

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052893.D
 Acq On : 14 Dec 2018 17:18
 Operator : MD\SY
 Sample : VN1214WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 3:06:00 PM

Quant Time: Dec 15 03:34:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1144211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1766249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	720861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	589501	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.59	113	384776	39.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.06%	
50) Toluene-d8	10.09	98	2120828	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	727417	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	227681	19.330	ug/l	99
3) Chloromethane	2.06	50	273503	19.347	ug/l	99
4) Vinyl Chloride	2.19	62	275444	19.476	ug/l	99
5) Bromomethane	2.58	94	168878	19.360	ug/l	99
6) Chloroethane	2.71	64	165522	19.800	ug/l	99
7) Trichlorofluoromethane	3.03	101	343399	19.584	ug/l	100
8) Diethyl Ether	3.41	74	127861	19.990	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	213963	19.689	ug/l	98
10) Methyl Iodide	3.96	142	305435	20.070	ug/l	99
11) Tert butyl alcohol	4.78	59	63512	93.428	ug/l	100
12) 1,1-Dichloroethene	3.74	96	209196	19.886	ug/l	98
13) Acrolein	3.61	56	21193	33.112	ug/l	99
14) Allyl chloride	4.33	41	319769	18.610	ug/l	99
15) Acrylonitrile	4.99	53	362536	95.061	ug/l	99
16) Acetone	3.82	43	214696	78.573	ug/l	95
17) Carbon Disulfide	4.06	76	599451	18.549	ug/l	99
18) Methyl Acetate	4.33	43	196043	19.549	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	558650	19.561	ug/l	100
20) Methylene Chloride	4.56	84	236713	19.250	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	221357	19.422	ug/l	95
22) Diisopropyl ether	5.95	45	714372	19.488	ug/l	98
23) Vinyl Acetate	5.90	43	2037182	93.397	ug/l	99
24) 1,1-Dichloroethane	5.85	63	414601	19.613	ug/l	99
25) 2-Butanone	6.83	43	373281	88.042	ug/l	96
26) 2,2-Dichloropropane	6.83	77	309737	19.897	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	252863	19.548	ug/l	100
28) Bromochloromethane	7.20	49	185323	19.524	ug/l	98
29) Tetrahydrofuran	7.21	42	270694	93.522	ug/l	98
30) Chloroform	7.37	83	406279	19.709	ug/l	100
31) Cyclohexane	7.66	56	398104	18.950	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	340952	19.769	ug/l	99
36) 1,1-Dichloropropene	7.80	75	313733	19.289	ug/l	99
37) Ethyl Acetate	6.93	43	180492	18.473	ug/l	99
38) Carbon Tetrachloride	7.78	117	292285	19.523	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380429	19.060	ug/l	99
40) Benzene	8.04	78	959642	19.658	ug/l	99
41) Methacrylonitrile	7.17	41	107531	19.862	ug/l	94
42) 1,2-Dichloroethane	8.13	62	283756	19.308	ug/l	99
43) Isopropyl Acetate	8.16	43	358664	17.904	ug/l	99
44) Trichloroethene	8.84	130	278873	21.149	ug/l	97
45) 1,2-Dichloropropane	9.12	63	249349	19.501	ug/l	100
46) Dibromomethane	9.21	93	142938	19.276	ug/l	98
47) Bromodichloromethane	9.40	83	302269	19.657	ug/l	97
48) Methyl methacrylate	9.20	41	171052	19.470	ug/l	99
49) 1,4-Dioxane	9.20	88	39586	396.968	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	881389	95.950	ug/l	99
52) Toluene	10.16	92	591154	19.994	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	307770	19.890	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	364461	19.766	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	206503	19.566	ug/l	99
56) Ethyl methacrylate	10.43	69	266788	19.697	ug/l	99
57) 1,3-Dichloropropane	10.71	76	355079	19.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	751760	99.469	ug/l	100
59) 2-Hexanone	10.75	43	589770	93.684	ug/l	99
60) Dibromochloromethane	10.90	129	223452	19.590	ug/l	99
61) 1,2-Dibromoethane	11.01	107	203044	19.462	ug/l	99
64) Tetrachloroethene	10.63	164	333547	24.614	ug/l	99
65) Chlorobenzene	11.43	112	643382	19.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	225732	19.842	ug/l	100
67) Ethyl Benzene	11.51	91	1118783	19.916	ug/l	100
68) m/p-Xylenes	11.62	106	845766	40.097	ug/l	99
69) o-Xylene	11.95	106	414622	20.130	ug/l	100
70) Styrene	11.96	104	674231	20.363	ug/l	100
71) Bromoform	12.13	173	148769	19.249	ug/l #	97
73) Isopropylbenzene	12.25	105	1087988	20.215	ug/l	99
74) N-amyl acetate	12.07	43	298320	20.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	191672	15.890	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202169m	19.009	ug/l	
77) Bromobenzene	12.53	156	278311	20.330	ug/l	98
78) n-propylbenzene	12.59	91	1238419	20.175	ug/l	100
79) 2-Chlorotoluene	12.67	91	737079	20.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	880306	20.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	67168	20.288	ug/l	98
82) 4-Chlorotoluene	12.77	91	740887	19.968	ug/l	100
83) tert-Butylbenzene	12.99	119	770498	20.103	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	880649	20.022	ug/l	100
85) sec-Butylbenzene	13.17	105	1046645	20.165	ug/l	100
86) p-Isopropyltoluene	13.29	119	901955	20.057	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	477884	19.644	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	474003	19.675	ug/l	99
89) n-Butylbenzene	13.62	91	740125	19.551	ug/l	100
90) Hexachloroethane	13.88	117	133022	17.666	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	453032	19.359	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33873	18.629	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	232404	18.270	ug/l	100
94) Hexachlorobutadiene	15.01	225	137247	18.641	ug/l	99
95) Naphthalene	15.13	128	492870	18.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	204286	17.502	ug/l	99

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

