

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060822\
 Data File : VN072709.D
 Acq On : 08 Jun 2022 19:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060822

Quant Time: Jun 09 05:27:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	172602	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	314217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	332796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	159505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	235411	50.817	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.640%			
35) Dibromofluoromethane	8.016	113	157189	50.557	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.120%			
50) Toluene-d8	10.439	98	642299	51.778	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.727	95	225286	52.925	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.860%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	132786	47.425	ug/l	98
3) Chloromethane	2.293	50	150192	49.386	ug/l	98
4) Vinyl Chloride	2.434	62	142704	46.544	ug/l	99
5) Bromomethane	2.828	94	76214	54.375	ug/l	100
6) Chloroethane	2.998	64	96627	49.650	ug/l	97
7) Trichlorofluoromethane	3.363	101	228404	46.804	ug/l	98
8) Diethyl Ether	3.816	74	94398	47.577	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.198	101	125481	46.957	ug/l	90
10) Methyl Iodide	4.416	142	121694	48.841	ug/l	# 89
11) Tert butyl alcohol	5.369	59	263557	238.495	ug/l	100
12) 1,1-Dichloroethene	4.181	96	116276	46.688	ug/l	92
13) Acrolein	4.040	56	115733	253.576	ug/l	98
14) Allyl chloride	4.828	41	264091	45.930	ug/l	90
15) Acrylonitrile	5.545	53	579251	247.395	ug/l	99
16) Acetone	4.281	43	541344	243.873	ug/l	94
17) Carbon Disulfide	4.522	76	276658	48.140	ug/l	99
18) Methyl Acetate	4.851	43	277622	48.068	ug/l	92
19) Methyl tert-butyl Ether	5.610	73	547363	48.590	ug/l	99
20) Methylene Chloride	5.092	84	155353	49.026	ug/l	# 85
21) trans-1,2-Dichloroethene	5.586	96	126862	46.260	ug/l	89
22) Diisopropyl ether	6.492	45	561169	48.153	ug/l	95
23) Vinyl Acetate	6.428	43	2606480	244.291	ug/l	# 93
24) 1,1-Dichloroethane	6.386	63	294402	48.649	ug/l	98
25) 2-Butanone	7.333	43	856868	239.965	ug/l	91
26) 2,2-Dichloropropane	7.322	77	233779	42.725	ug/l	95
27) cis-1,2-Dichloroethene	7.322	96	163061	46.748	ug/l	88
28) Bromochloromethane	7.651	49	144753	50.645	ug/l	# 76
29) Tetrahydrofuran	7.680	42	534188	242.100	ug/l	91
30) Chloroform	7.816	83	305344	48.403	ug/l	97
31) Cyclohexane	8.092	56	238667	48.643	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	274369	49.217	ug/l	97
36) 1,1-Dichloropropene	8.222	75	207733	48.135	ug/l	96
37) Ethyl Acetate	7.404	43	321988	48.023	ug/l	96
38) Carbon Tetrachloride	8.204	117	229503	49.763	ug/l	97
39) Methylcyclohexane	9.457	83	239902	47.903	ug/l	94
40) Benzene	8.457	78	629825	48.092	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	106175m	46.977	ug/l	
42) 1,2-Dichloroethane	8.527	62	266016	48.991	ug/l	96
43) Isopropyl Acetate	8.557	43	511598	48.995	ug/l #	93
44) Trichloroethene	9.216	130	145576	47.746	ug/l	87
45) 1,2-Dichloropropane	9.486	63	176469	49.865	ug/l	99
46) Dibromomethane	9.574	93	120820	48.837	ug/l #	83
47) Bromodichloromethane	9.757	83	256607	50.458	ug/l	99
48) Methyl methacrylate	9.557	41	232156	46.991	ug/l #	86
49) 1,4-Dioxane	9.563	88	90512	1002.269	ug/l #	88
51) 4-Methyl-2-Pentanone	10.327	43	1739148	255.746	ug/l	91
52) Toluene	10.504	92	408844	50.000	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	282449	49.996	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	286152	49.022	ug/l #	83
55) 1,1,2-Trichloroethane	10.898	97	168685	47.805	ug/l	96
56) Ethyl methacrylate	10.757	69	315150	50.498	ug/l #	82
57) 1,3-Dichloropropane	11.045	76	309485	49.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	665831	267.700	ug/l	93
59) 2-Hexanone	11.080	43	1340458	268.066	ug/l	88
60) Dibromochloromethane	11.239	129	187202	51.114	ug/l	100
61) 1,2-Dibromoethane	11.345	107	179342	49.592	ug/l	99
64) Tetrachloroethene	10.974	164	128132	45.732	ug/l	92
65) Chlorobenzene	11.768	112	432234	48.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	171037	48.484	ug/l	97
67) Ethyl Benzene	11.839	91	808532	48.489	ug/l	96
68) m/p-Xylenes	11.951	106	581345	98.105	ug/l	89
69) o-Xylene	12.274	106	297749	49.986	ug/l	90
70) Styrene	12.292	104	477879	51.044	ug/l	94
71) Bromoform	12.457	173	130780	52.707	ug/l #	98
73) Isopropylbenzene	12.574	105	780916	45.643	ug/l	98
74) N-amyl acetate	12.386	43	402389	50.602	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.821	83	278537	46.898	ug/l	99
76) 1,2,3-Trichloropropane	12.880	75	237922m	46.224	ug/l	
77) Bromobenzene	12.857	156	157947	46.830	ug/l	69
78) n-propylbenzene	12.915	91	895047	47.913	ug/l	95
79) 2-Chlorotoluene	13.004	91	547181	46.692	ug/l	93
80) 1,3,5-Trimethylbenzene	13.057	105	635863	46.904	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	92352	46.924	ug/l	90
82) 4-Chlorotoluene	13.104	91	517158	47.781	ug/l	93
83) tert-Butylbenzene	13.321	119	559338	46.976	ug/l	89
84) 1,2,4-Trimethylbenzene	13.362	105	618882	47.712	ug/l	95
85) sec-Butylbenzene	13.498	105	772765	48.099	ug/l	97
86) p-Isopropyltoluene	13.615	119	615399	48.694	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	270792	47.270	ug/l	96
88) 1,4-Dichlorobenzene	13.692	146	268213	47.790	ug/l	95
89) n-Butylbenzene	13.939	91	518360	48.682	ug/l	98
90) Hexachloroethane	14.209	117	133084	48.652	ug/l	74
91) 1,2-Dichlorobenzene	13.986	146	272323	48.500	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	66660	46.465	ug/l	76
93) 1,2,4-Trichlorobenzene	15.262	180	136807	50.648	ug/l	97
94) Hexachlorobutadiene	15.368	225	58782	48.580	ug/l	99
95) Naphthalene	15.504	128	568089	54.206	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	140106	52.088	ug/l	97

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

