

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN074016.D
 Acq On : 18 Aug 2022 19:54
 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 08/19/2022
 Supervised By : Mahesh Dadoda 08/22/2022

Quant Time: Aug 19 00:04:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	580044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	907447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	820820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	414692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	301241	53.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.640%			
35) Dibromofluoromethane	7.951	113	266500	49.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.320%			
50) Toluene-d8	10.380	98	1026806	49.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.674	95	358219	51.932	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	224483	48.808	ug/l	97
3) Chloromethane	2.269	50	262790	51.381	ug/l	97
4) Vinyl Chloride	2.404	62	322688	49.147	ug/l	96
5) Bromomethane	2.787	94	183925	44.858	ug/l	95
6) Chloroethane	2.951	64	208989	45.056	ug/l	100
7) Trichlorofluoromethane	3.310	101	454274	53.634	ug/l	100
8) Diethyl Ether	3.763	74	164604	52.353	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.140	101	226986	46.133	ug/l	94
10) Methyl Iodide	4.351	142	232967	39.439	ug/l	98
11) Tert butyl alcohol	5.298	59	380784	301.318	ug/l	100
12) 1,1-Dichloroethene	4.110	96	227919	49.787	ug/l	94
13) Acrolein	3.981	56	263867	298.304	ug/l	98
14) Allyl chloride	4.757	41	362358	53.446	ug/l	97
15) Acrylonitrile	5.475	53	907693	294.200	ug/l	100
16) Acetone	4.222	43	771383	289.405	ug/l	99
17) Carbon Disulfide	4.457	76	519830	47.756	ug/l	100
18) Methyl Acetate	4.775	43	439717	66.866	ug/l	99
19) Methyl tert-butyl Ether	5.534	73	877310	53.210	ug/l	97
20) Methylene Chloride	5.010	84	276164	49.101	ug/l	99
21) trans-1,2-Dichloroethene	5.510	96	240719	47.728	ug/l	97
22) Diisopropyl ether	6.410	45	801188	55.734	ug/l	98
23) Vinyl Acetate	6.351	43	3490548	283.351	ug/l	98
24) 1,1-Dichloroethane	6.304	63	470741	52.609	ug/l	98
25) 2-Butanone	7.263	43	1261057	298.384	ug/l	99
26) 2,2-Dichloropropane	7.245	77	330056	39.261	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	308500	49.577	ug/l	94
28) Bromochloromethane	7.580	49	179882	54.506	ug/l	89
29) Tetrahydrofuran	7.610	42	813671	300.128	ug/l	98
30) Chloroform	7.745	83	506643	50.636	ug/l	97
31) Cyclohexane	8.022	56	383021	48.633	ug/l	99
32) 1,1,1-Trichloroethane	7.939	97	447884	50.478	ug/l	97
36) 1,1-Dichloropropene	8.151	75	345717	46.380	ug/l	99
37) Ethyl Acetate	7.339	43	476437	52.759	ug/l	99
38) Carbon Tetrachloride	8.133	117	388873	45.642	ug/l	98
39) Methylcyclohexane	9.398	83	420804	45.054	ug/l	96
40) Benzene	8.392	78	1110157	47.189	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	224922	55.115	ug/l	93
42) 1,2-Dichloroethane	8.463	62	388049	47.971	ug/l	98
43) Isopropyl Acetate	8.498	43	669059	52.008	ug/l	98
44) Trichloroethene	9.151	130	301824	44.419	ug/l	95
45) 1,2-Dichloropropane	9.427	63	284270	50.412	ug/l	97
46) Dibromomethane	9.516	93	203271	47.414	ug/l	93
47) Bromodichloromethane	9.698	83	402779	49.155	ug/l	100
48) Methyl methacrylate	9.498	41	298797	54.282	ug/l	92
49) 1,4-Dioxane	9.504	88	175257	1070.637	ug/l	95
51) 4-Methyl-2-Pentanone	10.269	43	2401526	276.110	ug/l	99
52) Toluene	10.445	92	729481	45.220	ug/l	99
53) t-1,3-Dichloropropene	10.663	75	421621	49.035	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	451818	48.026	ug/l	96
55) 1,1,2-Trichloroethane	10.839	97	309363	49.299	ug/l	99
56) Ethyl methacrylate	10.704	69	497998	55.641	ug/l	94
57) 1,3-Dichloropropane	10.986	76	512453	50.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	1154554	276.396	ug/l	97
59) 2-Hexanone	11.027	43	1921144	287.002	ug/l	99
60) Dibromochloromethane	11.180	129	343200	49.455	ug/l	100
61) 1,2-Dibromoethane	11.286	107	328942	49.009	ug/l	99
64) Tetrachloroethene	10.916	164	271466	41.902	ug/l	95
65) Chlorobenzene	11.710	112	813190	46.616	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	322000	48.745	ug/l	98
67) Ethyl Benzene	11.786	91	1405133	48.435	ug/l	99
68) m/p-Xylenes	11.892	106	1112028	94.340	ug/l	98
69) o-Xylene	12.221	106	559751	47.354	ug/l	97
70) Styrene	12.233	104	917788	49.594	ug/l	98
71) Bromoform	12.398	173	285821	48.463	ug/l #	99
73) Isopropylbenzene	12.521	105	1439092	47.657	ug/l	99
74) N-amyl acetate	12.327	43	568425	49.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	504755	49.812	ug/l	100
76) 1,2,3-Trichloropropane	12.821	75	374963m	43.503	ug/l	
77) Bromobenzene	12.798	156	373394	45.683	ug/l	95
78) n-propylbenzene	12.862	91	1586164	49.278	ug/l	99
79) 2-Chlorotoluene	12.945	91	972750	48.495	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	1204520	49.041	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	150008	49.499	ug/l	95
82) 4-Chlorotoluene	13.045	91	937092	49.187	ug/l	98
83) tert-Butylbenzene	13.262	119	1089607	48.209	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	1211392	49.389	ug/l	100
85) sec-Butylbenzene	13.439	105	1486795	50.748	ug/l	98
86) p-Isopropyltoluene	13.557	119	1271746	50.953	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	665294	46.936	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	656438	45.697	ug/l	99
89) n-Butylbenzene	13.880	91	967868	48.958	ug/l	99
90) Hexachloroethane	14.151	117	222417	48.752	ug/l	90
91) 1,2-Dichlorobenzene	13.927	146	688995	47.071	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	121829	50.920	ug/l	90
93) 1,2,4-Trichlorobenzene	15.198	180	424491	47.649	ug/l	99
94) Hexachlorobutadiene	15.303	225	209384	44.587	ug/l	98
95) Naphthalene	15.433	128	1485064	51.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	437855	47.551	ug/l	98

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

