

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	702148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1035623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	946954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	494601	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	437998	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	413918	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1589199	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	538560	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	373936	47.24	ug/l	98
3) Chloromethane	2.06	50	504366	52.31	ug/l	99
4) Vinyl Chloride	2.18	62	493145	46.90	ug/l	99
5) Bromomethane	2.56	94	285272	50.50	ug/l	99
6) Chloroethane	2.70	64	293324	50.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	638151	46.25	ug/l	99
8) Diethyl Ether	3.41	74	224668	48.95	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	388708	46.59	ug/l	100
10) Methyl Iodide	3.95	142	328274	54.60	ug/l	98
11) Tert butyl alcohol	4.79	59	125011	258.68	ug/l	99
12) 1,1-Dichloroethene	3.73	96	371844	48.81	ug/l	99
13) Acrolein	3.61	56	45060	244.51	ug/l	96
14) Allyl chloride	4.32	41	578719	48.83	ug/l	99
15) Acrylonitrile	4.99	53	658680	248.16	ug/l	99
16) Acetone	3.82	43	553246	250.35	ug/l	99
17) Carbon Disulfide	4.05	76	1176420	49.07	ug/l	100
18) Methyl Acetate	4.33	43	308243	49.58	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1002064	51.68	ug/l	100
20) Methylene Chloride	4.55	84	426359	50.70	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	403053	48.80	ug/l	99
22) Diisopropyl ether	5.96	45	1249114	51.41	ug/l	99
23) Vinyl Acetate	5.90	43	4176633	262.78	ug/l	99
24) 1,1-Dichloroethane	5.85	63	739868	47.06	ug/l	99
25) 2-Butanone	6.84	43	894288	246.44	ug/l	100
26) 2,2-Dichloropropane	6.83	77	469932	44.66	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	451069	49.04	ug/l	100
28) Bromochloromethane	7.20	49	344527	48.15	ug/l	100
29) Tetrahydrofuran	7.21	42	484310	255.61	ug/l	100
30) Chloroform	7.37	83	742711	46.62	ug/l	99
31) Cyclohexane	7.65	56	673218	50.18	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	633675	47.25	ug/l	99
36) 1,1-Dichloropropene	7.79	75	579428	50.26	ug/l	100
37) Ethyl Acetate	6.93	43	335251	51.45	ug/l	99
38) Carbon Tetrachloride	7.78	117	569529	47.62	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627297	52.56	ug/l	100
40) Benzene	8.04	78	1730518	49.34	ug/l	99
41) Methacrylonitrile	7.18	41	186821	53.03	ug/l	97
42) 1,2-Dichloroethane	8.13	62	520078	48.38	ug/l	100
43) Isopropyl Acetate	8.17	43	591132	49.78	ug/l #	86
44) Trichloroethene	8.84	130	456509	48.59	ug/l	100
45) 1,2-Dichloropropane	9.12	63	452362	48.45	ug/l	100
46) Dibromomethane	9.21	93	264003	47.89	ug/l	97
47) Bromodichloromethane	9.40	83	565049	47.95	ug/l	100
48) Methyl methacrylate	9.20	41	295266	49.41	ug/l	99
49) 1,4-Dioxane	9.20	88	79565	1010.71	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2050752	255.33	ug/l	99
52) Toluene	10.16	92	1071866	51.19	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	565614	51.53	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	651132	51.71	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	378523	48.39	ug/l	99
56) Ethyl methacrylate	10.43	69	482801	48.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	636170	49.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1157623	242.50	ug/l	100
59) 2-Hexanone	10.75	43	1355784	261.54	ug/l	99
60) Dibromochloromethane	10.90	129	435527	50.44	ug/l	99
61) 1,2-Dibromoethane	11.01	107	378743	50.84	ug/l	100
64) Tetrachloroethene	10.63	164	420402	47.80	ug/l	98
65) Chlorobenzene	11.44	112	1178712	50.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	431324	48.82	ug/l	99
67) Ethyl Benzene	11.51	91	2025829	53.24	ug/l	100
68) m/p-Xylenes	11.62	106	1560505	107.22	ug/l	100
69) o-Xylene	11.95	106	749157	53.98	ug/l	100
70) Styrene	11.96	104	1240103	50.24	ug/l	99
71) Bromoform	12.13	173	298040	50.88	ug/l #	99
73) Isopropylbenzene	12.25	105	1988649	51.46	ug/l	100
74) N-amyl acetate	12.07	43	519294	51.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	463732	51.77	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	410980m	51.46	ug/l	
77) Bromobenzene	12.53	156	507821	48.40	ug/l	99
78) n-propylbenzene	12.59	91	2258868	52.42	ug/l	99
79) 2-Chlorotoluene	12.68	91	1348415	50.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1617221	52.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	111316	50.04	ug/l	98
82) 4-Chlorotoluene	12.77	91	1373986	51.75	ug/l	99
83) tert-Butylbenzene	12.99	119	1396484	52.00	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1660794	53.48	ug/l	100
85) sec-Butylbenzene	13.17	105	1837115	52.34	ug/l	99
86) p-Isopropyltoluene	13.29	119	1612075	54.21	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	892654	49.98	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	871943	49.19	ug/l	99
89) n-Butylbenzene	13.62	91	1289745	53.71	ug/l	99
90) Hexachloroethane	13.88	117	284856	47.63	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	849220	48.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66936	48.55	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	451997	50.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	260811	48.82	ug/l	99
95) Naphthalene	15.13	128	974862	51.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	431257	51.56	ug/l	99

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

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