

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056350.D
 Acq On : 18 Jun 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:19:30 PM

Quant Time: Jun 19 02:10:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	367884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	550163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	495118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223441	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	199001	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
35) Dibromofluoromethane	7.59	113	174040	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
50) Toluene-d8	10.09	98	672039	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	231204	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	164237	50.778	ug/l	99
3) Chloromethane	2.06	50	206481	47.611	ug/l	100
4) Vinyl Chloride	2.18	62	203047	47.639	ug/l	100
5) Bromomethane	2.53	94	124285m	50.131	ug/l	
6) Chloroethane	2.68	64	120032	48.623	ug/l	98
7) Trichlorofluoromethane	3.00	101	260934	47.937	ug/l	99
8) Diethyl Ether	3.40	74	105556	48.891	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	170567	48.449	ug/l	99
10) Methyl Iodide	3.94	142	230882	51.246	ug/l	100
11) Tert butyl alcohol	4.81	59	153227	235.407	ug/l	100
12) 1,1-Dichloroethene	3.72	96	161778	47.386	ug/l	99
13) Acrolein	3.60	56	39342	211.686	ug/l	97
14) Allyl chloride	4.31	41	271633	47.442	ug/l	99
15) Acrylonitrile	4.99	53	441693	237.432	ug/l	99
16) Acetone	3.82	43	507610	222.082	ug/l	99
17) Carbon Disulfide	4.04	76	394421	43.176	ug/l	100
18) Methyl Acetate	4.32	43	181037	45.270	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	510514	49.032	ug/l	99
20) Methylene Chloride	4.54	84	189019	46.833	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	174456	48.040	ug/l	99
22) Diisopropyl ether	5.95	45	550285	48.892	ug/l	99
23) Vinyl Acetate	5.89	43	2285574	249.597	ug/l	99
24) 1,1-Dichloroethane	5.84	63	319115	48.361	ug/l	99
25) 2-Butanone	6.84	43	658395	237.650	ug/l	99
26) 2,2-Dichloropropane	6.82	77	223993	46.942	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	202008	48.028	ug/l	99
28) Bromochloromethane	7.19	49	163001	49.328	ug/l	99
29) Tetrahydrofuran	7.21	42	388714	236.208	ug/l	99
30) Chloroform	7.37	83	314139	47.791	ug/l	99
31) Cyclohexane	7.65	56	306757	48.115	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	257779	47.344	ug/l	99
36) 1,1-Dichloropropene	7.79	75	244299	49.345	ug/l	99
37) Ethyl Acetate	6.93	43	235016	50.091	ug/l	100
38) Carbon Tetrachloride	7.77	117	217958	45.868	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	310196	51.367	ug/l	99
40) Benzene	8.04	78	744592	49.579	ug/l	99
41) Methacrylonitrile	7.18	41	118571m	55.037	ug/l	
42) 1,2-Dichloroethane	8.12	62	243824	49.506	ug/l	100
43) Isopropyl Acetate	8.17	43	356695	47.526	ug/l	99
44) Trichloroethene	8.83	130	204645	50.107	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198038	49.895	ug/l	99
46) Dibromomethane	9.21	93	125678	47.649	ug/l	99
47) Bromodichloromethane	9.40	83	234695	46.575	ug/l	99
48) Methyl methacrylate	9.20	41	174551	46.097	ug/l	96
49) 1,4-Dioxane	9.20	88	76453	1000.883	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1158971	242.293	ug/l	100
52) Toluene	10.15	92	458652	50.035	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	243403	48.646	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	285197	49.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	184414	48.951	ug/l	99
56) Ethyl methacrylate	10.43	69	273012	50.391	ug/l	100
57) 1,3-Dichloropropane	10.71	76	309039	48.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	512632	252.920	ug/l	99
59) 2-Hexanone	10.75	43	877957	247.483	ug/l	100
60) Dibromochloromethane	10.90	129	183663	46.482	ug/l	99
61) 1,2-Dibromoethane	11.00	107	189053	48.819	ug/l	99
64) Tetrachloroethene	10.63	164	199444	49.121	ug/l	99
65) Chlorobenzene	11.43	112	492955	49.040	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176612	47.063	ug/l	99
67) Ethyl Benzene	11.51	91	874738	50.555	ug/l	99
68) m/p-Xylenes	11.62	106	665230	103.298	ug/l	99
69) o-Xylene	11.95	106	325256	51.237	ug/l	98
70) Styrene	11.96	104	541503	52.835	ug/l	99
71) Bromoform	12.12	173	128609	44.099	ug/l #	100
73) Isopropylbenzene	12.25	105	856418	51.815	ug/l	100
74) N-amyl acetate	12.07	43	309798	44.120	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256277	49.348	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	224066m	46.936	ug/l	
77) Bromobenzene	12.53	156	222944	50.314	ug/l	99
78) n-propylbenzene	12.59	91	955126	47.621	ug/l	100
79) 2-Chlorotoluene	12.67	91	570507	51.738	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	714394	45.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63463	41.302	ug/l	93
82) 4-Chlorotoluene	12.77	91	560712	47.626	ug/l	100
83) tert-Butylbenzene	12.99	119	622655	52.003	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	698152	48.095	ug/l	100
85) sec-Butylbenzene	13.17	105	829482	47.154	ug/l	100
86) p-Isopropyltoluene	13.29	119	747346	49.632	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	374800	49.282	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	361875	49.519	ug/l	100
89) n-Butylbenzene	13.61	91	593530	52.721	ug/l	99
90) Hexachloroethane	13.87	117	113566	44.354	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	367853	49.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40118	41.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166909	43.827	ug/l	99
94) Hexachlorobutadiene	15.01	225	138182	54.320	ug/l	99
95) Naphthalene	15.13	128	427002	42.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	179466	44.704	ug/l	98

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

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