

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050725.D
 Acq On : 17 Aug 2018 13:09
 Operator : MD\SY
 Sample : VN0817WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:53:04 AM

Quant Time: Aug 18 00:12:34 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	635448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	924939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	827660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	399836	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.59	113	370681	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.09	98	1382534	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	435375	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	126593	17.67	ug/l	100
3) Chloromethane	2.06	50	170350	19.21	ug/l	98
4) Vinyl Chloride	2.18	62	173202	18.20	ug/l	99
5) Bromomethane	2.56	94	101599	18.55	ug/l	93
6) Chloroethane	2.70	64	106768	19.21	ug/l	97
7) Trichlorofluoromethane	3.01	101	228701	18.31	ug/l	99
8) Diethyl Ether	3.41	74	80031	19.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	139388	18.46	ug/l	99
10) Methyl Iodide	3.95	142	88446	21.14	ug/l	98
11) Tert butyl alcohol	4.79	59	45674	104.43	ug/l	100
12) 1,1-Dichloroethene	3.73	96	127526	18.50	ug/l	98
13) Acrolein	3.61	56	10272	53.77	ug/l	93
14) Allyl chloride	4.33	41	201682	18.80	ug/l	99
15) Acrylonitrile	4.99	53	236559	98.48	ug/l	99
16) Acetone	3.82	43	221723	110.05	ug/l	98
17) Carbon Disulfide	4.05	76	384380	17.72	ug/l	99
18) Methyl Acetate	4.33	43	126896	22.00	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	345250	19.67	ug/l	97
20) Methylene Chloride	4.55	84	157625	19.94	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141069	18.87	ug/l	99
22) Diisopropyl ether	5.96	45	450404	20.48	ug/l	97
23) Vinyl Acetate	5.90	43	1420209	98.73	ug/l	100
24) 1,1-Dichloroethane	5.85	63	269657	18.95	ug/l	99
25) 2-Butanone	6.84	43	334066	101.72	ug/l	99
26) 2,2-Dichloropropane	6.83	77	204266	21.45	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157857	18.96	ug/l	98
28) Bromochloromethane	7.20	49	119748	18.49	ug/l	99
29) Tetrahydrofuran	7.22	42	175602	102.41	ug/l	99
30) Chloroform	7.37	83	270870	18.79	ug/l	99
31) Cyclohexane	7.66	56	227546	18.52	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	227858	18.77	ug/l	99
36) 1,1-Dichloropropene	7.80	75	200774	19.50	ug/l	99
37) Ethyl Acetate	6.93	43	121231	20.83	ug/l	98
38) Carbon Tetrachloride	7.78	117	204227	19.12	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203253	19.07	ug/l	98
40) Benzene	8.04	78	620299	19.80	ug/l	100
41) Methacrylonitrile	7.18	41	68305	21.71	ug/l	97
42) 1,2-Dichloroethane	8.13	62	189330	19.72	ug/l	99
43) Isopropyl Acetate	8.17	43	212675	20.05	ug/l #	88
44) Trichloroethene	8.84	130	161466	19.24	ug/l	100
45) 1,2-Dichloropropane	9.12	63	165879	19.89	ug/l	96
46) Dibromomethane	9.21	93	96229	19.54	ug/l	97
47) Bromodichloromethane	9.40	83	204234	19.41	ug/l	97
48) Methyl methacrylate	9.20	41	104367	19.56	ug/l	99
49) 1,4-Dioxane	9.20	88	28616	407.01	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	746999	104.14	ug/l	99
52) Toluene	10.16	92	375774	20.09	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191850	19.57	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	228831	20.35	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	137442	19.67	ug/l	99
56) Ethyl methacrylate	10.43	69	160602	19.24	ug/l	99
57) 1,3-Dichloropropane	10.71	76	229661	20.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	374339	94.45	ug/l	100
59) 2-Hexanone	10.75	43	479563	103.58	ug/l	99
60) Dibromochloromethane	10.90	129	154072	19.98	ug/l	98
61) 1,2-Dibromoethane	11.01	107	132114	19.86	ug/l	100
64) Tetrachloroethene	10.63	164	150256	19.55	ug/l	99
65) Chlorobenzene	11.44	112	402241	19.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	152753	19.78	ug/l	100
67) Ethyl Benzene	11.51	91	658253	19.79	ug/l	98
68) m/p-Xylenes	11.62	106	517604	40.69	ug/l	99
69) o-Xylene	11.95	106	242237	19.97	ug/l	100
70) Styrene	11.97	104	393708	18.85	ug/l	100
71) Bromoform	12.13	173	100700	19.67	ug/l #	100
73) Isopropylbenzene	12.25	105	648242	20.78	ug/l	99
74) N-amyl acetate	12.07	43	163932	20.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169021	22.03	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	136006m	20.47	ug/l	
77) Bromobenzene	12.53	156	167511	19.77	ug/l	99
78) n-propylbenzene	12.59	91	729252	20.96	ug/l	99
79) 2-Chlorotoluene	12.68	91	448806	20.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	530373	21.23	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38922	21.67	ug/l	98
82) 4-Chlorotoluene	12.77	91	443394	20.68	ug/l	100
83) tert-Butylbenzene	12.99	119	446676	20.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	534632	21.32	ug/l	99
85) sec-Butylbenzene	13.17	105	594788	20.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	504449	21.01	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286486	19.87	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	273779	19.13	ug/l	99
89) n-Butylbenzene	13.62	91	382165	19.71	ug/l	98
90) Hexachloroethane	13.88	117	94602	19.59	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	279690	19.88	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22493	20.20	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115970	17.88	ug/l	99
94) Hexachlorobutadiene	15.01	225	85771	19.88	ug/l	98
95) Naphthalene	15.14	128	221699	17.18	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	117323	18.66	ug/l	97

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

