

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059128.D
 Acq On : 7 Nov 2019 17:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:34 AM

Quant Time: Nov 08 03:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	503848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	779711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	711811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	290895	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
35) Dibromofluoromethane	7.57	113	227228	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.08	98	890823	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.40	95	327249	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	226779	44.672	ug/l	100
3) Chloromethane	2.04	50	294279	42.645	ug/l	100
4) Vinyl Chloride	2.17	62	297721	44.500	ug/l	98
5) Bromomethane	2.54	94	138611	36.003	ug/l	99
6) Chloroethane	2.68	64	178387	45.074	ug/l	97
7) Trichlorofluoromethane	3.00	101	369910	46.225	ug/l	99
8) Diethyl Ether	3.39	74	149149	45.870	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	222947	46.207	ug/l	100
10) Methyl Iodide	3.93	142	238057	39.860	ug/l	99
11) Tert butyl alcohol	4.75	59	240818	204.020	ug/l	99
12) 1,1-Dichloroethene	3.72	96	217773	46.333	ug/l	99
13) Acrolein	3.58	56	122282	200.933	ug/l	98
14) Allyl chloride	4.30	41	432407	44.787	ug/l	99
15) Acrylonitrile	4.95	53	714556	243.251	ug/l	99
16) Acetone	3.79	43	650002	201.815	ug/l	99
17) Carbon Disulfide	4.03	76	638589	43.768	ug/l	99
18) Methyl Acetate	4.30	43	368609	48.217	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	776038	47.957	ug/l	100
20) Methylene Chloride	4.53	84	257601	45.909	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	234061	46.394	ug/l	100
22) Diisopropyl ether	5.92	45	863598	47.356	ug/l	99
23) Vinyl Acetate	5.87	43	3615116	255.785	ug/l	100
24) 1,1-Dichloroethane	5.82	63	472187	46.359	ug/l	99
25) 2-Butanone	6.81	43	971693	228.913	ug/l	100
26) 2,2-Dichloropropane	6.80	77	389167	43.696	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	271946	46.462	ug/l	99
28) Bromochloromethane	7.17	49	140371	45.808	ug/l	99
29) Tetrahydrofuran	7.18	42	641102	237.696	ug/l	99
30) Chloroform	7.35	83	451037	46.163	ug/l	99
31) Cyclohexane	7.63	56	429180	44.510	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	389097	47.366	ug/l	100
36) 1,1-Dichloropropene	7.77	75	344410	47.257	ug/l	99
37) Ethyl Acetate	6.90	43	390345	48.145	ug/l	100
38) Carbon Tetrachloride	7.75	117	341871	47.129	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	405734	47.968	ug/l	100
40) Benzene	8.02	78	1046446	47.681	ug/l	99
41) Methacrylonitrile	7.16	41	181592m	51.507	ug/l	
42) 1,2-Dichloroethane	8.10	62	357791	47.533	ug/l	100
43) Isopropyl Acetate	8.14	43	621032	48.046	ug/l	99
44) Trichloroethene	8.82	130	253344	46.960	ug/l	100
45) 1,2-Dichloropropane	9.10	63	285182	47.840	ug/l	97
46) Dibromomethane	9.19	93	172840	46.529	ug/l	99
47) Bromodichloromethane	9.39	83	357080	48.140	ug/l	97
48) Methyl methacrylate	9.18	41	283469	49.029	ug/l	99
49) 1,4-Dioxane	9.18	88	82967	807.478	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1946938	266.204	ug/l	100
52) Toluene	10.15	92	636845	48.414	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	409466	47.780	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	446175	48.401	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	252935	47.512	ug/l	100
56) Ethyl methacrylate	10.42	69	410157	46.335	ug/l	99
57) 1,3-Dichloropropane	10.70	76	444810	48.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	773604	261.110	ug/l	100
59) 2-Hexanone	10.74	43	1432567	255.195	ug/l	99
60) Dibromochloromethane	10.90	129	276426	49.111	ug/l	100
61) 1,2-Dibromoethane	11.00	107	260056	48.255	ug/l	99
64) Tetrachloroethene	10.62	164	225216	46.530	ug/l	98
65) Chlorobenzene	11.43	112	668634	48.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	251754	48.366	ug/l	99
67) Ethyl Benzene	11.51	91	1224294	49.729	ug/l	99
68) m/p-Xylenes	11.62	106	915324	99.254	ug/l	99
69) o-Xylene	11.95	106	434210	48.721	ug/l	99
70) Styrene	11.96	104	725521	51.762	ug/l	99
71) Bromoform	12.13	173	201482	49.763	ug/l	100
73) Isopropylbenzene	12.25	105	1183707	47.710	ug/l	100
74) N-amyl acetate	12.07	43	522603	49.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	396068	46.877	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	348491m	44.878	ug/l	
77) Bromobenzene	12.53	156	287265	46.085	ug/l	99
78) n-propylbenzene	12.59	91	1379048	48.545	ug/l	99
79) 2-Chlorotoluene	12.67	91	824372	46.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1003937	47.754	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	137079	46.626	ug/l	99
82) 4-Chlorotoluene	12.77	91	841824	47.627	ug/l	100
83) tert-Butylbenzene	12.99	119	848956	46.761	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	993926	48.866	ug/l	99
85) sec-Butylbenzene	13.17	105	1137433	48.173	ug/l	100
86) p-Isopropyltoluene	13.29	119	1034613	49.626	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	509329	47.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	499868	46.805	ug/l	99
89) n-Butylbenzene	13.62	91	898418	49.236	ug/l	100
90) Hexachloroethane	13.88	117	189753	45.326	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	502933	47.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77538	46.001	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	292516	46.165	ug/l	98
94) Hexachlorobutadiene	15.01	225	158119	43.673	ug/l	98
95) Naphthalene	15.13	128	826377	46.952	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	288639	49.050	ug/l	99

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

