

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063719.D
 Acq On : 28 Sep 2020 20:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 4:38:16 PM

Quant Time: Sep 29 05:11:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	297615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	477346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	232446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	246735	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	7.55	113	171517	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	10.06	98	631595	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.38	95	247861	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	136367	40.444	ug/l	100
3) Chloromethane	2.04	50	166560	37.342	ug/l	98
4) Vinyl Chloride	2.16	62	170990	43.268	ug/l	99
5) Bromomethane	2.52	94	77341	32.962	ug/l	99
6) Chloroethane	2.67	64	108479	44.719	ug/l	95
7) Trichlorofluoromethane	2.98	101	273158	46.329	ug/l	100
8) Diethyl Ether	3.37	74	100584	43.761	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	144905	43.701	ug/l	97
10) Methyl Iodide	3.91	142	141419	32.758	ug/l	98
11) Tert butyl alcohol	4.73	59	148559	211.669	ug/l	99
12) 1,1-Dichloroethene	3.70	96	140367	41.794	ug/l	98
13) Acrolein	3.57	56	55294	212.592	ug/l	98
14) Allyl chloride	4.28	41	269921	40.630	ug/l	98
15) Acrylonitrile	4.93	53	404783	226.735	ug/l	99
16) Acetone	3.77	43	369537	226.962	ug/l	99
17) Carbon Disulfide	4.01	76	354330	36.270	ug/l	99
18) Methyl Acetate	4.28	43	206663	49.999	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	561115	44.827	ug/l	98
20) Methylene Chloride	4.51	84	171050	41.464	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	153228	41.179	ug/l	97
22) Diisopropyl ether	5.90	45	590835	43.608	ug/l	99
23) Vinyl Acetate	5.84	43	2472696	222.220	ug/l	99
24) 1,1-Dichloroethane	5.80	63	317931	42.981	ug/l	99
25) 2-Butanone	6.78	43	562248	224.529	ug/l	100
26) 2,2-Dichloropropane	6.78	77	237637	36.488	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	185680	44.087	ug/l	98
28) Bromochloromethane	7.15	49	145837	42.699	ug/l	93
29) Tetrahydrofuran	7.16	42	373727	218.521	ug/l	98
30) Chloroform	7.33	83	336247	45.308	ug/l	99
31) Cyclohexane	7.61	56	258591	36.958	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	302402	45.813	ug/l	99
36) 1,1-Dichloropropene	7.76	75	234833	43.775	ug/l	99
37) Ethyl Acetate	6.88	43	247745	47.054	ug/l	99
38) Carbon Tetrachloride	7.74	117	260515	47.572	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	238547	40.971	ug/l	98
40) Benzene	8.00	78	682740	44.583	ug/l	100
41) Methacrylonitrile	7.14	41	119109m	50.298	ug/l	
42) 1,2-Dichloroethane	8.09	62	296111	48.082	ug/l	99
43) Isopropyl Acetate	8.13	43	426904	45.345	ug/l #	90
44) Trichloroethene	8.80	130	178077	47.943	ug/l	97
45) 1,2-Dichloropropane	9.08	63	186045	44.606	ug/l	97
46) Dibromomethane	9.18	93	129132	47.106	ug/l	96
47) Bromodichloromethane	9.37	83	273712	48.061	ug/l	99
48) Methyl methacrylate	9.17	41	211887	45.809	ug/l	97
49) 1,4-Dioxane	9.16	88	59731	899.861	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	1272089	241.355	ug/l	99
52) Toluene	10.13	92	441165	47.915	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	291834	45.901	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	302663	45.131	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	178908	48.920	ug/l	99
56) Ethyl methacrylate	10.40	69	274701	48.115	ug/l	99
57) 1,3-Dichloropropane	10.68	76	303101	45.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	663906	221.673	ug/l	96
59) 2-Hexanone	10.72	43	939233	245.975	ug/l	99
60) Dibromochloromethane	10.87	129	207478	50.217	ug/l	99
61) 1,2-Dibromoethane	10.98	107	187386	49.318	ug/l	99
64) Tetrachloroethene	10.60	164	160510	49.382	ug/l	99
65) Chlorobenzene	11.41	112	469420	46.327	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	181959	48.989	ug/l	98
67) Ethyl Benzene	11.49	91	877983	46.011	ug/l	98
68) m/p-Xylenes	11.59	106	637045	92.594	ug/l	99
69) o-Xylene	11.92	106	308783	47.114	ug/l	100
70) Styrene	11.94	104	532450	48.445	ug/l	99
71) Bromoform	12.10	173	140990	50.953	ug/l #	99
73) Isopropylbenzene	12.23	105	843789	45.299	ug/l	99
74) N-amyl acetate	12.05	43	399268	45.282	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	258864	44.883	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	243150m	42.262	ug/l	
77) Bromobenzene	12.50	156	211931	50.580	ug/l	87
78) n-propylbenzene	12.57	91	993582	45.798	ug/l	98
79) 2-Chlorotoluene	12.65	91	593324	45.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	722185	46.495	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	84760	40.390	ug/l	95
82) 4-Chlorotoluene	12.75	91	622427	45.297	ug/l	99
83) tert-Butylbenzene	12.97	119	588003	45.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	746645	47.590	ug/l	99
85) sec-Butylbenzene	13.15	105	763923	44.518	ug/l	99
86) p-Isopropyltoluene	13.26	119	692461	45.752	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	364908	46.988	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	370943	46.980	ug/l	99
89) n-Butylbenzene	13.59	91	610056	43.729	ug/l	99
90) Hexachloroethane	13.85	117	134362	46.621	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	363931	47.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	61848	45.033	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	207728	46.214	ug/l	99
94) Hexachlorobutadiene	14.98	225	96854	52.048	ug/l	98
95) Naphthalene	15.10	128	698289	47.022	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	199424	45.918	ug/l	99

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

