

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050512.D
 Acq On : 10 Aug 2018 12:54
 Operator : MD\SY
 Sample : VN0810WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:05:38 AM

Quant Time: Aug 10 23:50:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	695977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1017347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	909544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	451928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446939	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.59	113	416815	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	1506494	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	487789	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	144750	18.74	ug/l	100
3) Chloromethane	2.06	50	179552	18.75	ug/l	99
4) Vinyl Chloride	2.18	62	193780	19.38	ug/l	97
5) Bromomethane	2.57	94	105091	21.77	ug/l	97
6) Chloroethane	2.70	64	118506	19.23	ug/l	100
7) Trichlorofluoromethane	3.01	101	258618	20.02	ug/l	98
8) Diethyl Ether	3.41	74	89970	19.00	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	159535	19.99	ug/l	98
10) Methyl Iodide	3.95	142	79660	22.65	ug/l	97
11) Tert butyl alcohol	4.80	59	53042	71.01	ug/l	99
12) 1,1-Dichloroethene	3.73	96	145743	19.37	ug/l	99
13) Acrolein	3.61	56	43066	56.68	ug/l	96
14) Allyl chloride	4.33	41	223251	18.48	ug/l	97
15) Acrylonitrile	5.00	53	262628	83.93	ug/l	99
16) Acetone	3.82	43	245662	88.35	ug/l	98
17) Carbon Disulfide	4.05	76	419062	17.13	ug/l	100
18) Methyl Acetate	4.33	43	135821	18.73	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	401824	18.82	ug/l	99
20) Methylene Chloride	4.55	84	170005	19.09	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	155643	19.12	ug/l	97
22) Diisopropyl ether	5.96	45	497130	20.14	ug/l	99
23) Vinyl Acetate	5.90	43	1618533	91.90	ug/l	100
24) 1,1-Dichloroethane	5.85	63	301608	19.91	ug/l	99
25) 2-Butanone	6.84	43	373829	81.13	ug/l	98
26) 2,2-Dichloropropane	6.83	77	239731	19.20	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	178647	19.80	ug/l	99
28) Bromochloromethane	7.20	49	143757	20.62	ug/l	97
29) Tetrahydrofuran	7.22	42	197657	80.14	ug/l	99
30) Chloroform	7.37	83	308807	20.39	ug/l	98
31) Cyclohexane	7.66	56	255448	18.77	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	258924	19.91	ug/l	99
36) 1,1-Dichloropropene	7.80	75	223181	19.97	ug/l	99
37) Ethyl Acetate	6.93	43	137992	17.14	ug/l	99
38) Carbon Tetrachloride	7.78	117	230383	19.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226502	18.56	ug/l	99
40) Benzene	8.04	78	692050	20.14	ug/l	100
41) Methacrylonitrile	7.18	41	63808m	14.91	ug/l	
42) 1,2-Dichloroethane	8.13	62	216876	19.88	ug/l	100
43) Isopropyl Acetate	8.17	43	236620	17.03	ug/l	97
44) Trichloroethene	8.84	130	181539	19.66	ug/l	99
45) 1,2-Dichloropropane	9.12	63	179374	19.85	ug/l	97
46) Dibromomethane	9.21	93	107668	19.30	ug/l	98
47) Bromodichloromethane	9.40	83	229065	19.82	ug/l	100
48) Methyl methacrylate	9.20	41	121668	17.47	ug/l	98
49) 1,4-Dioxane	9.20	88	31506	293.47	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	849197	84.85	ug/l	99
52) Toluene	10.16	92	416086	20.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	216810	18.69	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	254650	19.66	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	154701	19.20	ug/l	98
56) Ethyl methacrylate	10.43	69	182167	17.14	ug/l	98
57) 1,3-Dichloropropane	10.71	76	256240	19.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	416774	83.48	ug/l	98
59) 2-Hexanone	10.75	43	549244	78.64	ug/l	99
60) Dibromochloromethane	10.90	129	169791	19.12	ug/l	98
61) 1,2-Dibromoethane	11.01	107	149657	18.84	ug/l	99
64) Tetrachloroethene	10.63	164	169390	19.93	ug/l	99
65) Chlorobenzene	11.44	112	450519	19.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	171425	20.66	ug/l	99
67) Ethyl Benzene	11.51	91	745268	20.22	ug/l	100
68) m/p-Xylenes	11.62	106	583486	41.58	ug/l	100
69) o-Xylene	11.95	106	276641	20.47	ug/l	99
70) Styrene	11.97	104	449850	20.47	ug/l	99
71) Bromoform	12.13	173	115261	19.00	ug/l #	99
73) Isopropylbenzene	12.25	105	731933	21.58	ug/l	99
74) N-amyl acetate	12.07	43	189455	17.23	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	188619	19.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	140477m	17.17	ug/l	
77) Bromobenzene	12.53	156	191044	21.02	ug/l	98
78) n-propylbenzene	12.59	91	822604	21.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	500679	21.11	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	595237	21.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43452	18.66	ug/l	99
82) 4-Chlorotoluene	12.77	91	505629	21.38	ug/l	99
83) tert-Butylbenzene	12.99	119	504091	20.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	611855	21.93	ug/l	100
85) sec-Butylbenzene	13.17	105	666468	20.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	569596	20.76	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	331408	20.47	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	320274	19.81	ug/l	98
89) n-Butylbenzene	13.62	91	436849	18.70	ug/l	99
90) Hexachloroethane	13.88	117	99258	20.34	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	323990	19.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25601	15.41	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	141141	17.08	ug/l	97
94) Hexachlorobutadiene	15.01	225	98120	20.77	ug/l	97
95) Naphthalene	15.13	128	285790	15.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	140310	16.79	ug/l	99

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

