

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051163.D
 Acq On : 13 Sep 2018 11:28
 Operator : MD\SY
 Sample : VN0913WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2018 11:47:05 AM

Quant Time: Sep 14 02:03:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	578142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	746186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	349507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	340320	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	7.59	113	329045	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.09	98	1208741	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	383470	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	102055	18.30	ug/l	99
3) Chloromethane	2.06	50	138394	18.89	ug/l	98
4) Vinyl Chloride	2.18	62	140525	18.36	ug/l	98
5) Bromomethane	2.56	94	78498	17.54	ug/l	96
6) Chloroethane	2.70	64	86045	18.22	ug/l	98
7) Trichlorofluoromethane	3.01	101	200458	19.77	ug/l	98
8) Diethyl Ether	3.41	74	73544	19.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	125462	19.19	ug/l	100
10) Methyl Iodide	3.95	142	82305	17.58	ug/l	99
11) Tert butyl alcohol	4.80	59	53445	108.75	ug/l	99
12) 1,1-Dichloroethene	3.73	96	112974	18.32	ug/l	99
13) Acrolein	3.61	56	43300	89.46	ug/l	97
14) Allyl chloride	4.32	41	174530	18.58	ug/l	99
15) Acrylonitrile	5.00	53	239174	109.84	ug/l	99
16) Acetone	3.82	43	177919	108.54	ug/l	100
17) Carbon Disulfide	4.05	76	326340	18.03	ug/l	98
18) Methyl Acetate	4.33	43	117579	22.82	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	331439	20.33	ug/l	99
20) Methylene Chloride	4.55	84	135213	19.03	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123152	18.41	ug/l	97
22) Diisopropyl ether	5.96	45	393667	21.11	ug/l	99
23) Vinyl Acetate	5.90	43	1307088	103.56	ug/l	99
24) 1,1-Dichloroethane	5.85	63	233902	19.77	ug/l	100
25) 2-Butanone	6.84	43	264108	104.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	182876	18.88	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	141010	19.22	ug/l	99
28) Bromochloromethane	7.20	49	95319	18.10	ug/l	99
29) Tetrahydrofuran	7.22	42	176392	111.66	ug/l	99
30) Chloroform	7.37	83	238906	20.30	ug/l	100
31) Cyclohexane	7.65	56	199517	18.77	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	200093	19.95	ug/l	100
36) 1,1-Dichloropropene	7.79	75	170116	18.52	ug/l	99
37) Ethyl Acetate	6.93	43	116692	21.93	ug/l	98
38) Carbon Tetrachloride	7.78	117	180156	19.92	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	179954	17.75	ug/l	99
40) Benzene	8.04	78	535781	19.35	ug/l	98
41) Methacrylonitrile	7.18	41	58011	21.13	ug/l	97
42) 1,2-Dichloroethane	8.13	62	163837	20.30	ug/l	98
43) Isopropyl Acetate	8.17	43	211760	22.55	ug/l	97
44) Trichloroethene	8.84	130	142954	18.88	ug/l	96
45) 1,2-Dichloropropane	9.12	63	140958	19.70	ug/l	98
46) Dibromomethane	9.21	93	87136	19.96	ug/l	99
47) Bromodichloromethane	9.40	83	179160	20.19	ug/l	99
48) Methyl methacrylate	9.20	41	97454	21.30	ug/l	98
49) 1,4-Dioxane	9.20	88	31466	438.56	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	591357	113.90	ug/l	99
52) Toluene	10.16	92	337085	19.97	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176136	19.83	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	204294	19.62	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	132838	21.66	ug/l	98
56) Ethyl methacrylate	10.43	69	154917	20.36	ug/l	99
57) 1,3-Dichloropropane	10.71	76	207834	20.44	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	301987	97.20	ug/l	99
59) 2-Hexanone	10.75	43	384901	109.31	ug/l	97
60) Dibromochloromethane	10.90	129	141578	20.48	ug/l	100
61) 1,2-Dibromoethane	11.01	107	121934	20.34	ug/l	98
64) Tetrachloroethene	10.63	164	129323	18.99	ug/l	98
65) Chlorobenzene	11.44	112	363466	19.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	139813	20.65	ug/l	99
67) Ethyl Benzene	11.51	91	587399	19.28	ug/l	99
68) m/p-Xylenes	11.62	106	461431	39.43	ug/l	99
69) o-Xylene	11.95	106	223235	19.70	ug/l	100
70) Styrene	11.96	104	351322	19.98	ug/l	99
71) Bromoform	12.13	173	100155	21.01	ug/l #	100
73) Isopropylbenzene	12.25	105	586953	20.03	ug/l	100
74) N-amyl acetate	12.07	43	149645	20.29	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	166463	23.92	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140324m	25.16	ug/l	
77) Bromobenzene	12.53	156	152831	19.41	ug/l	98
78) n-propylbenzene	12.59	91	635373	19.72	ug/l	100
79) 2-Chlorotoluene	12.68	91	394225	19.58	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	474465	20.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36936	20.07	ug/l	92
82) 4-Chlorotoluene	12.77	91	383401	19.18	ug/l	100
83) tert-Butylbenzene	12.99	119	405108	19.36	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	471775	20.25	ug/l	100
85) sec-Butylbenzene	13.17	105	526425	19.62	ug/l	99
86) p-Isopropyltoluene	13.29	119	449448	19.76	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	245181	18.36	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	237543	19.38	ug/l	98
89) n-Butylbenzene	13.62	91	313837	17.73	ug/l	99
90) Hexachloroethane	13.88	117	87585	20.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	246575	18.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22562	22.90	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	87005	16.71	ug/l	99
94) Hexachlorobutadiene	15.01	225	77130	19.26	ug/l	98
95) Naphthalene	15.13	128	176608	17.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	94823	17.80	ug/l	99

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

