784	ug/l	97
65) Chlorobenzene	11.763	112	934998	45.765	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	349124	46.880	ug/l	100
67) Ethyl Benzene	11.839	91	1719881	48.098	ug/l	97
68) m/p-Xylenes	11.951	106	1294160	93.698	ug/l	98
69) o-Xylene	12.275	106	656219	48.636	ug/l	98
70) Styrene	12.286	104	1056888	49.263	ug/l	97
71) Bromoform	12.451	173	275288	46.414	ug/l #	99
73) Isopropylbenzene	12.574	105	1672117	50.862	ug/l	100
74) N-amyl acetate	12.380	43	666203	63.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	562555	53.848	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	503368m	52.343	ug/l	
77) Bromobenzene	12.857	156	397787	49.427	ug/l	84
78) n-propylbenzene	12.916	91	1877902	50.840	ug/l	98
79) 2-Chlorotoluene	13.004	91	1156792	51.570	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	1353607	50.822	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	160765	54.172	ug/l	91
82) 4-Chlorotoluene	13.098	91	1095758	50.323	ug/l	95
83) tert-Butylbenzene	13.316	119	1256192	49.732	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1324483	50.517	ug/l	100
85) sec-Butylbenzene	13.498	105	1668094	50.118	ug/l	99
86) p-Isopropyltoluene	13.610	119	1342711	49.142	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	662711	46.517	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	640902	45.915	ug/l	98
89) n-Butylbenzene	13.939	91	1013817	45.479	ug/l	96
90) Hexachloroethane	14.204	117	238178	48.811	ug/l	92
91) 1,2-Dichlorobenzene	13.980	146	637049	47.619	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	97294	57.481	ug/l	89
93) 1,2,4-Trichlorobenzene	15.257	180	284365	38.303	ug/l	99
94) Hexachlorobutadiene	15.363	225	182353	37.379	ug/l	99
95) Naphthalene	15.498	128	761764	42.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	276030	40.331	ug/l	98

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

