

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\
 Data File : VN062658.D
 Acq On : 30 Jul 2020 9:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 11:56:45 AM

Quant Time: Jul 31 04:28:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	175696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	269374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	256829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	128845	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
35) Dibromofluoromethane	7.54	113	88677	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.06	98	345664	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.37	95	132329	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	98178	46.847	ug/l	97
3) Chloromethane	2.03	50	109959	38.684	ug/l	100
4) Vinyl Chloride	2.16	62	100616	40.832	ug/l	99
5) Bromomethane	2.51	94	52807	48.384	ug/l	96
6) Chloroethane	2.66	64	55888	50.140	ug/l	97
7) Trichlorofluoromethane	2.98	101	153611	53.095	ug/l	99
8) Diethyl Ether	3.37	74	52585	38.868	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.71	101	83209	44.858	ug/l	98
10) Methyl Iodide	3.91	142	116333	49.056	ug/l	96
11) Tert butyl alcohol	4.73	59	84997	195.761	ug/l	98
12) 1,1-Dichloroethene	3.69	96	78648	41.806	ug/l	98
13) Acrolein	3.56	56	73867	166.066	ug/l	100
14) Allyl chloride	4.27	41	170734	41.956	ug/l	93
15) Acrylonitrile	4.93	53	255604	219.788	ug/l	99
16) Acetone	3.77	43	304137	296.119	ug/l	98
17) Carbon Disulfide	4.00	76	257249	41.618	ug/l	99
18) Methyl Acetate	4.27	43	121481	46.721	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	325607	47.025	ug/l	98
20) Methylene Chloride	4.50	84	106531	43.246	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	94944	45.472	ug/l	99
22) Diisopropyl ether	5.90	45	355982	44.009	ug/l	97
23) Vinyl Acetate	5.84	43	1475535	222.628	ug/l	99
24) 1,1-Dichloroethane	5.79	63	197645	45.375	ug/l	99
25) 2-Butanone	6.78	43	377435	241.295	ug/l	99
26) 2,2-Dichloropropane	6.77	77	182194	50.953	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	108375	45.487	ug/l	99
28) Bromochloromethane	7.14	49	95178	44.401	ug/l	95
29) Tetrahydrofuran	7.16	42	220473	208.302	ug/l	96
30) Chloroform	7.32	83	199449	48.159	ug/l	99
31) Cyclohexane	7.61	56	172865	42.983	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	177153	51.234	ug/l	99
36) 1,1-Dichloropropene	7.75	75	150885	52.550	ug/l	99
37) Ethyl Acetate	6.88	43	142017	45.885	ug/l	100
38) Carbon Tetrachloride	7.73	117	157203	56.960	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	162744	52.655	ug/l	97
40) Benzene	8.00	78	427836	49.219	ug/l	98
41) Methacrylonitrile	7.13	41	66171m	49.885	ug/l	
42) 1,2-Dichloroethane	8.08	62	172543	54.294	ug/l	98
43) Isopropyl Acetate	8.12	43	239387	47.979	ug/l	99
44) Trichloroethene	8.80	130	99007	50.507	ug/l	99
45) 1,2-Dichloropropane	9.08	63	116905	47.900	ug/l	100
46) Dibromomethane	9.17	93	72662	51.511	ug/l	97
47) Bromodichloromethane	9.37	83	160663	52.572	ug/l	98
48) Methyl methacrylate	9.16	41	116121	48.959	ug/l	99
49) 1,4-Dioxane	9.17	88	33272	913.357	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	730052	244.543	ug/l	99
52) Toluene	10.12	92	264459	52.394	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	181033	53.213	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	189318	51.861	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	102224	52.212	ug/l	96
56) Ethyl methacrylate	10.40	69	162991	46.491	ug/l	97
57) 1,3-Dichloropropane	10.68	76	182057	50.757	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	248994	236.015	ug/l	100
59) 2-Hexanone	10.72	43	569560	246.730	ug/l	100
60) Dibromochloromethane	10.87	129	120273	55.066	ug/l	100
61) 1,2-Dibromoethane	10.98	107	101746	49.907	ug/l	98
64) Tetrachloroethene	10.60	164	87129	52.214	ug/l	97
65) Chlorobenzene	11.40	112	272169	50.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	106955	52.803	ug/l	98
67) Ethyl Benzene	11.48	91	515664	52.234	ug/l	99
68) m/p-Xylenes	11.59	106	385291	108.584	ug/l	100
69) o-Xylene	11.92	106	178339	52.928	ug/l	98
70) Styrene	11.94	104	314116	55.187	ug/l	99
71) Bromoform	12.10	173	83502	54.905	ug/l #	98
73) Isopropylbenzene	12.22	105	503981	50.195	ug/l	99
74) N-amyl acetate	12.04	43	213071	47.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	153425	43.974	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	146187m	45.230	ug/l	
77) Bromobenzene	12.50	156	113891	47.201	ug/l	97
78) n-propylbenzene	12.56	91	598075	50.853	ug/l	99
79) 2-Chlorotoluene	12.65	91	357224	49.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	443220	53.218	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	55840	48.095	ug/l	97
82) 4-Chlorotoluene	12.75	91	375322	49.749	ug/l	99
83) tert-Butylbenzene	12.97	119	361887	52.329	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	442320	54.138	ug/l	97
85) sec-Butylbenzene	13.15	105	491837	53.122	ug/l	100
86) p-Isopropyltoluene	13.26	119	445445	55.939	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	212570	50.202	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	209745	50.320	ug/l	99
89) n-Butylbenzene	13.59	91	374360	54.713	ug/l	99
90) Hexachloroethane	13.85	117	84315	49.738	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	205902	50.856	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31922	50.392	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	99997	47.161	ug/l	98
94) Hexachlorobutadiene	14.98	225	67854	62.055	ug/l	99
95) Naphthalene	15.10	128	237930	42.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	99402	52.097	ug/l	99

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

