

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060866.D
 Acq On : 6 Apr 2020 20:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 3:21:51 PM

Quant Time: Apr 07 08:59:59 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	181543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131177	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.56	113	97821	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.08	98	382331	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.40	95	143103	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76673	43.649	ug/l	100
3) Chloromethane	2.04	50	147766	45.041	ug/l	100
4) Vinyl Chloride	2.17	62	116238	45.298	ug/l	100
5) Bromomethane	2.54	94	57511	51.918	ug/l	100
6) Chloroethane	2.69	64	73708	49.864	ug/l	98
7) Trichlorofluoromethane	3.00	101	152477	48.237	ug/l	100
8) Diethyl Ether	3.38	74	67184	52.908	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90029	49.152	ug/l	99
10) Methyl Iodide	3.93	142	71619	43.943	ug/l	99
11) Tert butyl alcohol	4.72	59	99279	270.870	ug/l	99
12) 1,1-Dichloroethene	3.72	96	94242	47.947	ug/l	97
13) Acrolein	3.57	56	96265	236.982	ug/l	100
14) Allyl chloride	4.29	41	173616	50.222	ug/l	97
15) Acrylonitrile	4.94	53	304343	282.378	ug/l	99
16) Acetone	3.78	43	243857	276.238	ug/l	99
17) Carbon Disulfide	4.03	76	262227	43.867	ug/l	99
18) Methyl Acetate	4.28	43	143476	57.742	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	352492	52.161	ug/l	97
20) Methylene Chloride	4.52	84	110127	50.713	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	101287	48.351	ug/l	97
22) Diisopropyl ether	5.91	45	398107	54.509	ug/l	96
23) Vinyl Acetate	5.86	43	1649866	276.867	ug/l	99
24) 1,1-Dichloroethane	5.82	63	208728	52.424	ug/l	100
25) 2-Butanone	6.80	43	405275	283.709	ug/l	99
26) 2,2-Dichloropropane	6.80	77	152569	48.704	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	121264	50.940	ug/l	99
28) Bromochloromethane	7.17	49	105512	55.389	ug/l	100
29) Tetrahydrofuran	7.18	42	277342	274.403	ug/l	98
30) Chloroform	7.35	83	198464	51.996	ug/l	100
31) Cyclohexane	7.63	56	180395	44.942	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	167639	50.947	ug/l	99
36) 1,1-Dichloropropene	7.77	75	146074	48.539	ug/l	100
37) Ethyl Acetate	6.89	43	172016	52.900	ug/l	99
38) Carbon Tetrachloride	7.75	117	132748	49.217	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	166885	46.664	ug/l	98
40) Benzene	8.02	78	452299	49.787	ug/l	99
41) Methacrylonitrile	7.14	41	80347m	57.898	ug/l	
42) 1,2-Dichloroethane	8.10	62	160165	51.588	ug/l	99
43) Isopropyl Acetate	8.14	43	285847	53.303	ug/l	99
44) Trichloroethene	8.82	130	112930	49.311	ug/l	100
45) 1,2-Dichloropropane	9.10	63	125234	52.243	ug/l	98
46) Dibromomethane	9.19	93	75421	52.043	ug/l	100
47) Bromodichloromethane	9.39	83	158744	52.713	ug/l	98
48) Methyl methacrylate	9.18	41	127346	53.336	ug/l	99
49) 1,4-Dioxane	9.18	88	31010	1092.677	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	855144	280.226	ug/l	99
52) Toluene	10.14	92	272814	49.725	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	180680	52.231	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	193285	50.932	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	110386	52.297	ug/l	99
56) Ethyl methacrylate	10.42	69	179425	54.518	ug/l	99
57) 1,3-Dichloropropane	10.70	76	192455	52.543	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	415974	254.305	ug/l	100
59) 2-Hexanone	10.74	43	619335	281.741	ug/l	100
60) Dibromochloromethane	10.89	129	116499	53.433	ug/l	100
61) 1,2-Dibromoethane	10.99	107	112598	53.051	ug/l	100
64) Tetrachloroethene	10.62	164	101333	44.834	ug/l	98
65) Chlorobenzene	11.43	112	280012	49.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105440	51.146	ug/l	98
67) Ethyl Benzene	11.50	91	522713	49.365	ug/l	100
68) m/p-Xylenes	11.62	106	384961	97.835	ug/l	99
69) o-Xylene	11.94	106	187512	49.920	ug/l	99
70) Styrene	11.96	104	311557	50.715	ug/l	100
71) Bromoform	12.12	173	84550	49.368	ug/l #	100
73) Isopropylbenzene	12.24	105	496614	47.399	ug/l	100
74) N-amyl acetate	12.06	43	249550	51.545	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164639	51.963	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	148212m	49.199	ug/l	
77) Bromobenzene	12.52	156	120824	47.858	ug/l	98
78) n-propylbenzene	12.59	91	588879	47.574	ug/l	99
79) 2-Chlorotoluene	12.67	91	349732	47.287	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	423843	47.670	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	56886	48.498	ug/l	98
82) 4-Chlorotoluene	12.77	91	358456	47.587	ug/l	100
83) tert-Butylbenzene	12.99	119	353669	47.984	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	425793	48.406	ug/l	100
85) sec-Butylbenzene	13.17	105	484463	48.880	ug/l	100
86) p-Isopropyltoluene	13.28	119	431041	48.364	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	215951	48.498	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	215803	48.239	ug/l	99
89) n-Butylbenzene	13.61	91	400574	49.781	ug/l	100
90) Hexachloroethane	13.87	117	69686	53.791	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	213414	50.124	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33815	50.959	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134565	51.466	ug/l	98
94) Hexachlorobutadiene	15.01	225	65471	51.080	ug/l	98
95) Naphthalene	15.13	128	393549	50.043	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	128490	49.892	ug/l	100

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

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