

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060889.D
 Acq On : 7 Apr 2020 19:50
 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
 4/8/2020 9:38:59 AM

Quant Time: Apr 08 06:37:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132407	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	101193	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.08	98	399205	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	148270	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	79184	42.643	ug/l 98
3) Chloromethane	2.04	50	141393	40.770	ug/l 99
4) Vinyl Chloride	2.17	62	113296	41.767	ug/l 99
5) Bromomethane	2.54	94	57276	48.913	ug/l 98
6) Chloroethane	2.69	64	72875	46.637	ug/l 100
7) Trichlorofluoromethane	3.00	101	155390	46.503	ug/l 100
8) Diethyl Ether	3.38	74	64882	48.334	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	94437	48.774	ug/l 99
10) Methyl Iodide	3.93	142	72011	41.796	ug/l 100
11) Tert butyl alcohol	4.72	59	83826	216.352	ug/l 99
12) 1,1-Dichloroethene	3.72	96	93109	44.811	ug/l 98
13) Acrolein	3.57	56	87955	204.827	ug/l 99
14) Allyl chloride	4.29	41	173303	47.423	ug/l 97
15) Acrylonitrile	4.94	53	278414	244.365	ug/l 99
16) Acetone	3.78	43	213934	229.249	ug/l 99
17) Carbon Disulfide	4.03	76	261380	41.363	ug/l 100
18) Methyl Acetate	4.29	43	136367	51.916	ug/l 99
19) Methyl tert-butyl Ether	5.00	73	338279	47.353	ug/l 98
20) Methylene Chloride	4.52	84	108003	47.048	ug/l 99
21) trans-1,2-Dichloroethene	5.01	96	101157	45.680	ug/l 94
22) Diisopropyl ether	5.91	45	387137	50.143	ug/l 98
23) Vinyl Acetate	5.86	43	1565563	248.527	ug/l 99
24) 1,1-Dichloroethane	5.81	63	204615	48.615	ug/l 100
25) 2-Butanone	6.80	43	357753	236.912	ug/l 98
26) 2,2-Dichloropropane	6.80	77	159176	48.068	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	120237	47.780	ug/l 99
28) Bromochloromethane	7.17	49	102515	50.908	ug/l 99
29) Tetrahydrofuran	7.18	42	247196	231.363	ug/l 98
30) Chloroform	7.35	83	194398	48.179	ug/l 99
31) Cyclohexane	7.63	56	187770	44.252	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	167498	48.154	ug/l 99
36) 1,1-Dichloropropene	7.77	75	147930	47.861	ug/l 100
37) Ethyl Acetate	6.89	43	156367	46.820	ug/l 99
38) Carbon Tetrachloride	7.75	117	134462	48.539	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	175850	47.875	ug/l	98
40) Benzene	8.02	78	447844	47.998	ug/l	99
41) Methacrylonitrile	7.15	41	73089m	51.280	ug/l	
42) 1,2-Dichloroethane	8.10	62	156536	49.090	ug/l	99
43) Isopropyl Acetate	8.14	43	266417	48.370	ug/l	99
44) Trichloroethene	8.82	130	112158	47.684	ug/l	100
45) 1,2-Dichloropropane	9.10	63	124062	50.390	ug/l	99
46) Dibromomethane	9.19	93	74076	49.767	ug/l	99
47) Bromodichloromethane	9.39	83	155701	50.340	ug/l	98
48) Methyl methacrylate	9.18	41	118068	48.147	ug/l	99
49) 1,4-Dioxane	9.18	88	28378	973.584	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	773351	246.744	ug/l	99
52) Toluene	10.14	92	272818	48.415	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	176523	49.685	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	190469	48.867	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	107412	49.547	ug/l	99
56) Ethyl methacrylate	10.42	69	170933	50.569	ug/l	99
57) 1,3-Dichloropropane	10.70	76	187062	49.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	389408	231.790	ug/l	99
59) 2-Hexanone	10.74	43	547312	242.415	ug/l	100
60) Dibromochloromethane	10.89	129	114090	50.949	ug/l	100
61) 1,2-Dibromoethane	10.99	107	107500	49.314	ug/l	99
64) Tetrachloroethene	10.62	164	104633	45.107	ug/l	100
65) Chlorobenzene	11.43	112	281230	48.125	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	104474	49.378	ug/l	99
67) Ethyl Benzene	11.50	91	529765	48.749	ug/l	100
68) m/p-Xylenes	11.62	106	389118	96.356	ug/l	99
69) o-Xylene	11.94	106	188113	48.796	ug/l	100
70) Styrene	11.96	104	310466	49.242	ug/l	99
71) Bromoform	12.12	173	81729	46.595	ug/l #	100
73) Isopropylbenzene	12.24	105	504695	46.895	ug/l	100
74) N-amyl acetate	12.06	43	229208	46.089	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	156026	47.940	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142935m	46.190	ug/l	
77) Bromobenzene	12.52	156	121823	46.975	ug/l	98
78) n-propylbenzene	12.59	91	603472	47.462	ug/l	99
79) 2-Chlorotoluene	12.67	91	352117	46.348	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	428136	46.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54587	45.305	ug/l	99
82) 4-Chlorotoluene	12.77	91	366100	47.314	ug/l	99
83) tert-Butylbenzene	12.99	119	358703	47.378	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	427216	47.282	ug/l	100
85) sec-Butylbenzene	13.17	105	499607	49.073	ug/l	99
86) p-Isopropyltoluene	13.28	119	442960	48.385	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	218440	47.758	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	218231	47.490	ug/l	100
89) n-Butylbenzene	13.61	91	412626	49.921	ug/l	100
90) Hexachloroethane	13.87	117	70753	53.168	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	212224	48.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30646	44.929	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	133500	49.707	ug/l	100
94) Hexachlorobutadiene	15.01	225	66274	50.337	ug/l	99
95) Naphthalene	15.13	128	366283	45.342	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125985	47.624	ug/l	100

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

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