

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052815.D
 Acq On : 11 Dec 2018 21:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:33:41 AM

Quant Time: Dec 12 02:47:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	890748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1377502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1244219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	607482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	504964	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.59	113	404507	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.09	98	1743865	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	618573	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	333696	40.010	ug/l	98
3) Chloromethane	2.06	50	442021	40.150	ug/l	100
4) Vinyl Chloride	2.19	62	463195	40.957	ug/l	99
5) Bromomethane	2.57	94	259425	36.764	ug/l	99
6) Chloroethane	2.71	64	290513	42.408	ug/l	98
7) Trichlorofluoromethane	3.02	101	639174	46.011	ug/l	100
8) Diethyl Ether	3.41	74	251230	48.972	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	404778	46.696	ug/l	99
10) Methyl Iodide	3.96	142	527842	45.719	ug/l	99
11) Tert butyl alcohol	4.78	59	144206	297.001	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	380457	45.597	ug/l	98
13) Acrolein	3.61	56	235619	279.212	ug/l	99
14) Allyl chloride	4.33	41	661720	46.014	ug/l	99
15) Acrylonitrile	4.99	53	805579	262.102	ug/l	99
16) Acetone	3.82	43	543067	212.292	ug/l	98
17) Carbon Disulfide	4.06	76	942504	35.894	ug/l	100
18) Methyl Acetate	4.33	43	426009	58.057	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1156137	52.078	ug/l	99
20) Methylene Chloride	4.55	84	456015	45.553	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	408452	45.834	ug/l	96
22) Diisopropyl ether	5.95	45	1465180	48.504	ug/l	98
23) Vinyl Acetate	5.90	43	4388823	233.264	ug/l	98
24) 1,1-Dichloroethane	5.85	63	832610	48.274	ug/l	99
25) 2-Butanone	6.83	43	900509	248.358	ug/l	96
26) 2,2-Dichloropropane	6.83	77	562212	47.094	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	503777	48.530	ug/l	97
28) Bromochloromethane	7.19	49	384638	48.826	ug/l	96
29) Tetrahydrofuran	7.21	42	596788	255.184	ug/l	98
30) Chloroform	7.37	83	826224	48.015	ug/l	99
31) Cyclohexane	7.65	56	700866	41.925	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	675440	49.542	ug/l	98
36) 1,1-Dichloropropene	7.80	75	597064	45.899	ug/l	98
37) Ethyl Acetate	6.93	43	396269	49.916	ug/l	99
38) Carbon Tetrachloride	7.78	117	571884	48.564	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	698015	44.148	ug/l	98
40) Benzene	8.04	78	1866796	48.155	ug/l	100
41) Methacrylonitrile	7.17	41	233290	53.751	ug/l	95
42) 1,2-Dichloroethane	8.13	62	581125	49.508	ug/l	99
43) Isopropyl Acetate	8.16	43	766495	57.053	ug/l	97
44) Trichloroethene	8.84	130	496624	50.012	ug/l	100
45) 1,2-Dichloropropane	9.12	63	511564	49.635	ug/l	99
46) Dibromomethane	9.21	93	293039	51.360	ug/l	98
47) Bromodichloromethane	9.40	83	631835	50.934	ug/l	99
48) Methyl methacrylate	9.20	41	365058	52.112	ug/l	97
49) 1,4-Dioxane	9.20	88	84720	1165.291	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2062743	273.651	ug/l	99
52) Toluene	10.16	92	1161495	50.427	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	630170	52.805	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	734229	51.341	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	433630	53.522	ug/l	97
56) Ethyl methacrylate	10.43	69	573507	50.924	ug/l	98
57) 1,3-Dichloropropane	10.71	76	730857	51.088	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1584241	269.476	ug/l	98
59) 2-Hexanone	10.75	43	1400760	276.882	ug/l	99
60) Dibromochloromethane	10.90	129	474766	53.953	ug/l	99
61) 1,2-Dibromoethane	11.01	107	420853	52.300	ug/l	100
64) Tetrachloroethene	10.63	164	539146	55.889	ug/l	98
65) Chlorobenzene	11.43	112	1283867	50.042	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	466161	52.257	ug/l	100
67) Ethyl Benzene	11.51	91	2231522	49.669	ug/l	100
68) m/p-Xylenes	11.62	106	1675260	100.162	ug/l	100
69) o-Xylene	11.95	106	829099	51.047	ug/l	99
70) Styrene	11.96	104	1381059	53.386	ug/l	99
71) Bromoform	12.13	173	327585	55.461	ug/l #	99
73) Isopropylbenzene	12.25	105	2227913	46.745	ug/l	99
74) N-amyl acetate	12.07	43	652498	54.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	512982	47.315	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	446905m	47.707	ug/l	
77) Bromobenzene	12.53	156	569951	48.381	ug/l	97
78) n-propylbenzene	12.59	91	2551576	47.125	ug/l	99
79) 2-Chlorotoluene	12.68	91	1506918	46.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1806718	47.531	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	140680	50.152	ug/l	99
82) 4-Chlorotoluene	12.77	91	1536961	47.297	ug/l	99
83) tert-Butylbenzene	12.99	119	1603364	47.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1841173	48.333	ug/l	100
85) sec-Butylbenzene	13.17	105	2184975	47.339	ug/l	99
86) p-Isopropyltoluene	13.29	119	1890190	48.082	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1020076	49.503	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	999194	49.227	ug/l	100
89) n-Butylbenzene	13.62	91	1594302	48.765	ug/l	100
90) Hexachloroethane	13.88	117	315690	47.427	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	990267	50.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81277	52.416	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	543352	50.359	ug/l	99
94) Hexachlorobutadiene	15.01	225	305741	48.273	ug/l	99
95) Naphthalene	15.13	128	1134697	49.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	494909	49.915	ug/l	100

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

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