

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052019\
 Data File : VN055674.D
 Acq On : 20 May 2019 15:15
 Operator : JC/SP
 Sample : VN0520WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 12:39:05 PM

Quant Time: May 21 05:08:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	332413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	504673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	431376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174530	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	169808	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	7.59	113	159245	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.09	98	580509	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.40	95	190154	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	44969	17.582	ug/l	100
3) Chloromethane	2.06	50	60303	17.677	ug/l	98
4) Vinyl Chloride	2.18	62	68706	18.599	ug/l	97
5) Bromomethane	2.53	94	47620m	20.228	ug/l	
6) Chloroethane	2.69	64	39739	19.375	ug/l	99
7) Trichlorofluoromethane	3.02	101	90364	19.089	ug/l	99
8) Diethyl Ether	3.41	74	37663	19.805	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	54889	19.020	ug/l	97
10) Methyl Iodide	3.96	142	81080	19.488	ug/l	98
11) Tert butyl alcohol	4.77	59	70016	103.036	ug/l	99
12) 1,1-Dichloroethene	3.74	96	57092	18.806	ug/l	97
13) Acrolein	3.61	56	32686	95.147	ug/l	100
14) Allyl chloride	4.33	41	89507	18.263	ug/l	98
15) Acrylonitrile	4.99	53	152041	100.567	ug/l	99
16) Acetone	3.81	43	123190	82.841	ug/l	98
17) Carbon Disulfide	4.06	76	149820	17.753	ug/l	98
18) Methyl Acetate	4.32	43	65691	20.605	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	192216	19.139	ug/l	97
20) Methylene Chloride	4.55	84	65670	19.351	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	60815	18.805	ug/l	96
22) Diisopropyl ether	5.95	45	180254	18.561	ug/l	99
23) Vinyl Acetate	5.90	43	773514	93.870	ug/l	98
24) 1,1-Dichloroethane	5.85	63	107264	18.837	ug/l	100
25) 2-Butanone	6.83	43	196439	94.477	ug/l	97
26) 2,2-Dichloropropane	6.83	77	78531	15.539	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	72172	19.165	ug/l	94
28) Bromochloromethane	7.20	49	49863	20.128	ug/l	95
29) Tetrahydrofuran	7.21	42	132705	96.337	ug/l	97
30) Chloroform	7.37	83	110537	18.911	ug/l	100
31) Cyclohexane	7.65	56	97758	18.089	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	99158	18.914	ug/l	98
36) 1,1-Dichloropropene	7.79	75	81881	18.198	ug/l	99
37) Ethyl Acetate	6.93	43	81333	20.032	ug/l	99
38) Carbon Tetrachloride	7.78	117	89579	18.631	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	96243	17.744	ug/l	98
40) Benzene	8.04	78	255030	19.270	ug/l	100
41) Methacrylonitrile	7.18	41	38536m	22.199	ug/l	
42) 1,2-Dichloroethane	8.12	62	83403	19.462	ug/l	99
43) Isopropyl Acetate	8.16	43	150157	21.261	ug/l	96
44) Trichloroethene	8.84	130	73135	19.584	ug/l	95
45) 1,2-Dichloropropane	9.12	63	66396	19.044	ug/l	99
46) Dibromomethane	9.21	93	44516	19.508	ug/l	96
47) Bromodichloromethane	9.40	83	89447	18.703	ug/l	99
48) Methyl methacrylate	9.20	41	59806	18.945	ug/l	95
49) 1,4-Dioxane	9.20	88	28509	454.486	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	396574	95.724	ug/l	99
52) Toluene	10.16	92	158682	19.117	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	93575	18.179	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	104291	18.495	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	65366	19.128	ug/l	99
56) Ethyl methacrylate	10.43	69	98199	18.408	ug/l	97
57) 1,3-Dichloropropane	10.71	76	105005	19.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	201368	88.840	ug/l	98
59) 2-Hexanone	10.75	43	271961	93.240	ug/l	98
60) Dibromochloromethane	10.90	129	76108	19.651	ug/l	100
61) 1,2-Dibromoethane	11.01	107	68292	19.973	ug/l	100
64) Tetrachloroethene	10.63	164	69230	20.347	ug/l	98
65) Chlorobenzene	11.43	112	168158	19.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	69391	19.769	ug/l	99
67) Ethyl Benzene	11.51	91	296155	19.054	ug/l	98
68) m/p-Xylenes	11.62	106	225007	38.334	ug/l	98
69) o-Xylene	11.95	106	112486	19.594	ug/l	97
70) Styrene	11.96	104	183745	19.249	ug/l	98
71) Bromoform	12.13	173	59812	20.108	ug/l #	100
73) Isopropylbenzene	12.25	105	296946	22.941	ug/l	100
74) N-amyl acetate	12.07	43	102799	20.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	91005	22.683	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	74074m	20.800	ug/l	
77) Bromobenzene	12.53	156	77984	21.757	ug/l	93
78) n-propylbenzene	12.59	91	303632	19.591	ug/l	99
79) 2-Chlorotoluene	12.67	91	188718	21.804	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	242212	22.007	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	25944	18.727	ug/l	99
82) 4-Chlorotoluene	12.77	91	176849	19.366	ug/l	98
83) tert-Butylbenzene	12.99	119	217606	23.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	239871	21.983	ug/l	99
85) sec-Butylbenzene	13.17	105	269341	21.881	ug/l	100
86) p-Isopropyltoluene	13.29	119	243529	21.418	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	117702	19.861	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112364	19.857	ug/l	99
89) n-Butylbenzene	13.62	91	176866	18.468	ug/l	99
90) Hexachloroethane	13.87	117	49075	22.454	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	117382	19.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16648	21.019	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52781	17.552	ug/l	98
94) Hexachlorobutadiene	15.01	225	42417	21.722	ug/l	99
95) Naphthalene	15.13	128	158214	18.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	57576	18.311	ug/l	99

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

