

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052249.D
 Acq On : 10 Nov 2018 1:10
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:19:10 AM

Quant Time: Nov 12 04:18:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	275538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	429304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190241	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	153914	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.09	98	604398	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	197953	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	147416	49.212	ug/l	100
3) Chloromethane	2.06	50	202652	48.455	ug/l	100
4) Vinyl Chloride	2.19	62	172671	49.554	ug/l	96
5) Bromomethane	2.57	94	99952	45.211	ug/l	97
6) Chloroethane	2.71	64	95143	45.980	ug/l	98
7) Trichlorofluoromethane	3.02	101	231597	47.746	ug/l	96
8) Diethyl Ether	3.41	74	89834	47.077	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	140091	45.016	ug/l	98
10) Methyl Iodide	3.96	142	198667	49.202	ug/l	99
11) Tert butyl alcohol	4.79	59	39262	203.263	ug/l	99
12) 1,1-Dichloroethene	3.74	96	135989	47.208	ug/l	97
13) Acrolein	3.61	56	74027	247.372	ug/l	97
14) Allyl chloride	4.33	41	277833	46.068	ug/l	97
15) Acrylonitrile	4.99	53	294677	248.214	ug/l	99
16) Acetone	3.82	43	211603	223.228	ug/l	100
17) Carbon Disulfide	4.06	76	395991	47.389	ug/l	98
18) Methyl Acetate	4.33	43	146260	46.450	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	410310	49.856	ug/l	100
20) Methylene Chloride	4.55	84	159799	46.518	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	148596	47.464	ug/l	96
22) Diisopropyl ether	5.95	45	594999	49.214	ug/l	98
23) Vinyl Acetate	5.90	43	2113740	254.796	ug/l	100
24) 1,1-Dichloroethane	5.85	63	303295	47.496	ug/l	99
25) 2-Butanone	6.83	43	349913	217.675	ug/l	98
26) 2,2-Dichloropropane	6.83	77	188566	40.431	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	171142	48.836	ug/l	98
28) Bromochloromethane	7.20	49	159477	50.542	ug/l	99
29) Tetrahydrofuran	7.21	42	250112	239.071	ug/l	100
30) Chloroform	7.37	83	292092	48.332	ug/l	98
31) Cyclohexane	7.66	56	284985	48.223	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	243039	49.339	ug/l	99
36) 1,1-Dichloropropene	7.80	75	229937	47.767	ug/l	98
37) Ethyl Acetate	6.93	43	170403	47.066	ug/l	98
38) Carbon Tetrachloride	7.78	117	210447	48.242	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260647	47.472	ug/l	99
40) Benzene	8.04	78	666638	48.370	ug/l	99
41) Methacrylonitrile	7.18	41	94172	44.763	ug/l	97
42) 1,2-Dichloroethane	8.13	62	227916	47.133	ug/l	100
43) Isopropyl Acetate	8.17	43	314036	49.762	ug/l	99
44) Trichloroethene	8.84	130	162276	46.987	ug/l	99
45) 1,2-Dichloropropane	9.12	63	185430	48.160	ug/l	99
46) Dibromomethane	9.21	93	108010	48.837	ug/l	99
47) Bromodichloromethane	9.40	83	219368	47.874	ug/l	99
48) Methyl methacrylate	9.20	41	163045	49.034	ug/l	100
49) 1,4-Dioxane	9.20	88	22080	826.038	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	857111	245.934	ug/l	100
52) Toluene	10.16	92	402358	48.397	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	220510	48.766	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	259380	48.593	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	144035	47.932	ug/l	96
56) Ethyl methacrylate	10.43	69	204412	50.332	ug/l	99
57) 1,3-Dichloropropane	10.71	76	259329	48.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	586696	260.895	ug/l	99
59) 2-Hexanone	10.75	43	567820	232.089	ug/l	99
60) Dibromochloromethane	10.90	129	158197	51.901	ug/l	100
61) 1,2-Dibromoethane	11.00	107	146904	49.743	ug/l	100
64) Tetrachloroethene	10.63	164	142023	47.251	ug/l	99
65) Chlorobenzene	11.43	112	437729	48.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153676	49.873	ug/l	97
67) Ethyl Benzene	11.51	91	768809	48.050	ug/l	99
68) m/p-Xylenes	11.62	106	579875	97.315	ug/l	98
69) o-Xylene	11.95	106	280297	49.236	ug/l	100
70) Styrene	11.96	104	451437	49.083	ug/l	99
71) Bromoform	12.13	173	91663	49.865	ug/l #	99
73) Isopropylbenzene	12.25	105	744511	46.329	ug/l	100
74) N-amyl acetate	12.07	43	286058	49.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	182676	46.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	165292m	47.523	ug/l	
77) Bromobenzene	12.53	156	174079	46.277	ug/l	98
78) n-propylbenzene	12.59	91	878691	46.685	ug/l	100
79) 2-Chlorotoluene	12.67	91	505765	46.385	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	603610	47.230	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47178	46.301	ug/l	94
82) 4-Chlorotoluene	12.77	91	515604	47.128	ug/l	100
83) tert-Butylbenzene	12.99	119	533678	47.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	614779	47.709	ug/l	98
85) sec-Butylbenzene	13.17	105	729066	47.648	ug/l	100
86) p-Isopropyltoluene	13.29	119	609806	47.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	307690	46.987	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	303146	46.242	ug/l	99
89) n-Butylbenzene	13.62	91	540210	47.394	ug/l	99
90) Hexachloroethane	13.87	117	106764	47.519	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	294664	46.108	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26243	46.855	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	133049	52.649	ug/l	100
94) Hexachlorobutadiene	15.01	225	65072	47.387	ug/l	99
95) Naphthalene	15.13	128	326519	52.425	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	120592	50.473	ug/l	99

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

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