

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060051.D
 Acq On : 10 Feb 2020 17:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 11:03:53 AM

Quant Time: Feb 11 07:52:49 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	187356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	110189	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	7.57	113	90537	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.08	98	335968	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.40	95	129928	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79632	35.903	ug/l	96
3) Chloromethane	2.04	50	86118	40.148	ug/l	99
4) Vinyl Chloride	2.17	62	113546	46.265	ug/l	98
5) Bromomethane	2.54	94	64527	43.083	ug/l	100
6) Chloroethane	2.68	64	53356	45.953	ug/l	100
7) Trichlorofluoromethane	3.00	101	135031	45.814	ug/l	98
8) Diethyl Ether	3.39	74	51031	49.336	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80099	48.829	ug/l	94
10) Methyl Iodide	3.93	142	106120	40.022	ug/l	97
11) Tert butyl alcohol	4.73	59	84163	240.284	ug/l	99
12) 1,1-Dichloroethene	3.72	96	75008	43.759	ug/l	90
13) Acrolein	3.58	56	73588	296.792	ug/l	98
14) Allyl chloride	4.30	41	112317	48.613	ug/l #	86
15) Acrylonitrile	4.94	53	218337	273.270	ug/l	99
16) Acetone	3.78	43	190486	269.193	ug/l	97
17) Carbon Disulfide	4.03	76	170507	34.919	ug/l	99
18) Methyl Acetate	4.29	43	133573	54.961	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	292856	52.401	ug/l	95
20) Methylene Chloride	4.52	84	90597	48.078	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	83277	45.705	ug/l	87
22) Diisopropyl ether	5.92	45	277869	53.071	ug/l	94
23) Vinyl Acetate	5.86	43	1078082	265.943	ug/l	96
24) 1,1-Dichloroethane	5.82	63	161871	50.597	ug/l	98
25) 2-Butanone	6.80	43	289128	245.387	ug/l	92
26) 2,2-Dichloropropane	6.80	77	151749	49.339	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	103194	49.241	ug/l	91
28) Bromochloromethane	7.17	49	65915	51.549	ug/l #	78
29) Tetrahydrofuran	7.18	42	190480	261.287	ug/l	90
30) Chloroform	7.35	83	176801	53.337	ug/l	100
31) Cyclohexane	7.63	56	128106	41.614	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	157170	51.281	ug/l	96
36) 1,1-Dichloropropene	7.77	75	121330	46.033	ug/l	96
37) Ethyl Acetate	6.90	43	119220	48.227	ug/l	96
38) Carbon Tetrachloride	7.75	117	136438	47.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142105	43.726	ug/l	92
40) Benzene	8.02	78	366520	46.627	ug/l	99
41) Methacrylonitrile	7.15	41	55979m	45.973	ug/l	
42) 1,2-Dichloroethane	8.10	62	138584	51.998	ug/l	98
43) Isopropyl Acetate	8.14	43	212588	49.996	ug/l	96
44) Trichloroethene	8.82	130	100882	47.012	ug/l	93
45) 1,2-Dichloropropane	9.10	63	98475	50.626	ug/l	98
46) Dibromomethane	9.19	93	69238	50.461	ug/l	93
47) Bromodichloromethane	9.39	83	145095	52.475	ug/l	99
48) Methyl methacrylate	9.18	41	95132	50.018	ug/l	92
49) 1,4-Dioxane	9.18	88	31087	892.849	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	648584	263.867	ug/l	96
52) Toluene	10.14	92	241320	48.603	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	160258	51.907	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	167850	51.670	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	104221	52.998	ug/l	95
56) Ethyl methacrylate	10.42	69	151545	50.434	ug/l	94
57) 1,3-Dichloropropane	10.70	76	163893	52.495	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	256400	283.296	ug/l	93
59) 2-Hexanone	10.74	43	474222	261.883	ug/l	95
60) Dibromochloromethane	10.89	129	118737	53.023	ug/l	100
61) 1,2-Dibromoethane	11.00	107	106263	51.556	ug/l	99
64) Tetrachloroethene	10.62	164	88224	38.310	ug/l	96
65) Chlorobenzene	11.43	112	267470	48.159	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	107571	50.126	ug/l	99
67) Ethyl Benzene	11.51	91	483295	47.936	ug/l	98
68) m/p-Xylenes	11.62	106	359854	94.489	ug/l	96
69) o-Xylene	11.94	106	175782	47.146	ug/l	97
70) Styrene	11.96	104	295380	47.344	ug/l	98
71) Bromoform	12.12	173	92279	53.682	ug/l #	99
73) Isopropylbenzene	12.25	105	485213	45.789	ug/l	99
74) N-amyl acetate	12.06	43	194737	47.359	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	157052	51.123	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	137691m	56.625	ug/l	
77) Bromobenzene	12.52	156	122969	45.824	ug/l	87
78) n-propylbenzene	12.59	91	553246	46.515	ug/l	99
79) 2-Chlorotoluene	12.67	91	329080	46.509	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	407222	45.694	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	56144	49.584	ug/l	96
82) 4-Chlorotoluene	12.77	91	336644	47.435	ug/l	97
83) tert-Butylbenzene	12.99	119	360655	46.791	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	409029	46.393	ug/l	99
85) sec-Butylbenzene	13.17	105	478062	47.208	ug/l	99
86) p-Isopropyltoluene	13.28	119	439516	46.905	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	222757	47.787	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	219909	47.290	ug/l	98
89) n-Butylbenzene	13.61	91	383549	48.007	ug/l	99
90) Hexachloroethane	13.87	117	84041	47.937	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	217542	47.206	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33076	50.170	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	137197	49.546	ug/l	98
94) Hexachlorobutadiene	15.01	225	71412	46.799	ug/l	98
95) Naphthalene	15.13	128	381412	48.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133120	49.390	ug/l	100

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

