

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049796.D
 Acq On : 13 Jul 2018 14:49
 Operator : MD\SY
 Sample : VN0713WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:02:47 AM

Quant Time: Jul 14 00:04:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1093780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1605830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1444279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	730530	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	591821	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	7.59	113	564147	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	10.09	98	1848425	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
62) 4-Bromofluorobenzene	12.40	95	656828	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200907	20.43	ug/l	96
3) Chloromethane	2.06	50	263177	20.31	ug/l	100
4) Vinyl Chloride	2.18	62	300471	21.29	ug/l	99
5) Bromomethane	2.57	94	186507	20.98	ug/l	99
6) Chloroethane	2.71	64	197741	20.33	ug/l	99
7) Trichlorofluoromethane	3.02	101	429706	20.72	ug/l	96
8) Diethyl Ether	3.42	74	147348	19.83	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	272732	20.26	ug/l	99
10) Methyl Iodide	3.96	142	355880	20.80	ug/l	98
11) Tert butyl alcohol	4.80	59	85491	100.39	ug/l	98
12) 1,1-Dichloroethene	3.74	96	233481	19.74	ug/l	97
13) Acrolein	3.61	56	70975	94.89	ug/l	98
14) Allyl chloride	4.33	41	377280	19.55	ug/l	97
15) Acrylonitrile	4.99	53	438717	102.87	ug/l	98
16) Acetone	3.82	43	348895	110.25	ug/l	99
17) Carbon Disulfide	4.05	76	613499	19.99	ug/l	99
18) Methyl Acetate	4.33	43	235234	21.72	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	670572	20.44	ug/l	99
20) Methylene Chloride	4.55	84	287033	21.47	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	252358	19.52	ug/l	97
22) Diisopropyl ether	5.96	45	840325	21.19	ug/l	99
23) Vinyl Acetate	5.90	43	2718115	102.29	ug/l	100
24) 1,1-Dichloroethane	5.85	63	519440	20.85	ug/l	100
25) 2-Butanone	6.84	43	514828	103.83	ug/l	99
26) 2,2-Dichloropropane	6.83	77	430929	20.84	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	300675	20.34	ug/l	99
28) Bromochloromethane	7.20	49	197396	17.42	ug/l	98
29) Tetrahydrofuran	7.22	42	321839	103.37	ug/l	99
30) Chloroform	7.37	83	531058	20.69	ug/l	99
31) Cyclohexane	7.66	56	405531	20.30	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	448204	20.56	ug/l	99
36) 1,1-Dichloropropene	7.80	75	365441	19.75	ug/l	99
37) Ethyl Acetate	6.94	43	221288	20.20	ug/l	99
38) Carbon Tetrachloride	7.78	117	389821	20.15	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	371828	19.06	ug/l	97
40) Benzene	8.05	78	1138212	20.56	ug/l	99
41) Methacrylonitrile	7.18	41	114294	18.45	ug/l	93
42) 1,2-Dichloroethane	8.13	62	373648	20.63	ug/l	99
43) Isopropyl Acetate	8.17	43	411789	20.92	ug/l	98
44) Trichloroethene	8.84	130	299956	20.12	ug/l	99
45) 1,2-Dichloropropane	9.12	63	306331	20.59	ug/l	98
46) Dibromomethane	9.21	93	184903	20.93	ug/l	97
47) Bromodichloromethane	9.40	83	396917	20.40	ug/l	96
48) Methyl methacrylate	9.20	41	200843	20.40	ug/l	98
49) 1,4-Dioxane	9.20	88	51318	397.87	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1124272	105.17	ug/l	100
52) Toluene	10.16	92	697061	21.04	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	380094	20.31	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	438775	20.58	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	271003	21.23	ug/l	99
56) Ethyl methacrylate	10.43	69	309825	20.72	ug/l	97
57) 1,3-Dichloropropane	10.71	76	438964	20.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	655357	91.37	ug/l	99
59) 2-Hexanone	10.75	43	740765	104.24	ug/l	99
60) Dibromochloromethane	10.90	129	298751	20.58	ug/l	100
61) 1,2-Dibromoethane	11.01	107	246039	20.41	ug/l	99
64) Tetrachloroethene	10.63	164	262335	20.00	ug/l	99
65) Chlorobenzene	11.44	112	761672	20.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	298719	21.10	ug/l	99
67) Ethyl Benzene	11.51	91	1269925	20.61	ug/l	100
68) m/p-Xylenes	11.62	106	978856	42.33	ug/l	99
69) o-Xylene	11.95	106	473877	21.21	ug/l	97
70) Styrene	11.97	104	763569	21.52	ug/l	100
71) Bromoform	12.13	173	199788	20.89	ug/l #	98
73) Isopropylbenzene	12.25	105	1263653	20.81	ug/l	100
74) N-amyl acetate	12.07	43	318910	20.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	322886	21.98	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	266650m	20.55	ug/l	
77) Bromobenzene	12.53	156	329819	20.48	ug/l	98
78) n-propylbenzene	12.59	91	1444057	21.10	ug/l	99
79) 2-Chlorotoluene	12.68	91	882034	21.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1033408	21.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	78209	19.46	ug/l	97
82) 4-Chlorotoluene	12.77	91	866232	20.85	ug/l	100
83) tert-Butylbenzene	12.99	119	902766	20.91	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1065111	22.01	ug/l	100
85) sec-Butylbenzene	13.17	105	1209927	21.39	ug/l	100
86) p-Isopropyltoluene	13.29	119	1031953	21.56	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	571164	20.45	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	544870	20.07	ug/l	99
89) n-Butylbenzene	13.62	91	808861	20.47	ug/l	99
90) Hexachloroethane	13.88	117	204374	21.58	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	565663	20.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45463	20.90	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	260269	19.27	ug/l	100
94) Hexachlorobutadiene	15.01	225	185509	21.63	ug/l	99
95) Naphthalene	15.14	128	503445	18.36	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	265985	20.12	ug/l	98

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

