

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050619.D
 Acq On : 14 Aug 2018 23:00
 Operator : MD\SY
 Sample : VN0814WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:20 PM

Quant Time: Aug 15 13:44:13 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	622470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	905202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	826513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411932	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	396634	50.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.10%	
35) Dibromofluoromethane	7.59	113	369406	51.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.24%	
50) Toluene-d8	10.09	98	1385385	50.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	438058	48.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	134986	19.24	ug/l	98
3) Chloromethane	2.06	50	175537	20.23	ug/l	99
4) Vinyl Chloride	2.18	62	180253	19.34	ug/l	99
5) Bromomethane	2.56	94	104680	19.62	ug/l	98
6) Chloroethane	2.70	64	109444	20.18	ug/l	98
7) Trichlorofluoromethane	3.01	101	233901	19.12	ug/l	97
8) Diethyl Ether	3.41	74	78925	19.40	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145646	19.69	ug/l	99
10) Methyl Iodide	3.95	142	94204	22.37	ug/l #	94
11) Tert butyl alcohol	4.80	59	43132	100.67	ug/l	100
12) 1,1-Dichloroethene	3.74	96	129857	19.23	ug/l	99
13) Acrolein	3.62	56	13882	78.15	ug/l	96
14) Allyl chloride	4.32	41	200526	19.09	ug/l	99
15) Acrylonitrile	5.00	53	236109	100.34	ug/l	99
16) Acetone	3.82	43	208165	105.42	ug/l	97
17) Carbon Disulfide	4.05	76	406489	19.12	ug/l	99
18) Methyl Acetate	4.33	43	116646	20.58	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	345249	20.08	ug/l	98
20) Methylene Chloride	4.55	84	157890	20.42	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	144026	19.67	ug/l	98
22) Diisopropyl ether	5.96	45	444331	20.63	ug/l	96
23) Vinyl Acetate	5.90	43	1429201	101.43	ug/l	99
24) 1,1-Dichloroethane	5.85	63	270345	19.40	ug/l	99
25) 2-Butanone	6.84	43	317622	98.73	ug/l	99
26) 2,2-Dichloropropane	6.83	77	187816	20.13	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158152	19.40	ug/l	98
28) Bromochloromethane	7.20	49	123081	19.40	ug/l	100
29) Tetrahydrofuran	7.22	42	173713	103.42	ug/l	99
30) Chloroform	7.37	83	271003	19.19	ug/l	100
31) Cyclohexane	7.66	56	234280	19.49	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	229333	19.29	ug/l	99
36) 1,1-Dichloropropene	7.80	75	203402	20.19	ug/l	99
37) Ethyl Acetate	6.93	43	122741	21.55	ug/l	99
38) Carbon Tetrachloride	7.78	117	208132	19.91	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	210536	20.18	ug/l	96
40) Benzene	8.04	78	629806	20.55	ug/l	99
41) Methacrylonitrile	7.18	41	55404	17.99	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	192538	20.49	ug/l	99
43) Isopropyl Acetate	8.17	43	205682	19.81	ug/l	99
44) Trichloroethene	8.84	130	164240	20.00	ug/l	99
45) 1,2-Dichloropropane	9.12	63	164508	20.16	ug/l	98
46) Dibromomethane	9.21	93	97674	20.27	ug/l	97
47) Bromodichloromethane	9.40	83	205511	19.95	ug/l	99
48) Methyl methacrylate	9.20	41	104605	20.03	ug/l	99
49) 1,4-Dioxane	9.20	88	28759	417.96	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	749115	106.71	ug/l	99
52) Toluene	10.16	92	382762	20.91	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	190511	19.86	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227184	20.64	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138999	20.33	ug/l	97
56) Ethyl methacrylate	10.43	69	157618	19.29	ug/l	99
57) 1,3-Dichloropropane	10.71	76	228771	20.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	371842	95.70	ug/l	99
59) 2-Hexanone	10.75	43	472564	104.30	ug/l	99
60) Dibromochloromethane	10.90	129	152361	20.19	ug/l	99
61) 1,2-Dibromoethane	11.01	107	134034	20.58	ug/l	99
64) Tetrachloroethene	10.63	164	155271	20.23	ug/l	99
65) Chlorobenzene	11.44	112	410555	19.96	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	153740	19.94	ug/l	99
67) Ethyl Benzene	11.51	91	677588	20.40	ug/l	100
68) m/p-Xylenes	11.62	106	532026	41.88	ug/l	100
69) o-Xylene	11.95	106	249256	20.58	ug/l	99
70) Styrene	11.96	104	407483	19.50	ug/l	99
71) Bromoform	12.13	173	104280	20.39	ug/l #	99
73) Isopropylbenzene	12.25	105	666632	20.71	ug/l	100
74) N-amyl acetate	12.07	43	168474	20.12	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	169682	21.38	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125918m	18.27	ug/l	
77) Bromobenzene	12.53	156	172000	19.68	ug/l	99
78) n-propylbenzene	12.59	91	749203	20.88	ug/l	99
79) 2-Chlorotoluene	12.67	91	457834	20.46	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	550981	21.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37081	20.01	ug/l	97
82) 4-Chlorotoluene	12.77	91	460304	20.82	ug/l	100
83) tert-Butylbenzene	12.99	119	452013	20.21	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	555625	21.48	ug/l	99
85) sec-Butylbenzene	13.17	105	607325	20.78	ug/l	99
86) p-Isopropyltoluene	13.29	119	523210	21.12	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297625	20.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	288605	19.55	ug/l	99
89) n-Butylbenzene	13.62	91	393853	19.69	ug/l	97
90) Hexachloroethane	13.88	117	96165	19.31	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	292058	20.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23228	20.23	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	124107	18.45	ug/l	98
94) Hexachlorobutadiene	15.01	225	86196	19.37	ug/l	100
95) Naphthalene	15.13	128	232579	17.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	119812	18.49	ug/l	97

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

