

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058334.D
 Acq On : 24 Sep 2019 8:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:58 AM

Quant Time: Sep 24 09:31:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	467262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	826795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	743600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352307	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	343289	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	7.58	113	250410	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.09	98	961901	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.41	95	354342	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	166397	43.350	ug/l	99
3) Chloromethane	2.04	50	141911	47.921	ug/l	99
4) Vinyl Chloride	2.17	62	156946	48.481	ug/l	99
5) Bromomethane	2.54	94	69764	40.867	ug/l	93
6) Chloroethane	2.68	64	105072	50.723	ug/l	94
7) Trichlorofluoromethane	3.00	101	234099	44.681	ug/l	99
8) Diethyl Ether	3.39	74	121787	50.731	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	172575	45.685	ug/l	99
10) Methyl Iodide	3.93	142	112660	35.592	ug/l	98
11) Tert butyl alcohol	4.76	59	220407	284.709	ug/l	100
12) 1,1-Dichloroethene	3.72	96	142577	49.734	ug/l	96
13) Acrolein	3.59	56	34463	300.394	ug/l	97
14) Allyl chloride	4.30	41	291115	47.097	ug/l	99
15) Acrylonitrile	4.96	53	592298	287.168	ug/l	99
16) Acetone	3.79	43	507538	229.750	ug/l	97
17) Carbon Disulfide	4.03	76	179456	44.503	ug/l	100
18) Methyl Acetate	4.30	43	330250	56.814	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	771362	54.140	ug/l	99
20) Methylene Chloride	4.53	84	204915	52.995	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	154979	49.610	ug/l	99
22) Diisopropyl ether	5.93	45	841320	53.582	ug/l	99
23) Vinyl Acetate	5.87	43	3025719	281.623	ug/l	100
24) 1,1-Dichloroethane	5.83	63	429770	51.284	ug/l	98
25) 2-Butanone	6.82	43	822490	273.287	ug/l	99
26) 2,2-Dichloropropane	6.80	77	195969	27.564	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	242239	51.122	ug/l	95
28) Bromochloromethane	7.18	49	220204	55.546	ug/l #	100
29) Tetrahydrofuran	7.19	42	510808	275.540	ug/l	99
30) Chloroform	7.36	83	463839	51.420	ug/l	100
31) Cyclohexane	7.64	56	257788	47.467	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	359516	52.353	ug/l	99
36) 1,1-Dichloropropene	7.78	75	262147	43.967	ug/l	99
37) Ethyl Acetate	6.91	43	329209	53.204	ug/l	99
38) Carbon Tetrachloride	7.76	117	283261	47.261	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	246290	42.733	ug/l	98
40) Benzene	8.03	78	858391	47.135	ug/l	99
41) Methacrylonitrile	7.15	41	183879	58.825	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	374299	48.982	ug/l	100
43) Isopropyl Acetate	8.15	43	612371	52.991	ug/l	99
44) Trichloroethene	8.82	130	206759	46.395	ug/l	96
45) 1,2-Dichloropropane	9.11	63	271536	49.928	ug/l	97
46) Dibromomethane	9.20	93	164335	49.700	ug/l	99
47) Bromodichloromethane	9.40	83	362342	52.308	ug/l	99
48) Methyl methacrylate	9.19	41	282975	53.931	ug/l	99
49) 1,4-Dioxane	9.19	88	92067	1068.737	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1838813	299.573	ug/l	100
52) Toluene	10.15	92	541406	47.437	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	353428	49.808	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	370250	47.260	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	263228	51.971	ug/l	98
56) Ethyl methacrylate	10.43	69	402069	55.019	ug/l	99
57) 1,3-Dichloropropane	10.71	76	439357	50.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1002164	287.904	ug/l	100
59) 2-Hexanone	10.75	43	1324455	290.532	ug/l	99
60) Dibromochloromethane	10.90	129	264446	54.271	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243325	51.839	ug/l	99
64) Tetrachloroethene	10.63	164	178025	49.112	ug/l	99
65) Chlorobenzene	11.44	112	641283	49.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	256042	53.987	ug/l	99
67) Ethyl Benzene	11.51	91	1129301	50.390	ug/l	99
68) m/p-Xylenes	11.62	106	819571	97.096	ug/l	98
69) o-Xylene	11.95	106	417250	50.273	ug/l	100
70) Styrene	11.97	104	746878	52.228	ug/l	100
71) Bromoform	12.13	173	173907	49.498	ug/l #	99
73) Isopropylbenzene	12.25	105	1163882	52.779	ug/l	99
74) N-amyl acetate	12.07	43	549873	59.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	417796	56.576	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	351906m	55.812	ug/l	
77) Bromobenzene	12.53	156	278817	50.264	ug/l	98
78) n-propylbenzene	12.60	91	1345854	53.707	ug/l	99
79) 2-Chlorotoluene	12.68	91	824438	52.643	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	999374	53.592	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89811	43.273	ug/l	100
82) 4-Chlorotoluene	12.78	91	860027	52.242	ug/l	98
83) tert-Butylbenzene	13.00	119	895522	53.851	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1019130	54.917	ug/l	100
85) sec-Butylbenzene	13.18	105	1175561	54.059	ug/l	100
86) p-Isopropyltoluene	13.30	119	1037333	53.657	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	527130	52.028	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	528438	51.089	ug/l	100
89) n-Butylbenzene	13.62	91	932904	50.898	ug/l	100
90) Hexachloroethane	13.88	117	168163	49.627	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	539750	53.109	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80413	60.484	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	344402	53.038	ug/l	100
94) Hexachlorobutadiene	15.02	225	153537	48.920	ug/l	96
95) Naphthalene	15.14	128	1035794	61.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	329143	53.629	ug/l	99

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

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