

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061322\
 Data File : VN072798.D
 Acq On : 13 Jun 2022 11:26
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/14/2022
 Supervised By : Mahesh Dadoda 06/14/2022

Quant Time: Jun 13 13:34:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061322W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 13 13:32:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	155933	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	284615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	286706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	130670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	88583	31.599	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	63.200%		
35) Dibromofluoromethane	8.016	113	57343	27.333	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	54.660%#		
50) Toluene-d8	10.439	98	226963	28.038	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	56.080%#		
62) 4-Bromofluorobenzene	12.727	95	73437	26.923	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	53.840%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	46511	22.878	ug/l	95
3) Chloromethane	2.298	50	49486	22.575	ug/l	96
4) Vinyl Chloride	2.434	62	53536	29.315	ug/l	98
5) Bromomethane	2.846	94	22114	21.644	ug/l	96
6) Chloroethane	3.010	64	37863	31.285	ug/l	93
7) Trichlorofluoromethane	3.369	101	84274	25.658	ug/l	99
8) Diethyl Ether	3.822	74	32483	27.077	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.204	101	44764	24.934	ug/l	89
10) Methyl Iodide	4.416	142	30555	14.373	ug/l	# 80
11) Tert butyl alcohol	5.357	59	81036	165.424	ug/l	99
12) 1,1-Dichloroethene	4.181	96	39908	24.048	ug/l	84
13) Acrolein	4.040	56	19973	57.133	ug/l	99
14) Allyl chloride	4.834	41	95152	29.369	ug/l	# 88
15) Acrylonitrile	5.545	53	203455	165.911	ug/l	99
16) Acetone	4.281	43	187162	168.029	ug/l	97
17) Carbon Disulfide	4.528	76	87466	21.104	ug/l	98
18) Methyl Acetate	4.851	43	101855	31.957	ug/l	90
19) Methyl tert-butyl Ether	5.604	73	198114	31.153	ug/l	99
20) Methylene Chloride	5.092	84	57761	27.477	ug/l	# 83
21) trans-1,2-Dichloroethene	5.592	96	44746	25.681	ug/l	93
22) Diisopropyl ether	6.492	45	209437	31.207	ug/l	96
23) Vinyl Acetate	6.428	43	928996	162.491	ug/l	# 93
24) 1,1-Dichloroethane	6.386	63	108683	29.426	ug/l	99
25) 2-Butanone	7.328	43	301367	170.288	ug/l	90
26) 2,2-Dichloropropane	7.322	77	94076	29.782	ug/l	95
27) cis-1,2-Dichloroethene	7.328	96	60211	27.930	ug/l	86
28) Bromochloromethane	7.651	49	53344	32.419	ug/l	# 71
29) Tetrahydrofuran	7.681	42	190224	167.980	ug/l	# 88
30) Chloroform	7.810	83	113434	29.912	ug/l	97
31) Cyclohexane	8.086	56	88584	25.753	ug/l	87
32) 1,1,1-Trichloroethane	8.010	97	97063	28.206	ug/l	95
36) 1,1-Dichloropropene	8.216	75	72717	25.186	ug/l	95
37) Ethyl Acetate	7.410	43	118884	32.042	ug/l	96
38) Carbon Tetrachloride	8.198	117	79633	24.786	ug/l	99
39) Methylcyclohexane	9.457	83	83802	25.944	ug/l	92
40) Benzene	8.457	78	228581	26.309	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	53495	28.482	ug/l	88
42) 1,2-Dichloroethane	8.522	62	100868	28.255	ug/l	94
43) Isopropyl Acetate	8.557	43	185035	32.245	ug/l #	92
44) Trichloroethene	9.216	130	52118	24.061	ug/l	86
45) 1,2-Dichloropropane	9.486	63	66281	29.399	ug/l	92
46) Dibromomethane	9.574	93	43483	27.615	ug/l #	83
47) Bromodichloromethane	9.757	83	92106	28.554	ug/l	99
48) Methyl methacrylate	9.557	41	79314	30.104	ug/l #	83
49) 1,4-Dioxane	9.569	88	28567	616.291	ug/l #	86
51) 4-Methyl-2-Pentanone	10.327	43	623116	170.809	ug/l	90
52) Toluene	10.504	92	147468	27.418	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	94773	28.591	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	102941	29.400	ug/l #	85
55) 1,1,2-Trichloroethane	10.892	97	64582	28.425	ug/l	98
56) Ethyl methacrylate	10.757	69	105256	31.079	ug/l #	75
57) 1,3-Dichloropropane	11.039	76	111899	28.810	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	229601	252.680	ug/l	93
59) 2-Hexanone	11.080	43	449132	171.925	ug/l	88
60) Dibromochloromethane	11.233	129	65599	27.259	ug/l	100
61) 1,2-Dibromoethane	11.345	107	62726	27.739	ug/l	98
64) Tetrachloroethene	10.974	164	45596	21.765	ug/l #	83
65) Chlorobenzene	11.768	112	147910	24.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	59221	23.996	ug/l	99
67) Ethyl Benzene	11.839	91	283919	26.453	ug/l	96
68) m/p-Xylenes	11.951	106	196648	49.096	ug/l	90
69) o-Xylene	12.274	106	101812	25.688	ug/l	90
70) Styrene	12.292	104	158287	25.948	ug/l	94
71) Bromoform	12.457	173	40681	22.553	ug/l #	98
73) Isopropylbenzene	12.574	105	264803	23.807	ug/l	98
74) N-amyl acetate	12.386	43	127087	29.648	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.821	83	95509	23.156	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	94431m	25.919	ug/l	
77) Bromobenzene	12.857	156	52788	20.386	ug/l	70
78) n-propylbenzene	12.915	91	293716	24.519	ug/l	94
79) 2-Chlorotoluene	13.004	91	183562	23.438	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	220158	24.338	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.621	75	28399	25.379	ug/l #	83
82) 4-Chlorotoluene	13.104	91	169821	22.961	ug/l	93
83) tert-Butylbenzene	13.321	119	189538	23.889	ug/l	89
84) 1,2,4-Trimethylbenzene	13.362	105	208450	23.566	ug/l	93
85) sec-Butylbenzene	13.498	105	258326	24.231	ug/l	97
86) p-Isopropyltoluene	13.610	119	202320	24.458	ug/l	94
87) 1,3-Dichlorobenzene	13.615	146	88642	19.806	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	88942	19.899	ug/l	95
89) n-Butylbenzene	13.939	91	161818	25.038	ug/l	97
90) Hexachloroethane	14.209	117	41631	24.614	ug/l	74
91) 1,2-Dichlorobenzene	13.986	146	92245	20.635	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	21359	28.854	ug/l	71
93) 1,2,4-Trichlorobenzene	15.256	180	41796	24.206	ug/l	96
94) Hexachlorobutadiene	15.362	225	19679	17.922	ug/l	98
95) Naphthalene	15.504	128	166601	31.103	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	42799	24.531	ug/l	95

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

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