

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081618\
 Data File : VN050692.D
 Acq On : 16 Aug 2018 10:41
 Operator : MD\SY
 Sample : VN0816WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 3:55:27 PM

Quant Time: Aug 17 03:49:13 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	631526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	901167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	404312	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	395623	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	7.59	113	373429	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	10.09	98	1396326	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	439525	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	130558	18.34	ug/l	96
3) Chloromethane	2.06	50	167587	19.01	ug/l	100
4) Vinyl Chloride	2.18	62	171677	18.15	ug/l	99
5) Bromomethane	2.56	94	99246	18.19	ug/l	99
6) Chloroethane	2.70	64	106230	19.24	ug/l	99
7) Trichlorofluoromethane	3.01	101	228518	18.41	ug/l	98
8) Diethyl Ether	3.41	74	75101	18.19	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	145250	19.35	ug/l	99
10) Methyl Iodide	3.95	142	90127	21.50	ug/l	100
11) Tert butyl alcohol	4.79	59	41586	95.67	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	124030	18.10	ug/l	99
13) Acrolein	3.61	56	11578	62.38	ug/l	99
14) Allyl chloride	4.32	41	196576	18.44	ug/l	98
15) Acrylonitrile	5.00	53	221676	92.86	ug/l	99
16) Acetone	3.82	43	200333	99.92	ug/l	97
17) Carbon Disulfide	4.05	76	386288	17.91	ug/l	99
18) Methyl Acetate	4.33	43	114523	19.88	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	324178	18.59	ug/l	98
20) Methylene Chloride	4.55	84	150531	19.11	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	136250	18.34	ug/l	99
22) Diisopropyl ether	5.96	45	430809	19.71	ug/l	98
23) Vinyl Acetate	5.90	43	1354143	94.72	ug/l	99
24) 1,1-Dichloroethane	5.85	63	260115	18.40	ug/l	99
25) 2-Butanone	6.84	43	313499	96.05	ug/l	98
26) 2,2-Dichloropropane	6.82	77	208562	22.04	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	154049	18.62	ug/l	99
28) Bromochloromethane	7.20	49	121401	18.86	ug/l	100
29) Tetrahydrofuran	7.22	42	161124	94.55	ug/l	99
30) Chloroform	7.37	83	262762	18.34	ug/l	98
31) Cyclohexane	7.65	56	230873	18.92	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	222125	18.42	ug/l	99
36) 1,1-Dichloropropene	7.79	75	197031	19.64	ug/l	99
37) Ethyl Acetate	6.93	43	112569	19.85	ug/l	99
38) Carbon Tetrachloride	7.77	117	201362	19.35	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209305	20.15	ug/l	99
40) Benzene	8.04	78	599253	19.64	ug/l	100
41) Methacrylonitrile	7.18	41	60943	19.88	ug/l	98
42) 1,2-Dichloroethane	8.13	62	179841	19.23	ug/l	100
43) Isopropyl Acetate	8.17	43	199827	19.34	ug/l	99
44) Trichloroethene	8.84	130	157629	19.28	ug/l	99
45) 1,2-Dichloropropane	9.12	63	159360	19.61	ug/l	98
46) Dibromomethane	9.21	93	93773	19.55	ug/l	95
47) Bromodichloromethane	9.40	83	194346	18.95	ug/l	99
48) Methyl methacrylate	9.20	41	94288	18.13	ug/l	98
49) 1,4-Dioxane	9.20	88	25670	374.74	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	703507	100.66	ug/l	99
52) Toluene	10.16	92	369005	20.25	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	187045	19.58	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	222258	20.28	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	133977	19.68	ug/l	99
56) Ethyl methacrylate	10.43	69	148879	18.40	ug/l	99
57) 1,3-Dichloropropane	10.71	76	218732	19.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	368380	95.29	ug/l	100
59) 2-Hexanone	10.75	43	452724	100.36	ug/l	99
60) Dibromochloromethane	10.90	129	147042	19.57	ug/l	100
61) 1,2-Dibromoethane	11.01	107	127346	19.64	ug/l	98
64) Tetrachloroethene	10.63	164	146309	19.14	ug/l	98
65) Chlorobenzene	11.43	112	398166	19.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	149478	19.46	ug/l	99
67) Ethyl Benzene	11.51	91	653066	19.74	ug/l	99
68) m/p-Xylenes	11.62	106	515410	40.74	ug/l	100
69) o-Xylene	11.95	106	239482	19.85	ug/l	99
70) Styrene	11.97	104	387484	18.66	ug/l	100
71) Bromoform	12.13	173	100118	19.66	ug/l #	98
73) Isopropylbenzene	12.25	105	648892	20.54	ug/l	99
74) N-amyl acetate	12.07	43	153912	18.73	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	164000	21.01	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	118777m	17.52	ug/l	
77) Bromobenzene	12.53	156	163866	19.11	ug/l	98
78) n-propylbenzene	12.59	91	736109	20.90	ug/l	98
79) 2-Chlorotoluene	12.67	91	445720	20.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	534945	21.15	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35463	19.50	ug/l	94
82) 4-Chlorotoluene	12.77	91	443919	20.46	ug/l	100
83) tert-Butylbenzene	12.99	119	440358	20.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	544622	21.45	ug/l	99
85) sec-Butylbenzene	13.17	105	600247	20.92	ug/l	100
86) p-Isopropyltoluene	13.29	119	515136	21.19	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	284078	19.46	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	277508	19.15	ug/l	99
89) n-Butylbenzene	13.62	91	389521	19.84	ug/l	98
90) Hexachloroethane	13.88	117	94461	19.32	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	280284	19.68	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22352	19.83	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116032	17.70	ug/l	99
94) Hexachlorobutadiene	15.01	225	87489	20.03	ug/l	99
95) Naphthalene	15.14	128	213804	16.55	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	114819	18.10	ug/l	97

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

