

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055808.D
 Acq On : 24 May 2019 20:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:19 AM

Quant Time: May 25 05:16:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	358155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	512895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203383	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	181436	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
35) Dibromofluoromethane	7.59	113	166089	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
50) Toluene-d8	10.09	98	626709	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	212741	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	105379	43.718	ug/l	100
3) Chloromethane	2.06	50	147731	43.743	ug/l	99
4) Vinyl Chloride	2.18	62	163694	45.444	ug/l	98
5) Bromomethane	2.52	94	99387	44.102	ug/l	100
6) Chloroethane	2.67	64	103793m	47.859	ug/l	
7) Trichlorofluoromethane	3.00	101	220927	46.782	ug/l	97
8) Diethyl Ether	3.40	74	100510	47.486	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	136029	46.144	ug/l	98
10) Methyl Iodide	3.94	142	222036	51.517	ug/l	99
11) Tert butyl alcohol	4.82	59	165798	234.607	ug/l	99
12) 1,1-Dichloroethene	3.72	96	143209	47.015	ug/l	96
13) Acrolein	3.60	56	110631	218.625	ug/l	99
14) Allyl chloride	4.31	41	236304	45.254	ug/l	100
15) Acrylonitrile	4.99	53	396108	244.092	ug/l	100
16) Acetone	3.82	43	322057	198.081	ug/l	98
17) Carbon Disulfide	4.03	76	375618	43.403	ug/l	99
18) Methyl Acetate	4.32	43	166726	50.452	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	482647	47.510	ug/l	99
20) Methylene Chloride	4.54	84	165106	46.890	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	152997	46.753	ug/l	97
22) Diisopropyl ether	5.95	45	484001	47.656	ug/l	99
23) Vinyl Acetate	5.90	43	2066609	237.331	ug/l	99
24) 1,1-Dichloroethane	5.84	63	274240	46.377	ug/l	99
25) 2-Butanone	6.84	43	523721	230.645	ug/l	100
26) 2,2-Dichloropropane	6.82	77	198854	38.857	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	182072	47.690	ug/l	98
28) Bromochloromethane	7.19	49	138095	49.050	ug/l	97
29) Tetrahydrofuran	7.22	42	346553	241.004	ug/l	98
30) Chloroform	7.37	83	282180	47.850	ug/l	100
31) Cyclohexane	7.65	56	247821	44.639	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	247273	46.989	ug/l	99
36) 1,1-Dichloropropene	7.79	75	210571	47.111	ug/l	99
37) Ethyl Acetate	6.93	43	215118	49.796	ug/l	100
38) Carbon Tetrachloride	7.77	117	220277	47.313	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	254982	46.068	ug/l	99
40) Benzene	8.04	78	653552	48.516	ug/l	99
41) Methacrylonitrile	7.18	41	99563	45.620	ug/l	96
42) 1,2-Dichloroethane	8.12	62	212401	48.254	ug/l	100
43) Isopropyl Acetate	8.17	43	348414	48.002	ug/l #	93
44) Trichloroethene	8.83	130	187999	50.061	ug/l	99
45) 1,2-Dichloropropane	9.12	63	171435	48.846	ug/l	100
46) Dibromomethane	9.21	93	113548	49.332	ug/l	97
47) Bromodichloromethane	9.40	83	222340	47.109	ug/l	99
48) Methyl methacrylate	9.20	41	169845	50.774	ug/l	98
49) 1,4-Dioxane	9.21	88	69064	993.513	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1056091	246.363	ug/l	99
52) Toluene	10.16	92	419111	49.469	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	240951	47.828	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	267355	47.904	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	168254	49.574	ug/l	98
56) Ethyl methacrylate	10.43	69	258911	49.360	ug/l	100
57) 1,3-Dichloropropane	10.71	76	274157	49.694	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	504356	251.603	ug/l	99
59) 2-Hexanone	10.75	43	724507	238.243	ug/l	99
60) Dibromochloromethane	10.90	129	194227	49.124	ug/l	99
61) 1,2-Dibromoethane	11.00	107	180058	51.146	ug/l	100
64) Tetrachloroethene	10.63	164	189122	48.715	ug/l	99
65) Chlorobenzene	11.43	112	451661	49.016	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	176901	48.135	ug/l	99
67) Ethyl Benzene	11.51	91	794549	48.083	ug/l	99
68) m/p-Xylenes	11.62	106	607077	97.178	ug/l	99
69) o-Xylene	11.95	106	298935	48.231	ug/l	100
70) Styrene	11.96	104	497845	49.601	ug/l	100
71) Bromoform	12.13	173	148874	47.492	ug/l #	99
73) Isopropylbenzene	12.25	105	782949	54.350	ug/l	100
74) N-amyl acetate	12.07	43	280177	50.914	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	230115	53.967	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	193216m	55.520	ug/l	
77) Bromobenzene	12.53	156	211666	48.771	ug/l	96
78) n-propylbenzene	12.59	91	832385	47.089	ug/l	99
79) 2-Chlorotoluene	12.67	91	501905	52.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	641517	52.825	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	68118	45.063	ug/l	99
82) 4-Chlorotoluene	12.77	91	491376	47.290	ug/l	100
83) tert-Butylbenzene	12.99	119	564233	53.834	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	632525	52.126	ug/l	99
85) sec-Butylbenzene	13.17	105	722543	52.911	ug/l	100
86) p-Isopropyltoluene	13.29	119	661246	46.817	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	335278	48.788	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	322085	49.297	ug/l	100
89) n-Butylbenzene	13.61	91	496880	45.914	ug/l	99
90) Hexachloroethane	13.87	117	119607	44.490	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	333232	48.603	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41506	46.058	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181829	46.378	ug/l	99
94) Hexachlorobutadiene	15.01	225	119427	49.476	ug/l	99
95) Naphthalene	15.13	128	507489	53.941	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	192719	53.174	ug/l	100

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

