

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058566.D
 Acq On : 7 Oct 2019 14:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:35 AM

Quant Time: Oct 08 15:01:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	410970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	687661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	627612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	293653	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.57	113	212082	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.08	98	805078	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.41	95	307913	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	210519	46.717	ug/l	99
3) Chloromethane	2.04	50	264823	53.455	ug/l	100
4) Vinyl Chloride	2.17	62	246401	50.772	ug/l	99
5) Bromomethane	2.53	94	128618	49.895	ug/l	99
6) Chloroethane	2.68	64	158863	54.632	ug/l	98
7) Trichlorofluoromethane	2.99	101	343769	58.698	ug/l	99
8) Diethyl Ether	3.39	74	131330	51.973	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195308	49.104	ug/l	99
10) Methyl Iodide	3.93	142	188481	42.737	ug/l	99
11) Tert butyl alcohol	4.76	59	223925	335.629	ug/l	99
12) 1,1-Dichloroethene	3.71	96	185217	47.775	ug/l	99
13) Acrolein	3.58	56	67944	320.183	ug/l	97
14) Allyl chloride	4.30	41	378305	53.620	ug/l	97
15) Acrylonitrile	4.96	53	566633	291.409	ug/l	99
16) Acetone	3.79	43	582637	284.592	ug/l	99
17) Carbon Disulfide	4.03	76	498310	48.761	ug/l	98
18) Methyl Acetate	4.30	43	290355	56.389	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	735643	53.779	ug/l	98
20) Methylene Chloride	4.53	84	233049	49.327	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	209599	48.618	ug/l	99
22) Diisopropyl ether	5.93	45	805240	53.037	ug/l	98
23) Vinyl Acetate	5.87	43	3325556	290.498	ug/l	99
24) 1,1-Dichloroethane	5.82	63	445839	52.178	ug/l	100
25) 2-Butanone	6.82	43	804437	286.191	ug/l	99
26) 2,2-Dichloropropane	6.81	77	399560	56.880	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	251730	49.959	ug/l	99
28) Bromochloromethane	7.18	49	180501	52.847	ug/l	97
29) Tetrahydrofuran	7.19	42	502781	281.825	ug/l	100
30) Chloroform	7.36	83	450429	52.021	ug/l	99
31) Cyclohexane	7.63	56	379643	45.676	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	385897	54.273	ug/l	99
36) 1,1-Dichloropropene	7.78	75	323481	49.196	ug/l	99
37) Ethyl Acetate	6.91	43	323264	57.987	ug/l	100
38) Carbon Tetrachloride	7.76	117	327702	55.213	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	365503	47.600	ug/l	97
40) Benzene	8.03	78	972995	51.479	ug/l	99
41) Methacrylonitrile	7.17	41	173696m	67.726	ug/l	
42) 1,2-Dichloroethane	8.11	62	379761	51.644	ug/l	100
43) Isopropyl Acetate	8.15	43	569901	54.363	ug/l	99
44) Trichloroethene	8.82	130	239520	51.323	ug/l	97
45) 1,2-Dichloropropane	9.11	63	269652	53.196	ug/l	97
46) Dibromomethane	9.20	93	168775	52.575	ug/l	98
47) Bromodichloromethane	9.40	83	344514	56.643	ug/l	100
48) Methyl methacrylate	9.19	41	262466	54.984	ug/l	98
49) 1,4-Dioxane	9.19	88	91821	1438.569	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1654712	307.289	ug/l	99
52) Toluene	10.15	92	592624	49.814	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	398712	60.228	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	421873	57.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	243872	56.298	ug/l	99
56) Ethyl methacrylate	10.43	69	381401	58.025	ug/l	99
57) 1,3-Dichloropropane	10.71	76	419541	54.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	893837	341.031	ug/l	100
59) 2-Hexanone	10.75	43	1230010	313.698	ug/l	100
60) Dibromochloromethane	10.90	129	257510	57.489	ug/l	99
61) 1,2-Dibromoethane	11.00	107	249066	56.271	ug/l	99
64) Tetrachloroethene	10.63	164	205988	51.659	ug/l	98
65) Chlorobenzene	11.44	112	636336	51.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	241486	57.452	ug/l	100
67) Ethyl Benzene	11.51	91	1195966	52.927	ug/l	100
68) m/p-Xylenes	11.62	106	866982	101.976	ug/l	97
69) o-Xylene	11.95	106	423165	51.705	ug/l	97
70) Styrene	11.97	104	706451	53.134	ug/l	99
71) Bromoform	12.13	173	168920	58.040	ug/l #	100
73) Isopropylbenzene	12.25	105	1151078	52.110	ug/l	100
74) N-amyl acetate	12.07	43	515016	58.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	354874	54.329	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	350152m	64.137	ug/l	
77) Bromobenzene	12.53	156	268372	51.814	ug/l	97
78) n-propylbenzene	12.60	91	1356082	54.491	ug/l	100
79) 2-Chlorotoluene	12.68	91	803093	52.282	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	982728	53.146	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113662	63.231	ug/l	96
82) 4-Chlorotoluene	12.78	91	833841	53.199	ug/l	99
83) tert-Butylbenzene	13.00	119	820401	52.579	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	983871	53.106	ug/l	99
85) sec-Butylbenzene	13.18	105	1105038	53.808	ug/l	100
86) p-Isopropyltoluene	13.30	119	999198	55.273	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	489351	52.104	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	481390	51.517	ug/l	99
89) n-Butylbenzene	13.62	91	906860	55.380	ug/l	100
90) Hexachloroethane	13.88	117	171535	63.155	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	483121	53.537	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	71490	62.064	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	288279	57.811	ug/l	100
94) Hexachlorobutadiene	15.02	225	130039	50.736	ug/l	99
95) Naphthalene	15.13	128	799412	54.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	263257	52.659	ug/l	98

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

