

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053305.D
 Acq On : 8 Jan 2019 9:08
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:57:32 AM

Quant Time: Jan 09 00:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	915719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1347170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1241904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	598929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	447233	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	7.59	113	378800	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.09	98	1636033	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	582304	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	421230	52.178	ug/l	99
3) Chloromethane	2.06	50	548702	48.671	ug/l	99
4) Vinyl Chloride	2.19	62	532825	49.517	ug/l	99
5) Bromomethane	2.57	94	351065	49.929	ug/l	99
6) Chloroethane	2.71	64	312788	48.159	ug/l	99
7) Trichlorofluoromethane	3.02	101	687824	49.350	ug/l	99
8) Diethyl Ether	3.41	74	262039	47.967	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	444847	50.360	ug/l	100
10) Methyl Iodide	3.96	142	648221	52.352	ug/l	100
11) Tert butyl alcohol	4.78	59	139266	243.038	ug/l	99
12) 1,1-Dichloroethene	3.74	96	413653	48.413	ug/l	100
13) Acrolein	3.61	56	175557	243.668	ug/l	99
14) Allyl chloride	4.33	41	660251	47.944	ug/l	100
15) Acrylonitrile	4.99	53	819781	239.653	ug/l	99
16) Acetone	3.81	43	705824	308.359	ug/l	100
17) Carbon Disulfide	4.06	76	1287088	48.861	ug/l	99
18) Methyl Acetate	4.32	43	379107	43.969	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1163896	48.536	ug/l	99
20) Methylene Chloride	4.55	84	480708	46.980	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	453556	49.438	ug/l	99
22) Diisopropyl ether	5.95	45	1457920	49.143	ug/l	98
23) Vinyl Acetate	5.89	43	4624833	247.755	ug/l	99
24) 1,1-Dichloroethane	5.85	63	832528	48.656	ug/l	99
25) 2-Butanone	6.83	43	992842	254.021	ug/l	100
26) 2,2-Dichloropropane	6.82	77	635984	50.848	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516715	49.321	ug/l	100
28) Bromochloromethane	7.19	49	370702	50.840	ug/l	100
29) Tetrahydrofuran	7.21	42	617929	239.576	ug/l	99
30) Chloroform	7.37	83	822117	48.815	ug/l	99
31) Cyclohexane	7.65	56	807002	49.630	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	682713	48.647	ug/l	99
36) 1,1-Dichloropropene	7.79	75	654923	52.074	ug/l	99
37) Ethyl Acetate	6.93	43	405772	49.533	ug/l	99
38) Carbon Tetrachloride	7.77	117	611413	52.670	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	793847	54.484	ug/l	99
40) Benzene	8.04	78	1957573	50.956	ug/l	99
41) Methacrylonitrile	7.17	41	225730	44.384	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	571749	50.173	ug/l	100
43) Isopropyl Acetate	8.16	43	721001	44.739	ug/l	98
44) Trichloroethene	8.83	130	537797	50.982	ug/l	99
45) 1,2-Dichloropropane	9.12	63	517007	51.311	ug/l	99
46) Dibromomethane	9.21	93	299227	50.933	ug/l	99
47) Bromodichloromethane	9.40	83	632142	51.633	ug/l	100
48) Methyl methacrylate	9.20	41	371314	50.715	ug/l	100
49) 1,4-Dioxane	9.20	88	85137	1091.420	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2064628	254.759	ug/l	100
52) Toluene	10.16	92	1221028	51.807	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	665547	53.140	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	757811	52.361	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	432449	49.901	ug/l	99
56) Ethyl methacrylate	10.43	69	587638	52.180	ug/l	99
57) 1,3-Dichloropropane	10.71	76	744283	51.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1557314	255.785	ug/l	100
59) 2-Hexanone	10.75	43	1508559	271.679	ug/l	100
60) Dibromochloromethane	10.90	129	495257	52.985	ug/l	99
61) 1,2-Dibromoethane	11.00	107	440289	51.484	ug/l	99
64) Tetrachloroethene	10.63	164	593232	50.752	ug/l	99
65) Chlorobenzene	11.43	112	1363552	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	478972	50.723	ug/l	99
67) Ethyl Benzene	11.51	91	2391055	52.157	ug/l	100
68) m/p-Xylenes	11.62	106	1826456	105.954	ug/l	100
69) o-Xylene	11.95	106	881989	52.262	ug/l	99
70) Styrene	11.96	104	1465489	53.356	ug/l	100
71) Bromoform	12.13	173	352421	52.837	ug/l #	99
73) Isopropylbenzene	12.25	105	2336886	52.406	ug/l	100
74) N-amyl acetate	12.07	43	669543	50.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	504444	49.177	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	444774m	50.915	ug/l	
77) Bromobenzene	12.53	156	608332	51.114	ug/l	99
78) n-propylbenzene	12.59	91	2726502	54.054	ug/l	99
79) 2-Chlorotoluene	12.67	91	1579306	51.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1905520	53.051	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	161794	54.492	ug/l	98
82) 4-Chlorotoluene	12.77	91	1628701	52.042	ug/l	100
83) tert-Butylbenzene	12.99	119	1659088	52.646	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1952081	53.346	ug/l	100
85) sec-Butylbenzene	13.17	105	2251386	54.171	ug/l	100
86) p-Isopropyltoluene	13.29	119	1969999	54.747	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1078407	51.455	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1063295	51.144	ug/l	99
89) n-Butylbenzene	13.62	91	1659580	55.010	ug/l	100
90) Hexachloroethane	13.88	117	317047	54.971	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1006932	51.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66580	53.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	359464	58.234	ug/l	100
94) Hexachlorobutadiene	15.01	225	282407	55.934	ug/l	99
95) Naphthalene	15.13	128	603910	57.350	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238444	59.001	ug/l	99

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

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