

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072258.D
 Acq On : 28 Apr 2022 23:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 06:39:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	270928	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	467904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	426748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	170379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	205252	49.347	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.700%		
35) Dibromofluoromethane	8.016	113	141893	47.379	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.760%		
50) Toluene-d8	10.439	98	563780	47.908	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.820%		
62) 4-Bromofluorobenzene	12.727	95	199049	50.960	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	140800	46.355	ug/l	99
3) Chloromethane	2.299	50	146216	42.793	ug/l	100
4) Vinyl Chloride	2.440	62	129491	42.457	ug/l	94
5) Bromomethane	2.834	94	71811	49.149	ug/l	99
6) Chloroethane	3.004	64	77461	44.759	ug/l	97
7) Trichlorofluoromethane	3.369	101	238607	44.781	ug/l	97
8) Diethyl Ether	3.822	74	89993	46.643	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.210	101	122801	43.875	ug/l	96
10) Methyl Iodide	4.422	142	156472	46.056	ug/l	# 85
11) Tert butyl alcohol	5.369	59	177453	259.614	ug/l	99
12) 1,1-Dichloroethene	4.181	96	112495	43.475	ug/l	84
13) Acrolein	4.040	56	148767	216.271	ug/l	98
14) Allyl chloride	4.834	41	230296	42.865	ug/l	96
15) Acrylonitrile	5.551	53	477002	231.257	ug/l	99
16) Acetone	4.281	43	407818	227.417	ug/l	94
17) Carbon Disulfide	4.534	76	258997	42.595	ug/l	99
18) Methyl Acetate	4.851	43	224166	44.711	ug/l	94
19) Methyl tert-butyl Ether	5.616	73	508045	50.089	ug/l	99
20) Methylene Chloride	5.098	84	146452	42.606	ug/l	90
21) trans-1,2-Dichloroethene	5.592	96	125053	43.827	ug/l	91
22) Diisopropyl ether	6.492	45	495634	44.787	ug/l	97
23) Vinyl Acetate	6.428	43	2150312	231.362	ug/l	94
24) 1,1-Dichloroethane	6.387	63	275754	44.548	ug/l	99
25) 2-Butanone	7.328	43	642244	224.883	ug/l	93
26) 2,2-Dichloropropane	7.322	77	196258	40.588	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	155691	44.758	ug/l	92
28) Bromochloromethane	7.657	49	117957	42.556	ug/l	83
29) Tetrahydrofuran	7.681	42	419205	223.667	ug/l	92
30) Chloroform	7.816	83	283505	45.615	ug/l	96
31) Cyclohexane	8.092	56	224914	40.470	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	256023	48.406	ug/l	99
36) 1,1-Dichloropropene	8.216	75	195283	44.798	ug/l	96
37) Ethyl Acetate	7.410	43	255565	44.146	ug/l	97
38) Carbon Tetrachloride	8.204	117	217733	46.635	ug/l	98
39) Methylcyclohexane	9.457	83	220447	45.215	ug/l	94
40) Benzene	8.457	78	594977	44.003	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	134422	45.899	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	238400	46.054	ug/l	97
43) Isopropyl Acetate	8.557	43	393846	43.437	ug/l	96
44) Trichloroethene	9.210	130	136848	43.508	ug/l	83
45) 1,2-Dichloropropane	9.486	63	156785	42.912	ug/l	99
46) Dibromomethane	9.575	93	104912	45.837	ug/l	90
47) Bromodichloromethane	9.757	83	228162	47.509	ug/l	99
48) Methyl methacrylate	9.557	41	178892	46.781	ug/l	95
49) 1,4-Dioxane	9.563	88	68230	1015.729	ug/l #	91
51) 4-Methyl-2-Pentanone	10.327	43	1277967	233.966	ug/l	96
52) Toluene	10.504	92	379852	46.992	ug/l	97
53) t-1,3-Dichloropropene	10.716	75	235282	48.736	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	249732	47.833	ug/l	94
55) 1,1,2-Trichloroethane	10.892	97	151244	44.624	ug/l	97
56) Ethyl methacrylate	10.757	69	264189	44.768	ug/l	93
57) 1,3-Dichloropropane	11.039	76	272922	45.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	340705	215.949	ug/l	95
59) 2-Hexanone	11.080	43	925791	240.564	ug/l	94
60) Dibromochloromethane	11.233	129	167994	48.472	ug/l	99
61) 1,2-Dibromoethane	11.339	107	155253	46.578	ug/l	98
64) Tetrachloroethene	10.974	164	115182	44.839	ug/l	95
65) Chlorobenzene	11.769	112	387327	44.920	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	154227	47.469	ug/l	96
67) Ethyl Benzene	11.839	91	753912	50.136	ug/l	98
68) m/p-Xylenes	11.951	106	548748	98.273	ug/l	89
69) o-Xylene	12.274	106	269387	49.764	ug/l	90
70) Styrene	12.292	104	436675	51.212	ug/l	95
71) Bromoform	12.451	173	120473	49.856	ug/l #	98
73) Isopropylbenzene	12.574	105	722694	48.026	ug/l	97
74) N-amyl acetate	12.380	43	265340	47.066	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	237064	47.153	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	189671m	48.046	ug/l	
77) Bromobenzene	12.857	156	157058	44.135	ug/l	86
78) n-propylbenzene	12.916	91	788724	47.578	ug/l	96
79) 2-Chlorotoluene	13.004	91	500521	45.967	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	601109	47.966	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.621	75	66504	45.132	ug/l	92
82) 4-Chlorotoluene	13.098	91	476144	46.975	ug/l	94
83) tert-Butylbenzene	13.321	119	525999	47.804	ug/l	92
84) 1,2,4-Trimethylbenzene	13.363	105	599465	49.439	ug/l	94
85) sec-Butylbenzene	13.498	105	695673	48.495	ug/l	97
86) p-Isopropyltoluene	13.610	119	570950	51.052	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	264752	45.968	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	256189	45.740	ug/l	96
89) n-Butylbenzene	13.939	91	427903	49.952	ug/l	98
90) Hexachloroethane	14.204	117	104873	43.197	ug/l	89
91) 1,2-Dichlorobenzene	13.986	146	258947	45.616	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	47861	45.987	ug/l	81
93) 1,2,4-Trichlorobenzene	15.257	180	118420	45.361	ug/l	97
94) Hexachlorobutadiene	15.362	225	68227	44.852	ug/l	98
95) Naphthalene	15.504	128	415471	47.331	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	122553	47.026	ug/l	96

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

