

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051143.D
 Acq On : 12 Sep 2018 11:17
 Operator : MD\SY
 Sample : VN0912WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 5:20:06 PM

Quant Time: Sep 13 08:02:18 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	629102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	900283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	808563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368190	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	371301	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
35) Dibromofluoromethane	7.59	113	357575	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.09	98	1325328	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.40	95	417227	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	108789	17.93	ug/l	97
3) Chloromethane	2.06	50	144877	18.15	ug/l	98
4) Vinyl Chloride	2.18	62	150718	18.10	ug/l	100
5) Bromomethane	2.56	94	79438	16.24	ug/l	96
6) Chloroethane	2.70	64	90739	17.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	208011	18.85	ug/l	96
8) Diethyl Ether	3.41	74	79517	19.59	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	132202	18.59	ug/l	99
10) Methyl Iodide	3.95	142	80913	16.42	ug/l	100
11) Tert butyl alcohol	4.80	59	59210	110.73	ug/l	100
12) 1,1-Dichloroethene	3.73	96	124967	18.62	ug/l	97
13) Acrolein	3.61	56	58414	105.08	ug/l	99
14) Allyl chloride	4.32	41	186226	18.21	ug/l	99
15) Acrylonitrile	5.00	53	253730	107.08	ug/l	99
16) Acetone	3.82	43	181503	101.38	ug/l	98
17) Carbon Disulfide	4.05	76	355982	18.07	ug/l	100
18) Methyl Acetate	4.33	43	119612	21.34	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	356467	20.09	ug/l	99
20) Methylene Chloride	4.55	84	144314	18.66	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	131658	18.09	ug/l	97
22) Diisopropyl ether	5.96	45	409190	20.16	ug/l	98
23) Vinyl Acetate	5.90	43	1393674	101.48	ug/l	100
24) 1,1-Dichloroethane	5.85	63	245668	19.08	ug/l	99
25) 2-Butanone	6.84	43	281181	102.15	ug/l	99
26) 2,2-Dichloropropane	6.83	77	183082	17.37	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149159	18.68	ug/l	100
28) Bromochloromethane	7.20	49	114558	19.99	ug/l	100
29) Tetrahydrofuran	7.22	42	192606	112.05	ug/l	98
30) Chloroform	7.37	83	251893	19.66	ug/l	99
31) Cyclohexane	7.65	56	213996	18.50	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	210716	19.31	ug/l	100
36) 1,1-Dichloropropene	7.80	75	181476	18.36	ug/l	99
37) Ethyl Acetate	6.94	43	129107	22.55	ug/l	99
38) Carbon Tetrachloride	7.77	117	187695	19.29	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	193434	17.74	ug/l	97
40) Benzene	8.04	78	576513	19.36	ug/l	100
41) Methacrylonitrile	7.18	41	58082	19.66	ug/l	95
42) 1,2-Dichloroethane	8.13	62	175260	20.19	ug/l	99
43) Isopropyl Acetate	8.17	43	219464	21.73	ug/l	99
44) Trichloroethene	8.84	130	151729	18.62	ug/l	100
45) 1,2-Dichloropropane	9.12	63	150237	19.52	ug/l	100
46) Dibromomethane	9.21	93	94271	20.08	ug/l	98
47) Bromodichloromethane	9.40	83	189297	19.83	ug/l	100
48) Methyl methacrylate	9.20	41	102674	20.86	ug/l	99
49) 1,4-Dioxane	9.20	88	33154	429.51	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	637495	114.13	ug/l	100
52) Toluene	10.16	92	358196	19.72	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	180872	18.93	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	216439	19.32	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135555	20.55	ug/l	97
56) Ethyl methacrylate	10.43	69	166319	20.32	ug/l	98
57) 1,3-Dichloropropane	10.71	76	223246	20.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	325796	97.43	ug/l	99
59) 2-Hexanone	10.75	43	410676	108.41	ug/l	98
60) Dibromochloromethane	10.90	129	146335	19.68	ug/l	98
61) 1,2-Dibromoethane	11.01	107	130424	20.22	ug/l	99
64) Tetrachloroethene	10.63	164	139945	18.97	ug/l	98
65) Chlorobenzene	11.43	112	377291	18.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	144630	19.71	ug/l	99
67) Ethyl Benzene	11.51	91	626134	18.97	ug/l	99
68) m/p-Xylenes	11.62	106	491550	38.76	ug/l	100
69) o-Xylene	11.95	106	239305	19.49	ug/l	99
70) Styrene	11.97	104	367907	19.31	ug/l	98
71) Bromoform	12.13	173	103810	20.09	ug/l #	99
73) Isopropylbenzene	12.25	105	622427	20.16	ug/l	100
74) N-amyl acetate	12.07	43	159735	20.56	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	176523	24.09	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	140046m	23.75	ug/l	
77) Bromobenzene	12.53	156	159130	19.19	ug/l	97
78) n-propylbenzene	12.59	91	666734	19.64	ug/l	100
79) 2-Chlorotoluene	12.67	91	416974	19.66	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	500653	20.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37192	19.18	ug/l	96
82) 4-Chlorotoluene	12.77	91	402624	19.12	ug/l	100
83) tert-Butylbenzene	12.99	119	426192	19.34	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	507058	20.66	ug/l	100
85) sec-Butylbenzene	13.17	105	553283	19.58	ug/l	99
86) p-Isopropyltoluene	13.29	119	467160	19.49	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	256936	18.26	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	250497	19.40	ug/l	99
89) n-Butylbenzene	13.62	91	326854	17.52	ug/l	99
90) Hexachloroethane	13.88	117	89019	20.03	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	257401	18.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22733	21.93	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	92233	16.79	ug/l	100
94) Hexachlorobutadiene	15.01	225	79094	18.70	ug/l	99
95) Naphthalene	15.13	128	187908	17.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	99641	17.76	ug/l	100

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

