

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050620.D
 Acq On : 14 Aug 2018 23:25
 Operator : MD\SY
 Sample : VN0814WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:25 PM

Quant Time: Aug 15 13:45:49 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	639154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	925022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	424390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	398897	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.59	113	371708	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	1391945	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	449443	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	136422	18.93	ug/l	98
3) Chloromethane	2.06	50	179071	20.10	ug/l	99
4) Vinyl Chloride	2.18	62	182225	19.04	ug/l	98
5) Bromomethane	2.56	94	103479	18.81	ug/l	99
6) Chloroethane	2.70	64	110144	19.75	ug/l	97
7) Trichlorofluoromethane	3.01	101	236678	18.84	ug/l	98
8) Diethyl Ether	3.41	74	79038	18.92	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144366	19.01	ug/l	99
10) Methyl Iodide	3.95	142	98527	22.66	ug/l	99
11) Tert butyl alcohol	4.79	59	44636	101.47	ug/l	99
12) 1,1-Dichloroethene	3.73	96	131266	18.93	ug/l	99
13) Acrolein	3.61	56	14767	81.34	ug/l	95
14) Allyl chloride	4.32	41	202952	18.81	ug/l	99
15) Acrylonitrile	4.99	53	239395	99.08	ug/l	99
16) Acetone	3.82	43	203594	100.34	ug/l	100
17) Carbon Disulfide	4.05	76	409773	18.78	ug/l	100
18) Methyl Acetate	4.33	43	117633	20.20	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	349858	19.82	ug/l	99
20) Methylene Chloride	4.55	84	158658	19.95	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	142740	18.98	ug/l	98
22) Diisopropyl ether	5.95	45	447719	20.24	ug/l	94
23) Vinyl Acetate	5.90	43	1446350	99.97	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269291	18.82	ug/l	99
25) 2-Butanone	6.84	43	327756	99.22	ug/l	100
26) 2,2-Dichloropropane	6.83	77	184460	19.26	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160434	19.16	ug/l	99
28) Bromochloromethane	7.20	49	128328	19.70	ug/l	99
29) Tetrahydrofuran	7.22	42	176365	102.25	ug/l	99
30) Chloroform	7.37	83	273593	18.86	ug/l	99
31) Cyclohexane	7.66	56	237392	19.23	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	231066	18.93	ug/l	98
36) 1,1-Dichloropropene	7.79	75	203476	19.76	ug/l	100
37) Ethyl Acetate	6.93	43	124449	21.38	ug/l	98
38) Carbon Tetrachloride	7.78	117	206761	19.36	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	207681	19.48	ug/l	98
40) Benzene	8.04	78	627512	20.03	ug/l	100
41) Methacrylonitrile	7.18	41	53657	17.05	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	192134	20.01	ug/l	100
43) Isopropyl Acetate	8.17	43	216574	20.42	ug/l	100
44) Trichloroethene	8.84	130	164348	19.59	ug/l	98
45) 1,2-Dichloropropane	9.12	63	165960	19.90	ug/l	100
46) Dibromomethane	9.21	93	98006	19.90	ug/l	98
47) Bromodichloromethane	9.40	83	203257	19.31	ug/l	98
48) Methyl methacrylate	9.20	41	105141	19.70	ug/l	98
49) 1,4-Dioxane	9.20	88	29504	419.60	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	750274	104.58	ug/l	100
52) Toluene	10.16	92	384223	20.54	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	196901	20.08	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	228139	20.28	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140510	20.11	ug/l	97
56) Ethyl methacrylate	10.43	69	162708	19.46	ug/l	99
57) 1,3-Dichloropropane	10.71	76	233510	20.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	383066	96.40	ug/l	99
59) 2-Hexanone	10.75	43	490587	105.95	ug/l	99
60) Dibromochloromethane	10.90	129	155290	20.14	ug/l	99
61) 1,2-Dibromoethane	11.01	107	134575	20.22	ug/l	100
64) Tetrachloroethene	10.63	164	155766	19.49	ug/l	99
65) Chlorobenzene	11.44	112	422431	19.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154973	19.30	ug/l	100
67) Ethyl Benzene	11.51	91	690244	19.96	ug/l	100
68) m/p-Xylenes	11.62	106	540397	40.86	ug/l	99
69) o-Xylene	11.95	106	256014	20.30	ug/l	99
70) Styrene	11.97	104	418978	19.27	ug/l	100
71) Bromoform	12.13	173	104482	19.63	ug/l #	100
73) Isopropylbenzene	12.25	105	677393	20.43	ug/l	100
74) N-amyl acetate	12.07	43	174687	20.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175061	21.41	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132696m	18.71	ug/l	
77) Bromobenzene	12.53	156	176852	19.65	ug/l	98
78) n-propylbenzene	12.59	91	765565	20.71	ug/l	99
79) 2-Chlorotoluene	12.68	91	472198	20.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	558973	21.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38350	20.09	ug/l	98
82) 4-Chlorotoluene	12.77	91	471384	20.69	ug/l	100
83) tert-Butylbenzene	12.99	119	461973	20.05	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	567917	21.31	ug/l	100
85) sec-Butylbenzene	13.17	105	624661	20.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	536154	21.01	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	304744	19.89	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292368	19.22	ug/l	99
89) n-Butylbenzene	13.62	91	405083	19.66	ug/l	98
90) Hexachloroethane	13.88	117	98392	19.18	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	296819	19.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23844	20.15	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	127077	18.35	ug/l	98
94) Hexachlorobutadiene	15.01	225	88991	19.41	ug/l	99
95) Naphthalene	15.13	128	258279	18.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127077	18.98	ug/l	98

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

