

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050562.D
 Acq On : 13 Aug 2018 12:40
 Operator : MD\SY
 Sample : VN0813WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:50:52 PM

Quant Time: Aug 14 01:33:24 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	623904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	822558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	408231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	400035	47.99	ug/l	0.00
Spiked Amount						
			Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	374518	51.31	ug/l	0.00
Spiked Amount						
			Recovery	=	102.62%	
50) Toluene-d8	10.09	98	1375624	50.13	ug/l	0.00
Spiked Amount						
			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	443044	47.37	ug/l	0.00
Spiked Amount						
			Recovery	=	94.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	127701	18.44	ug/l	98
3) Chloromethane	2.06	50	166498	19.45	ug/l	100
4) Vinyl Chloride	2.18	62	172971	19.30	ug/l	98
5) Bromomethane	2.56	94	94524	21.84	ug/l	98
6) Chloroethane	2.70	64	105549	19.11	ug/l	100
7) Trichlorofluoromethane	3.01	101	231242	19.97	ug/l	99
8) Diethyl Ether	3.41	74	79003	18.61	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143944	20.12	ug/l	99
10) Methyl Iodide	3.95	142	72949	23.14	ug/l	99
11) Tert butyl alcohol	4.80	59	44560	66.54	ug/l	97
12) 1,1-Dichloroethene	3.73	96	127169	18.85	ug/l	95
13) Acrolein	3.61	56	31902	49.44	ug/l	98
14) Allyl chloride	4.33	41	203801	18.81	ug/l	96
15) Acrylonitrile	5.00	53	238345	84.97	ug/l	98
16) Acetone	3.82	43	208664	83.70	ug/l	97
17) Carbon Disulfide	4.05	76	375079	17.10	ug/l	100
18) Methyl Acetate	4.33	43	126398	19.45	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	350090	18.29	ug/l	100
20) Methylene Chloride	4.55	84	156151	19.60	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	138700	19.00	ug/l	97
22) Diisopropyl ether	5.96	45	453933	20.51	ug/l	97
23) Vinyl Acetate	5.90	43	1439263	91.16	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271687	20.01	ug/l	99
25) 2-Butanone	6.84	43	334913	81.08	ug/l	100
26) 2,2-Dichloropropane	6.83	77	220463	19.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159978	19.77	ug/l	99
28) Bromochloromethane	7.20	49	120855	19.34	ug/l	99
29) Tetrahydrofuran	7.21	42	175889	79.55	ug/l	98
30) Chloroform	7.37	83	274552	20.23	ug/l	99
31) Cyclohexane	7.66	56	229631	18.82	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	234136	20.09	ug/l	99
36) 1,1-Dichloropropene	7.80	75	202493	20.26	ug/l	99
37) Ethyl Acetate	6.93	43	123448	17.15	ug/l	100
38) Carbon Tetrachloride	7.78	117	203776	19.55	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203307	18.64	ug/l	98
40) Benzene	8.04	78	622055	20.25	ug/l	99
41) Methacrylonitrile	7.17	41	53328	13.93	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	191312	19.61	ug/l	99
43) Isopropyl Acetate	8.17	43	217761	17.53	ug/l #	87
44) Trichloroethene	8.84	130	162828	19.72	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166015	20.55	ug/l	100
46) Dibromomethane	9.21	93	96758	19.40	ug/l	100
47) Bromodichloromethane	9.40	83	207593	20.09	ug/l	98
48) Methyl methacrylate	9.20	41	105641	16.96	ug/l	98
49) 1,4-Dioxane	9.20	88	27637	287.92	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	748919	83.70	ug/l	99
52) Toluene	10.16	92	377588	20.46	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	199146	19.20	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	233759	20.19	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142128	19.73	ug/l	99
56) Ethyl methacrylate	10.43	69	161170	16.98	ug/l	96
57) 1,3-Dichloropropane	10.71	76	228935	19.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	373303	83.61	ug/l	99
59) 2-Hexanone	10.75	43	486360	77.89	ug/l	99
60) Dibromochloromethane	10.90	129	153983	19.40	ug/l	99
61) 1,2-Dibromoethane	11.01	107	133139	18.75	ug/l	100
64) Tetrachloroethene	10.63	164	150780	19.62	ug/l	99
65) Chlorobenzene	11.43	112	407694	19.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	154670	20.61	ug/l	100
67) Ethyl Benzene	11.51	91	676310	20.29	ug/l	100
68) m/p-Xylenes	11.62	106	529412	41.72	ug/l	99
69) o-Xylene	11.95	106	251594	20.58	ug/l	99
70) Styrene	11.97	104	405911	20.42	ug/l	99
71) Bromoform	12.13	173	103575	18.88	ug/l #	99
73) Isopropylbenzene	12.25	105	665553	21.72	ug/l	100
74) N-amyl acetate	12.07	43	167523	16.87	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	168195	19.02	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	134158m	18.16	ug/l	
77) Bromobenzene	12.53	156	172842	21.05	ug/l	98
78) n-propylbenzene	12.59	91	746885	21.53	ug/l	99
79) 2-Chlorotoluene	12.68	91	454391	21.21	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	546972	21.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37835	17.99	ug/l	99
82) 4-Chlorotoluene	12.77	91	464916	21.76	ug/l	100
83) tert-Butylbenzene	12.99	119	455338	20.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	552240	21.91	ug/l	100
85) sec-Butylbenzene	13.17	105	612088	21.16	ug/l	100
86) p-Isopropyltoluene	13.29	119	523241	21.11	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297061	20.32	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292304	20.02	ug/l	99
89) n-Butylbenzene	13.62	91	405006	19.19	ug/l	99
90) Hexachloroethane	13.88	117	92926	21.08	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	289794	19.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23300	15.52	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	130854	17.53	ug/l	97
94) Hexachlorobutadiene	15.01	225	90244	21.18	ug/l	98
95) Naphthalene	15.13	128	254935	15.58	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	128392	17.01	ug/l	99

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

