

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060245.D
 Acq On : 26 Feb 2020 11:19
 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
 2/27/2020 9:40:47 AM

Quant Time: Feb 27 04:53:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	226918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	355325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	141765	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.56	113	104775	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.08	98	428834	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	166329	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	99563	43.896	ug/l	100
3) Chloromethane	2.04	50	162744	60.293	ug/l	99
4) Vinyl Chloride	2.16	62	137258	44.613	ug/l	97
5) Bromomethane	2.54	94	54405	28.839	ug/l	100
6) Chloroethane	2.68	64	74242	47.709	ug/l	96
7) Trichlorofluoromethane	3.00	101	176473	44.488	ug/l	97
8) Diethyl Ether	3.38	74	66218	50.149	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	101111	45.911	ug/l	97
10) Methyl Iodide	3.93	142	95602	33.182	ug/l	100
11) Tert butyl alcohol	4.73	59	91929	222.480	ug/l	99
12) 1,1-Dichloroethene	3.71	96	98286	45.812	ug/l	95
13) Acrolein	3.57	56	101188	247.753	ug/l	98
14) Allyl chloride	4.29	41	166963	52.874	ug/l	92
15) Acrylonitrile	4.94	53	260513	258.166	ug/l	99
16) Acetone	3.78	43	183371	152.248	ug/l	99
17) Carbon Disulfide	4.03	76	271941	42.053	ug/l	99
18) Methyl Acetate	4.29	43	135254	59.780	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	347864	48.215	ug/l	99
20) Methylene Chloride	4.52	84	111593	46.441	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	106261	45.436	ug/l	96
22) Diisopropyl ether	5.91	45	361169	52.188	ug/l	92
23) Vinyl Acetate	5.86	43	1486766	255.827	ug/l	97
24) 1,1-Dichloroethane	5.82	63	202563	48.317	ug/l	98
25) 2-Butanone	6.80	43	324612	214.297	ug/l	94
26) 2,2-Dichloropropane	6.79	77	186828	46.919	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	125475	45.844	ug/l	97
28) Bromochloromethane	7.17	49	89174	54.105	ug/l	92
29) Tetrahydrofuran	7.18	42	228578	245.972	ug/l	94
30) Chloroform	7.35	83	204422	46.549	ug/l	99
31) Cyclohexane	7.63	56	182473	46.725	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	181733	45.284	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152009	46.187	ug/l	98
37) Ethyl Acetate	6.89	43	146716	49.325	ug/l	99
38) Carbon Tetrachloride	7.75	117	152998	42.804	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	185690	45.452	ug/l	94
40) Benzene	8.02	78	448456	45.935	ug/l	100
41) Methacrylonitrile	7.14	41	61406m	49.227	ug/l	
42) 1,2-Dichloroethane	8.10	62	162999	47.636	ug/l	98
43) Isopropyl Acetate	8.14	43	259345	51.006	ug/l	98
44) Trichloroethene	8.81	130	125360	46.373	ug/l	94
45) 1,2-Dichloropropane	9.10	63	119531	49.454	ug/l	100
46) Dibromomethane	9.19	93	77445	45.341	ug/l	97
47) Bromodichloromethane	9.39	83	158639	45.683	ug/l	99
48) Methyl methacrylate	9.18	41	117448	51.483	ug/l	94
49) 1,4-Dioxane	9.18	88	34113	875.187	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	739980	251.433	ug/l	98
52) Toluene	10.14	92	284356	45.420	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	189786	48.418	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	199999	48.455	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	111987	45.851	ug/l	99
56) Ethyl methacrylate	10.42	69	172564	49.945	ug/l	96
57) 1,3-Dichloropropane	10.70	76	186909	46.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	526527	327.112	ug/l	96
59) 2-Hexanone	10.74	43	535660	235.618	ug/l	98
60) Dibromochloromethane	10.89	129	120552	43.012	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114612	44.764	ug/l	99
64) Tetrachloroethene	10.62	164	131648	51.640	ug/l	98
65) Chlorobenzene	11.43	112	304746	44.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	113744	44.007	ug/l	99
67) Ethyl Benzene	11.51	91	561213	45.543	ug/l	100
68) m/p-Xylenes	11.62	106	423629	91.597	ug/l	99
69) o-Xylene	11.94	106	204364	45.893	ug/l	99
70) Styrene	11.96	104	342972	47.762	ug/l	99
71) Bromoform	12.12	173	84014	40.413	ug/l #	98
73) Isopropylbenzene	12.25	105	554135	43.592	ug/l	100
74) N-amyl acetate	12.06	43	238195	51.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	148095	40.475	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	147638m	45.331	ug/l	
77) Bromobenzene	12.52	156	135660	43.002	ug/l	94
78) n-propylbenzene	12.59	91	655840	45.283	ug/l	99
79) 2-Chlorotoluene	12.67	91	378404	44.451	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	473147	44.766	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62119	46.701	ug/l #	75
82) 4-Chlorotoluene	12.77	91	398317	45.607	ug/l	98
83) tert-Butylbenzene	12.99	119	409498	43.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	478993	45.910	ug/l	100
85) sec-Butylbenzene	13.17	105	551027	44.500	ug/l	99
86) p-Isopropyltoluene	13.28	119	509167	45.384	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	247766	44.369	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248695	44.544	ug/l	98
89) n-Butylbenzene	13.61	91	473395	47.974	ug/l	99
90) Hexachloroethane	13.87	117	74171	35.388	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	236354	43.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32971	42.260	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	160716	50.051	ug/l	99
94) Hexachlorobutadiene	15.01	225	76247	40.560	ug/l	99
95) Naphthalene	15.13	128	466859	53.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152531	47.700	ug/l	100

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

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