

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059831.D
 Acq On : 22 Jan 2020 16:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 10:14:45 AM

Quant Time: Jan 22 18:16:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	202771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140292	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	111052	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	7.56	113	95911	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
50) Toluene-d8	10.08	98	364776	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	132800	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	117039	48.946	ug/l	100
3) Chloromethane	2.04	50	106104	45.706	ug/l	100
4) Vinyl Chloride	2.17	62	135079	50.855	ug/l	97
5) Bromomethane	2.53	94	90010	55.528	ug/l	97
6) Chloroethane	2.68	64	64757	51.532	ug/l	99
7) Trichlorofluoromethane	3.00	101	166707	52.261	ug/l	99
8) Diethyl Ether	3.38	74	58679	52.417	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.73	101	97410	54.867	ug/l	92
10) Methyl Iodide	3.92	142	146648	51.102	ug/l	95
11) Tert butyl alcohol	4.72	59	84976	224.162	ug/l	99
12) 1,1-Dichloroethene	3.71	96	94111	50.730	ug/l	88
13) Acrolein	3.57	56	74113	276.186	ug/l	98
14) Allyl chloride	4.29	41	125969	50.377	ug/l #	84
15) Acrylonitrile	4.94	53	211421	244.497	ug/l	100
16) Acetone	3.78	43	171635	222.367	ug/l	94
17) Carbon Disulfide	4.03	76	246878	46.716	ug/l	99
18) Methyl Acetate	4.28	43	127651	48.531	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	313730	51.868	ug/l	95
20) Methylene Chloride	4.52	84	105583	51.874	ug/l	87
21) trans-1,2-Dichloroethene	5.00	96	99493	50.453	ug/l	87
22) Diisopropyl ether	5.91	45	290537	51.272	ug/l #	96
23) Vinyl Acetate	5.85	43	1094109	249.379	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	179128	51.735	ug/l	98
25) 2-Butanone	6.79	43	271406	212.835	ug/l	91
26) 2,2-Dichloropropane	6.79	77	172847	51.926	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	117871	51.968	ug/l	88
28) Bromochloromethane	7.17	49	68601	49.571	ug/l #	70
29) Tetrahydrofuran	7.18	42	177678	225.197	ug/l #	87
30) Chloroform	7.34	83	190772	53.177	ug/l	99
31) Cyclohexane	7.63	56	152530	45.781	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	174252	52.532	ug/l	95
36) 1,1-Dichloropropene	7.77	75	140515	51.656	ug/l	95
37) Ethyl Acetate	6.89	43	117738	46.148	ug/l	97
38) Carbon Tetrachloride	7.75	117	157378	53.185	ug/l	99

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39) Methylcyclohexane	9.06	83	169504	50.536	ug/l	90
40) Benzene	8.02	78	416436	51.331	ug/l	100
41) Methacrylonitrile	7.15	41	55916m	44.495	ug/l	
42) 1,2-Dichloroethane	8.10	62	145825	53.015	ug/l	97
43) Isopropyl Acetate	8.14	43	209856	47.821	ug/l #	94
44) Trichloroethene	8.81	130	122005	55.089	ug/l	96
45) 1,2-Dichloropropane	9.10	63	105671	52.638	ug/l	100
46) Dibromomethane	9.19	93	74882	52.879	ug/l	91
47) Bromodichloromethane	9.38	83	155560	54.512	ug/l	99
48) Methyl methacrylate	9.18	41	91509	46.619	ug/l	87
49) 1,4-Dioxane	9.18	88	36885	1026.463	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	589175	232.251	ug/l	94
52) Toluene	10.14	92	271473	52.977	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	172422	54.112	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	182972	54.575	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	108415	53.418	ug/l	97
56) Ethyl methacrylate	10.42	69	154438	49.800	ug/l	92
57) 1,3-Dichloropropane	10.70	76	173502	53.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	260657	279.053	ug/l	90
59) 2-Hexanone	10.74	43	421395	225.481	ug/l	93
60) Dibromochloromethane	10.89	129	126878	54.898	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114277	53.722	ug/l	98
64) Tetrachloroethene	10.62	164	126514	54.073	ug/l	95
65) Chlorobenzene	11.43	112	300229	53.208	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116644	53.500	ug/l	99
67) Ethyl Benzene	11.50	91	539314	52.652	ug/l	98
68) m/p-Xylenes	11.62	106	412174	106.527	ug/l	93
69) o-Xylene	11.94	106	197536	52.148	ug/l	95
70) Styrene	11.96	104	331826	52.350	ug/l	97
71) Bromoform	12.12	173	95331	54.586	ug/l #	100
73) Isopropylbenzene	12.25	105	536422	52.136	ug/l	99
74) N-amyl acetate	12.06	43	181723	45.517	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	144036	48.289	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	131491m	55.694	ug/l	
77) Bromobenzene	12.52	156	137794	52.885	ug/l	80
78) n-propylbenzene	12.59	91	607398	52.596	ug/l	97
79) 2-Chlorotoluene	12.67	91	351648	51.185	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	450012	52.007	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54639	49.699	ug/l	92
82) 4-Chlorotoluene	12.77	91	363615	52.768	ug/l	95
83) tert-Butylbenzene	12.99	119	389304	52.020	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	455566	53.217	ug/l	99
85) sec-Butylbenzene	13.17	105	515601	52.438	ug/l	99
86) p-Isopropyltoluene	13.28	119	479337	52.686	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	242625	53.607	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	238877	52.906	ug/l	98
89) n-Butylbenzene	13.61	91	410956	52.977	ug/l	98
90) Hexachloroethane	13.87	117	89792	52.750	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	232938	52.060	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29218	45.448	ug/l	82

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93) 1,2,4-Trichlorobenzene	14.91	180	140931	52.418	ug/l	99
94) Hexachlorobutadiene	15.01	225	76330	51.519	ug/l	99
95) Naphthalene	15.13	128	359087	46.955	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	131975	50.430	ug/l	99

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

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