

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071562.D
 Acq On : 25 Mar 2022 21:08
 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 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 04:08:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	718784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1167698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1066161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	450492	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	429938	48.145	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.280%
35) Dibromofluoromethane	8.016	113	354216	48.267	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.540%
50) Toluene-d8	10.439	98	1445143	48.822	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.727	95	474424	48.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	333372	44.449	ug/l	97
3) Chloromethane	2.299	50	398770	47.217	ug/l	99
4) Vinyl Chloride	2.440	62	459404	45.420	ug/l	97
5) Bromomethane	2.828	94	275584	51.625	ug/l	98
6) Chloroethane	2.999	64	291015	42.926	ug/l	99
7) Trichlorofluoromethane	3.363	101	528019	45.231	ug/l	99
8) Diethyl Ether	3.822	74	221754	45.569	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.210	101	310532	44.400	ug/l	99
10) Methyl Iodide	4.416	142	467111	46.319	ug/l	100
11) Tert butyl alcohol	5.369	59	403916	242.718	ug/l	100
12) 1,1-Dichloroethene	4.181	96	309849	44.982	ug/l	97
13) Acrolein	4.040	56	291227	228.830	ug/l	98
14) Allyl chloride	4.834	41	487368	43.829	ug/l	100
15) Acrylonitrile	5.551	53	1068389	236.141	ug/l	100
16) Acetone	4.281	43	863687	235.953	ug/l	98
17) Carbon Disulfide	4.528	76	793940	44.191	ug/l	99
18) Methyl Acetate	4.851	43	460324	47.936	ug/l	100
19) Methyl tert-butyl Ether	5.610	73	1121969	45.541	ug/l	97
20) Methylene Chloride	5.093	84	366501	42.971	ug/l	98
21) trans-1,2-Dichloroethene	5.593	96	331267	44.312	ug/l	98
22) Diisopropyl ether	6.493	45	1054997	45.764	ug/l	98
23) Vinyl Acetate	6.428	43	4675727	236.257	ug/l	99
24) 1,1-Dichloroethane	6.381	63	630369	45.133	ug/l	99
25) 2-Butanone	7.328	43	1399386	238.284	ug/l	100
26) 2,2-Dichloropropane	7.328	77	439612	37.622	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	400901	44.979	ug/l	97
28) Bromochloromethane	7.651	49	254397	44.576	ug/l	98
29) Tetrahydrofuran	7.681	42	935636	239.600	ug/l	99
30) Chloroform	7.816	83	644340	46.020	ug/l	99
31) Cyclohexane	8.092	56	562967	44.056	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	557213	45.686	ug/l	100
36) 1,1-Dichloropropene	8.216	75	471508	44.562	ug/l	100
37) Ethyl Acetate	7.410	43	549952	47.684	ug/l	99
38) Carbon Tetrachloride	8.204	117	471383	45.703	ug/l	99
39) Methylcyclohexane	9.457	83	599653	46.194	ug/l	99
40) Benzene	8.457	78	1468253	44.578	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	284128	51.890	ug/l	91
42) 1,2-Dichloroethane	8.528	62	509290	44.331	ug/l	100
43) Isopropyl Acetate	8.557	43	894600	48.511	ug/l	97
44) Trichloroethene	9.210	130	381982	44.678	ug/l	98
45) 1,2-Dichloropropane	9.486	63	365194	44.760	ug/l	99
46) Dibromomethane	9.575	93	253432	45.639	ug/l	99
47) Bromodichloromethane	9.757	83	502070	46.129	ug/l	97
48) Methyl methacrylate	9.557	41	399360	47.964	ug/l	100
49) 1,4-Dioxane	9.563	88	185594	966.012	ug/l	98
51) 4-Methyl-2-Pentanone	10.328	43	2725450	236.039	ug/l	99
52) Toluene	10.504	92	949160	46.043	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	530411	45.321	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	586013	45.406	ug/l	99
55) 1,1,2-Trichloroethane	10.892	97	375923	44.982	ug/l	99
56) Ethyl methacrylate	10.757	69	604857	48.013	ug/l	99
57) 1,3-Dichloropropane	11.039	76	638967	45.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	941329	237.690	ug/l	100
59) 2-Hexanone	11.080	43	2046102	245.809	ug/l	100
60) Dibromochloromethane	11.233	129	392649	46.582	ug/l	100
61) 1,2-Dibromoethane	11.339	107	388086	46.027	ug/l	100
64) Tetrachloroethene	10.975	164	325602	44.184	ug/l	98
65) Chlorobenzene	11.769	112	1016328	44.931	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	372343	46.531	ug/l	99
67) Ethyl Benzene	11.839	91	1787122	46.020	ug/l	98
68) m/p-Xylenes	11.951	106	1393661	93.792	ug/l	99
69) o-Xylene	12.275	106	699375	47.378	ug/l	97
70) Styrene	12.292	104	1105732	48.042	ug/l	100
71) Bromoform	12.457	173	304155	48.327	ug/l #	99
73) Isopropylbenzene	12.574	105	1760409	44.324	ug/l	99
74) N-amyl acetate	12.380	43	596106	46.694	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.822	83	578552	49.080	ug/l	100
76) 1,2,3-Trichloropropane	12.880	75	445165m	44.315	ug/l	
77) Bromobenzene	12.857	156	424724	42.910	ug/l	99
78) n-propylbenzene	12.916	91	1916558	45.356	ug/l	100
79) 2-Chlorotoluene	13.004	91	1173838	43.050	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	1401734	44.710	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.622	75	172884	46.077	ug/l	95
82) 4-Chlorotoluene	13.104	91	1086730	43.290	ug/l	99
83) tert-Butylbenzene	13.321	119	1273066	44.983	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	1368046	45.219	ug/l	99
85) sec-Butylbenzene	13.498	105	1709163	45.562	ug/l	100
86) p-Isopropyltoluene	13.610	119	1385263	46.324	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	705729	43.957	ug/l	99
88) 1,4-Dichlorobenzene	13.692	146	678708	42.772	ug/l	99
89) n-Butylbenzene	13.939	91	1022640	44.654	ug/l	99
90) Hexachloroethane	14.210	117	256232	43.900	ug/l	98
91) 1,2-Dichlorobenzene	13.986	146	683366	44.403	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.598	75	107444	45.750	ug/l	99
93) 1,2,4-Trichlorobenzene	15.263	180	321315	45.056	ug/l	99
94) Hexachlorobutadiene	15.368	225	189463	43.933	ug/l	98
95) Naphthalene	15.504	128	973077	42.926	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	327845	46.332	ug/l	100

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

