

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055265.D
 Acq On : 26 Apr 2019 10:07
 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
 4/29/2019 10:56:52 AM

Quant Time: Apr 27 02:11:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	428249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	671195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229078	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	284442	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	7.59	113	226443	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.09	98	841354	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	269567	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	284868	51.663	ug/l	100
3) Chloromethane	2.06	50	317225	46.951	ug/l	100
4) Vinyl Chloride	2.19	62	257790	47.616	ug/l	96
5) Bromomethane	2.55	94	141764	45.152	ug/l	97
6) Chloroethane	2.70	64	136942	47.991	ug/l	99
7) Trichlorofluoromethane	3.02	101	368512	50.018	ug/l	99
8) Diethyl Ether	3.41	74	129877	49.389	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	227149	49.408	ug/l	98
10) Methyl Iodide	3.95	142	327965	50.870	ug/l	100
11) Tert butyl alcohol	4.79	59	86529	255.696	ug/l	98
12) 1,1-Dichloroethene	3.74	96	215723	48.962	ug/l	98
13) Acrolein	3.61	56	185139	360.589	ug/l	98
14) Allyl chloride	4.32	41	442172	50.765	ug/l	99
15) Acrylonitrile	4.99	53	460303	248.020	ug/l	100
16) Acetone	3.82	43	465834	243.103	ug/l	99
17) Carbon Disulfide	4.05	76	594234	48.243	ug/l	98
18) Methyl Acetate	4.33	43	213856	51.982	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	614049	50.408	ug/l	98
20) Methylene Chloride	4.55	84	249254	45.247	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	225754	48.863	ug/l	97
22) Diisopropyl ether	5.95	45	884400	50.939	ug/l	97
23) Vinyl Acetate	5.89	43	3081357	264.107	ug/l	99
24) 1,1-Dichloroethane	5.85	63	456367	48.868	ug/l	100
25) 2-Butanone	6.83	43	598727	242.019	ug/l	100
26) 2,2-Dichloropropane	6.82	77	331385	52.438	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	262826	49.349	ug/l	98
28) Bromochloromethane	7.19	49	232326	48.804	ug/l	98
29) Tetrahydrofuran	7.21	42	371085	243.966	ug/l	99
30) Chloroform	7.37	83	429204	48.317	ug/l	96
31) Cyclohexane	7.65	56	432819	49.492	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	358316	50.208	ug/l	99
36) 1,1-Dichloropropene	7.79	75	325684	52.279	ug/l	99
37) Ethyl Acetate	6.93	43	241871	48.109	ug/l #	91
38) Carbon Tetrachloride	7.77	117	304837	52.254	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	361456	48.635	ug/l	98
40) Benzene	8.04	78	975894	50.747	ug/l	99
41) Methacrylonitrile	7.17	41	122368	46.425	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	337337	50.281	ug/l	99
43) Isopropyl Acetate	8.16	43	423855	52.062	ug/l	100
44) Trichloroethene	8.83	130	246777	50.771	ug/l	100
45) 1,2-Dichloropropane	9.12	63	273750	50.429	ug/l	99
46) Dibromomethane	9.21	93	153017	49.241	ug/l	97
47) Bromodichloromethane	9.40	83	331043	53.215	ug/l	100
48) Methyl methacrylate	9.20	41	200389	50.742	ug/l	96
49) 1,4-Dioxane	9.20	88	45063	988.091	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1169614	249.663	ug/l	100
52) Toluene	10.15	92	560919	49.755	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	316217	55.389	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	381483	53.847	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	204872	49.292	ug/l	99
56) Ethyl methacrylate	10.43	69	278477	53.784	ug/l	100
57) 1,3-Dichloropropane	10.71	76	366281	50.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	457414	230.207	ug/l	100
59) 2-Hexanone	10.75	43	748398	252.912	ug/l	99
60) Dibromochloromethane	10.90	129	226453	52.896	ug/l	98
61) 1,2-Dibromoethane	11.00	107	199706	51.105	ug/l	100
64) Tetrachloroethene	10.63	164	230898	50.083	ug/l	98
65) Chlorobenzene	11.43	112	573869	49.750	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	222809	52.116	ug/l	99
67) Ethyl Benzene	11.51	91	1062865	51.727	ug/l	100
68) m/p-Xylenes	11.62	106	769096	104.360	ug/l	99
69) o-Xylene	11.95	106	373671	51.092	ug/l	100
70) Styrene	11.96	104	611010	53.897	ug/l	98
71) Bromoform	12.13	173	135249	53.013	ug/l #	97
73) Isopropylbenzene	12.25	105	1007611	54.965	ug/l	100
74) N-amyl acetate	12.07	43	306661	51.923	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	247572	53.309	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	211988m	45.615	ug/l	
77) Bromobenzene	12.53	156	237932	47.048	ug/l	99
78) n-propylbenzene	12.59	91	1122207	48.848	ug/l	99
79) 2-Chlorotoluene	12.67	91	668174	46.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	818328	47.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62288	50.808	ug/l	97
82) 4-Chlorotoluene	12.77	91	651769	48.833	ug/l	100
83) tert-Butylbenzene	12.99	119	691208	53.809	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	788299	48.712	ug/l	99
85) sec-Butylbenzene	13.17	105	890922	45.922	ug/l	100
86) p-Isopropyltoluene	13.29	119	776114	48.557	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	385266	49.626	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	365302	48.331	ug/l	99
89) n-Butylbenzene	13.61	91	606413	51.186	ug/l	98
90) Hexachloroethane	13.87	117	132498	46.741	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	371802	46.627	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33327	47.910	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147178	44.035	ug/l	99
94) Hexachlorobutadiene	15.01	225	126126	54.548	ug/l	99
95) Naphthalene	15.13	128	301027	41.496	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	150135	45.092	ug/l	99

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

