

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050159.D
 Acq On : 28 Jul 2018 4:14
 Operator : MD\SY
 Sample : VN0727WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS03

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:20 PM

Quant Time: Jul 30 02:11:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	593430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	809168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	398224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	422237	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.59	113	377607	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.09	98	1385319	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	440837	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	173566	20.356	ug/l	99
3) Chloromethane	2.06	50	169583	18.297	ug/l	99
4) Vinyl Chloride	2.18	62	181194	18.564	ug/l	98
5) Bromomethane	2.56	94	70169	12.187	ug/l	100
6) Chloroethane	2.70	64	108743	18.551	ug/l	97
7) Trichlorofluoromethane	3.01	101	239145	18.913	ug/l	99
8) Diethyl Ether	3.41	74	79436	18.845	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143770	18.909	ug/l	99
10) Methyl Iodide	3.95	142	91309	9.357	ug/l	100
11) Tert butyl alcohol	4.80	59	50353	82.653	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	126362	18.475	ug/l	96
13) Acrolein	3.61	56	21378	43.676	ug/l	98
14) Allyl chloride	4.33	41	192004	18.104	ug/l	98
15) Acrylonitrile	5.00	53	239585	90.141	ug/l	99
16) Acetone	3.82	43	180747	89.897	ug/l	99
17) Carbon Disulfide	4.05	76	367496	17.539	ug/l	100
18) Methyl Acetate	4.33	43	165085	20.812	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	351062	19.260	ug/l	100
20) Methylene Chloride	4.55	84	153086	20.103	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	136889	18.888	ug/l	99
22) Diisopropyl ether	5.96	45	440008	20.924	ug/l	95
23) Vinyl Acetate	5.90	43	1369938	92.185	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269263	19.581	ug/l	99
25) 2-Butanone	6.84	43	276282	87.483	ug/l	99
26) 2,2-Dichloropropane	6.82	77	120463	11.515	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152638	19.565	ug/l	96
28) Bromochloromethane	7.20	49	120423	19.200	ug/l	99
29) Tetrahydrofuran	7.22	42	179906	88.157	ug/l	99
30) Chloroform	7.37	83	273237	19.472	ug/l	96
31) Cyclohexane	7.66	56	216683	18.958	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	230897	19.236	ug/l	99
36) 1,1-Dichloropropene	7.80	75	195991	19.131	ug/l	99
37) Ethyl Acetate	6.93	43	126096	17.654	ug/l	99
38) Carbon Tetrachloride	7.78	117	201436	18.531	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	190501	18.076	ug/l	99
40) Benzene	8.04	78	599317	19.225	ug/l	99
41) Methacrylonitrile	7.18	41	67888	19.994	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	195279	18.777	ug/l	100
43) Isopropyl Acetate	8.17	43	262682	18.805	ug/l	94
44) Trichloroethene	8.84	130	155181	18.525	ug/l	99
45) 1,2-Dichloropropane	9.12	63	161495	19.559	ug/l	96
46) Dibromomethane	9.21	93	96235	18.770	ug/l	99
47) Bromodichloromethane	9.41	83	205964	19.034	ug/l	100
48) Methyl methacrylate	9.20	41	111424	18.114	ug/l	100
49) 1,4-Dioxane	9.20	88	28364	338.821	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	631894	89.994	ug/l	99
52) Toluene	10.16	92	366836	19.935	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	178571	17.488	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	210683	18.054	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	141581	19.397	ug/l	98
56) Ethyl methacrylate	10.43	69	161712	17.722	ug/l	99
57) 1,3-Dichloropropane	10.71	76	228971	19.265	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	369064	85.697	ug/l	99
59) 2-Hexanone	10.75	43	408049	82.624	ug/l	98
60) Dibromochloromethane	10.90	129	151084	18.696	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132503	18.297	ug/l	99
64) Tetrachloroethene	10.63	164	152389	19.588	ug/l	99
65) Chlorobenzene	11.44	112	396075	19.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147617	18.796	ug/l	97
67) Ethyl Benzene	11.51	91	643337	19.594	ug/l	100
68) m/p-Xylenes	11.62	106	505804	40.728	ug/l	99
69) o-Xylene	11.95	106	240050	20.276	ug/l	99
70) Styrene	11.97	104	381314	18.699	ug/l	99
71) Bromoform	12.13	173	105155	18.407	ug/l #	99
73) Isopropylbenzene	12.25	105	634356	20.540	ug/l	99
74) N-amyl acetate	12.07	43	169677	17.976	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172397	19.832	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	144569m	19.534	ug/l	
77) Bromobenzene	12.53	156	166334	19.432	ug/l	99
78) n-propylbenzene	12.59	91	718222	20.806	ug/l	100
79) 2-Chlorotoluene	12.68	91	443187	20.713	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522418	21.504	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35260	15.112	ug/l	93
82) 4-Chlorotoluene	12.78	91	440316	20.781	ug/l	99
83) tert-Butylbenzene	13.00	119	441718	20.835	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	529662	21.631	ug/l	100
85) sec-Butylbenzene	13.17	105	591471	20.880	ug/l	100
86) p-Isopropyltoluene	13.29	119	495861	20.774	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	282713	19.483	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274385	19.400	ug/l	99
89) n-Butylbenzene	13.62	91	372013	18.953	ug/l	99
90) Hexachloroethane	13.88	117	100594	18.980	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	284248	19.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25589	18.077	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	113758	16.961	ug/l	98
94) Hexachlorobutadiene	15.01	225	81806	18.422	ug/l	99
95) Naphthalene	15.14	128	231176	16.004	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	118705	17.349	ug/l	100

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

