

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062334.D
 Acq On : 2 Jul 2020 9:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:03:27 PM

Quant Time: Jul 02 11:14:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	212144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181145	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	182880	61.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.86%	
35) Dibromofluoromethane	7.55	113	137951	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	10.06	98	559162	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.38	95	191631	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	109818	45.797	ug/l	98
3) Chloromethane	2.03	50	152959	54.297	ug/l	100
4) Vinyl Chloride	2.16	62	178529	47.277	ug/l	99
5) Bromomethane	2.52	94	104522	42.827	ug/l	100
6) Chloroethane	2.66	64	123112	47.725	ug/l	97
7) Trichlorofluoromethane	2.98	101	202484	43.516	ug/l	99
8) Diethyl Ether	3.37	74	89445	55.050	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	120942	49.634	ug/l	97
10) Methyl Iodide	3.91	142	150620	54.886	ug/l	100
11) Tert butyl alcohol	4.73	59	114966	268.961	ug/l	100
12) 1,1-Dichloroethene	3.69	96	122460	50.272	ug/l	95
13) Acrolein	3.56	56	106187	253.736	ug/l	97
14) Allyl chloride	4.27	41	183928	55.459	ug/l	98
15) Acrylonitrile	4.93	53	357189	306.652	ug/l	99
16) Acetone	3.77	43	284777	305.650	ug/l	97
17) Carbon Disulfide	4.01	76	343363	49.213	ug/l	100
18) Methyl Acetate	4.28	43	154429	65.253	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	453441	58.254	ug/l	96
20) Methylene Chloride	4.50	84	155774	57.029	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	138663	49.969	ug/l	93
22) Diisopropyl ether	5.90	45	462357	61.229	ug/l	97
23) Vinyl Acetate	5.84	43	1905986	309.151	ug/l	97
24) 1,1-Dichloroethane	5.80	63	271413	55.816	ug/l	99
25) 2-Butanone	6.79	43	441693	303.535	ug/l	95
26) 2,2-Dichloropropane	6.78	77	134858	33.281	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	160611	51.435	ug/l	100
28) Bromochloromethane	7.15	49	117988	55.924	ug/l	88
29) Tetrahydrofuran	7.17	42	301175	315.961	ug/l	96
30) Chloroform	7.33	83	267719	54.114	ug/l	99
31) Cyclohexane	7.61	56	216399	52.612	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	214344	51.374	ug/l	97
36) 1,1-Dichloropropene	7.75	75	196788	48.202	ug/l	98
37) Ethyl Acetate	6.88	43	195621	57.867	ug/l	98
38) Carbon Tetrachloride	7.73	117	179299	46.584	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	214656	47.988	ug/l	98
40) Benzene	8.00	78	619940	49.821	ug/l	99
41) Methacrylonitrile	7.12	41	77369	49.366	ug/l	93
42) 1,2-Dichloroethane	8.09	62	217856	51.819	ug/l	98
43) Isopropyl Acetate	8.13	43	313837	56.949	ug/l	98
44) Trichloroethene	8.80	130	138680	44.181	ug/l	92
45) 1,2-Dichloropropane	9.09	63	165584	53.939	ug/l	99
46) Dibromomethane	9.18	93	105474	50.675	ug/l	95
47) Bromodichloromethane	9.37	83	218160	51.911	ug/l	99
48) Methyl methacrylate	9.17	41	151168	61.179	ug/l	93
49) 1,4-Dioxane	9.17	88	51933	947.760	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	981464	304.826	ug/l	98
52) Toluene	10.12	92	386179	50.864	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	227112	49.120	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	244837	49.738	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	157616	52.812	ug/l	99
56) Ethyl methacrylate	10.40	69	232348	58.336	ug/l	96
57) 1,3-Dichloropropane	10.68	76	274348	53.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	445013	261.629	ug/l	95
59) 2-Hexanone	10.72	43	717023	308.400	ug/l	98
60) Dibromochloromethane	10.87	129	159289	50.412	ug/l	99
61) 1,2-Dibromoethane	10.98	107	155184	50.604	ug/l	100
64) Tetrachloroethene	10.60	164	111027	42.383	ug/l	96
65) Chlorobenzene	11.41	112	397899	47.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	143990	49.446	ug/l	100
67) Ethyl Benzene	11.48	91	729199	51.270	ug/l	98
68) m/p-Xylenes	11.60	106	555374	100.956	ug/l	97
69) o-Xylene	11.92	106	262859	50.643	ug/l	96
70) Styrene	11.94	104	457804	52.887	ug/l	97
71) Bromoform	12.10	173	103441	49.960	ug/l #	98
73) Isopropylbenzene	12.22	105	704187	50.220	ug/l	99
74) N-amyl acetate	12.04	43	285384	54.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	243538	52.192	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	232376m	54.493	ug/l	
77) Bromobenzene	12.50	156	162218	46.598	ug/l	90
78) n-propylbenzene	12.57	91	834381	52.021	ug/l	98
79) 2-Chlorotoluene	12.65	91	489295	50.461	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	595227	52.364	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	69471	47.577	ug/l	98
82) 4-Chlorotoluene	12.75	91	512748	51.136	ug/l	97
83) tert-Butylbenzene	12.97	119	483503	49.702	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	591405	52.094	ug/l	99
85) sec-Butylbenzene	13.15	105	677700	52.722	ug/l	98
86) p-Isopropyltoluene	13.26	119	591690	52.539	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	298677	48.859	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	298173	47.319	ug/l	99
89) n-Butylbenzene	13.59	91	492299	52.580	ug/l	99
90) Hexachloroethane	13.85	117	113978	51.584	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	293305	49.479	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42168	56.412	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	127736	49.327	ug/l	98
94) Hexachlorobutadiene	14.98	225	51418	45.716	ug/l	99
95) Naphthalene	15.10	128	388495	45.394	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	131002	49.474	ug/l	99

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

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