

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050160.D
 Acq On : 28 Jul 2018 4:39
 Operator : MD\SY
 Sample : VN0727WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:21 PM

Quant Time: Jul 30 02:12:47 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	598947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	392126	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	430635	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	387640	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	1386133	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	444923	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	176993	20.566	ug/l	100
3) Chloromethane	2.06	50	176880	18.908	ug/l	100
4) Vinyl Chloride	2.18	62	186076	18.889	ug/l	97
5) Bromomethane	2.56	94	74787	12.927	ug/l	100
6) Chloroethane	2.70	64	110220	18.630	ug/l	98
7) Trichlorofluoromethane	3.01	101	246340	19.303	ug/l	97
8) Diethyl Ether	3.41	74	83335	19.588	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147707	19.247	ug/l	98
10) Methyl Iodide	3.95	142	98677	10.018	ug/l	99
11) Tert butyl alcohol	4.80	59	52873	85.990	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	134891	19.540	ug/l	97
13) Acrolein	3.61	56	22101	44.737	ug/l	93
14) Allyl chloride	4.32	41	200208	18.704	ug/l	99
15) Acrylonitrile	5.00	53	251102	93.604	ug/l	98
16) Acetone	3.82	43	194142	95.953	ug/l	99
17) Carbon Disulfide	4.05	76	385271	18.218	ug/l	99
18) Methyl Acetate	4.33	43	171888	21.523	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	374576	20.361	ug/l	99
20) Methylene Chloride	4.55	84	157502	20.517	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	145282	19.861	ug/l	95
22) Diisopropyl ether	5.96	45	458168	21.587	ug/l	98
23) Vinyl Acetate	5.90	43	1440020	96.008	ug/l	98
24) 1,1-Dichloroethane	5.85	63	280989	20.246	ug/l	99
25) 2-Butanone	6.84	43	283268	88.869	ug/l	99
26) 2,2-Dichloropropane	6.83	77	121066	11.466	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	161033	20.451	ug/l	95
28) Bromochloromethane	7.20	49	130332	20.588	ug/l	100
29) Tetrahydrofuran	7.22	42	189610	92.056	ug/l	99
30) Chloroform	7.37	83	284563	20.092	ug/l	97
31) Cyclohexane	7.66	56	226274	19.617	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	237325	19.590	ug/l	99
36) 1,1-Dichloropropene	7.80	75	201969	19.437	ug/l	98
37) Ethyl Acetate	6.94	43	128463	17.732	ug/l	98
38) Carbon Tetrachloride	7.78	117	211054	19.142	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197222	18.450	ug/l	99
40) Benzene	8.04	78	623110	19.707	ug/l	98
41) Methacrylonitrile	7.18	41	72953	21.020	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	203981	19.337	ug/l	99
43) Isopropyl Acetate	8.17	43	277301	19.619	ug/l	94
44) Trichloroethene	8.84	130	161399	18.996	ug/l	98
45) 1,2-Dichloropropane	9.12	63	166979	19.938	ug/l	99
46) Dibromomethane	9.21	93	99066	19.050	ug/l	98
47) Bromodichloromethane	9.40	83	211571	19.277	ug/l	98
48) Methyl methacrylate	9.20	41	115557	18.521	ug/l	99
49) 1,4-Dioxane	9.20	88	29475	347.133	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	658542	92.468	ug/l	99
52) Toluene	10.16	92	374485	20.064	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	184801	17.844	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	219339	18.531	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143990	19.450	ug/l	99
56) Ethyl methacrylate	10.43	69	167745	18.078	ug/l	98
57) 1,3-Dichloropropane	10.71	76	234917	19.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	378465	86.548	ug/l	100
59) 2-Hexanone	10.75	43	419239	83.627	ug/l	99
60) Dibromochloromethane	10.90	129	156869	19.138	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137022	18.654	ug/l	100
64) Tetrachloroethene	10.63	164	156293	20.068	ug/l	97
65) Chlorobenzene	11.44	112	399082	19.503	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153072	19.470	ug/l	98
67) Ethyl Benzene	11.51	91	659640	20.068	ug/l	99
68) m/p-Xylenes	11.63	106	509400	40.973	ug/l	99
69) o-Xylene	11.95	106	244893	20.663	ug/l	100
70) Styrene	11.97	104	387553	18.969	ug/l	99
71) Bromoform	12.13	173	104793	18.323	ug/l #	98
73) Isopropylbenzene	12.25	105	650206	21.380	ug/l	100
74) N-amyl acetate	12.07	43	171679	18.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175187	20.525	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	156356m	21.456	ug/l	
77) Bromobenzene	12.53	156	169615	20.123	ug/l	100
78) n-propylbenzene	12.59	91	724070	21.301	ug/l	99
79) 2-Chlorotoluene	12.68	91	452522	21.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	533708	22.311	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35284	15.357	ug/l	92
82) 4-Chlorotoluene	12.78	91	437404	20.965	ug/l	98
83) tert-Butylbenzene	12.99	119	449934	21.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538971	22.353	ug/l	100
85) sec-Butylbenzene	13.17	105	596283	21.377	ug/l	100
86) p-Isopropyltoluene	13.29	119	505228	21.496	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284580	19.917	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	278066	19.966	ug/l	98
89) n-Butylbenzene	13.62	91	386187	19.982	ug/l	99
90) Hexachloroethane	13.88	117	100265	19.212	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	290989	20.372	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25292	18.148	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	117282	17.613	ug/l	95
94) Hexachlorobutadiene	15.01	225	83366	19.065	ug/l	99
95) Naphthalene	15.14	128	253752	17.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	124641	18.354	ug/l	98

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

