

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052913.D
 Acq On : 15 Dec 2018 2:13
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 3:06:05 PM

Quant Time: Dec 15 04:25:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1221565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1890846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1625726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	702729	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	648762	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
35) Dibromofluoromethane	7.59	113	415387	39.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.72%	
50) Toluene-d8	10.09	98	2270515	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	743644	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	602471	47.911	ug/l	99
3) Chloromethane	2.06	50	681834	45.178	ug/l	100
4) Vinyl Chloride	2.19	62	741297	49.096	ug/l	99
5) Bromomethane	2.57	94	441873	47.448	ug/l	100
6) Chloroethane	2.71	64	441686	49.490	ug/l	98
7) Trichlorofluoromethane	3.03	101	960594	51.315	ug/l	100
8) Diethyl Ether	3.42	74	355878	52.117	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	590100	50.863	ug/l	99
10) Methyl Iodide	3.96	142	848912	52.249	ug/l	100
11) Tert butyl alcohol	4.77	59	176409	243.071	ug/l #	89
12) 1,1-Dichloroethene	3.75	96	579831	51.628	ug/l	98
13) Acrolein	3.61	56	142927	209.171	ug/l	100
14) Allyl chloride	4.33	41	888532	48.437	ug/l	99
15) Acrylonitrile	4.99	53	1017213	249.836	ug/l	99
16) Acetone	3.82	43	656507	225.049	ug/l	97
17) Carbon Disulfide	4.06	76	1676282	48.586	ug/l	100
18) Methyl Acetate	4.33	43	545228	50.927	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1580053	51.822	ug/l	98
20) Methylene Chloride	4.56	84	641279	48.848	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	618031	50.793	ug/l	98
22) Diisopropyl ether	5.95	45	1990540	50.864	ug/l	98
23) Vinyl Acetate	5.90	43	5492716	235.873	ug/l	99
24) 1,1-Dichloroethane	5.86	63	1164815	51.614	ug/l	100
25) 2-Butanone	6.83	43	1068006	235.949	ug/l	98
26) 2,2-Dichloropropane	6.83	77	718062	43.206	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	707505	51.232	ug/l	98
28) Bromochloromethane	7.20	49	507839	50.112	ug/l	97
29) Tetrahydrofuran	7.21	42	756900	244.941	ug/l	98
30) Chloroform	7.37	83	1129024	51.302	ug/l	100
31) Cyclohexane	7.66	56	1082592	49.176	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	953721	51.796	ug/l	99
36) 1,1-Dichloropropene	7.80	75	880293	50.556	ug/l	99
37) Ethyl Acetate	6.93	43	514192	49.157	ug/l	100
38) Carbon Tetrachloride	7.78	117	814240	50.804	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1038196	48.587	ug/l	99
40) Benzene	8.04	78	2634359	50.408	ug/l	98
41) Methacrylonitrile	7.18	41	322622	55.666	ug/l	89
42) 1,2-Dichloroethane	8.13	62	793526	50.436	ug/l	100
43) Isopropyl Acetate	8.17	43	980440	45.716	ug/l	99
44) Trichloroethene	8.84	130	774710	54.882	ug/l	98
45) 1,2-Dichloropropane	9.12	63	696227	50.863	ug/l	99
46) Dibromomethane	9.21	93	391256	49.286	ug/l	99
47) Bromodichloromethane	9.40	83	841342	51.108	ug/l	100
48) Methyl methacrylate	9.20	41	470710	50.049	ug/l	98
49) 1,4-Dioxane	9.20	88	102635	961.402	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2419428	246.028	ug/l	99
52) Toluene	10.16	92	1589059	50.204	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	827603	49.960	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	994374	50.374	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	556450	49.248	ug/l	99
56) Ethyl methacrylate	10.43	69	748403	51.613	ug/l	99
57) 1,3-Dichloropropane	10.71	76	969662	50.045	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2100929	259.667	ug/l	99
59) 2-Hexanone	10.75	43	1590701	236.030	ug/l	99
60) Dibromochloromethane	10.90	129	614527	50.324	ug/l	100
61) 1,2-Dibromoethane	11.01	107	551269	49.359	ug/l	99
64) Tetrachloroethene	10.63	164	921218	65.930	ug/l	100
65) Chlorobenzene	11.44	112	1692069	50.168	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	604761	51.556	ug/l	98
67) Ethyl Benzene	11.51	91	2953534	50.992	ug/l	99
68) m/p-Xylenes	11.62	106	2201670	101.231	ug/l	100
69) o-Xylene	11.95	106	1067632	50.271	ug/l	100
70) Styrene	11.96	104	1747819	51.196	ug/l	99
71) Bromoform	12.13	173	390782	49.037	ug/l #	99
73) Isopropylbenzene	12.25	105	2821972	53.784	ug/l	99
74) N-amyl acetate	12.07	43	806175	55.966	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	480093	40.828	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	520371m	50.190	ug/l	
77) Bromobenzene	12.53	156	712801	53.413	ug/l	97
78) n-propylbenzene	12.59	91	3169452	52.966	ug/l	100
79) 2-Chlorotoluene	12.68	91	1848620	52.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2202965	52.012	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163079	50.530	ug/l	98
82) 4-Chlorotoluene	12.77	91	1869871	51.697	ug/l	100
83) tert-Butylbenzene	12.99	119	1948803	52.159	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2227321	51.945	ug/l	99
85) sec-Butylbenzene	13.17	105	2613122	51.643	ug/l	100
86) p-Isopropyltoluene	13.29	119	2242992	51.165	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1186964	50.051	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1165974	49.647	ug/l	99
89) n-Butylbenzene	13.62	91	1855408	50.276	ug/l	100
90) Hexachloroethane	13.88	117	329250	44.853	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1109747	48.646	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82923	46.782	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	611673	49.327	ug/l	100
94) Hexachlorobutadiene	15.01	225	312794	43.579	ug/l	99
95) Naphthalene	15.13	128	1331724	51.852	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	554570	48.739	ug/l	100

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

