

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057389.D
 Acq On : 19 Aug 2019 10:40
 Operator : JC/SP
 Sample : VN0819WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:11 AM

Quant Time: Aug 20 07:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	872725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1271162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1108328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406304	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	433827	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	7.58	113	404589	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.08	98	1461252	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.40	95	465864	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	135689	18.068	ug/l	98
3) Chloromethane	2.06	50	155320	17.523	ug/l	96
4) Vinyl Chloride	2.18	62	151722	18.194	ug/l	99
5) Bromomethane	2.55	94	118418	19.921	ug/l	99
6) Chloroethane	2.70	64	104068	18.142	ug/l	96
7) Trichlorofluoromethane	3.02	101	247338	18.909	ug/l	98
8) Diethyl Ether	3.40	74	96273	19.555	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151524	19.716	ug/l	97
10) Methyl Iodide	3.95	142	238109	19.383	ug/l	99
11) Tert butyl alcohol	4.75	59	120358	89.235	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	146490	19.131	ug/l	97
13) Acrolein	3.60	56	51490	62.885	ug/l	100
14) Allyl chloride	4.32	41	214041	17.438	ug/l	97
15) Acrylonitrile	4.97	53	336937	92.014	ug/l	100
16) Acetone	3.80	43	296254	90.014	ug/l	99
17) Carbon Disulfide	4.05	76	370297	17.950	ug/l	98
18) Methyl Acetate	4.31	43	167501	17.473	ug/l	97
19) Methyl tert-butyl Ether	5.03	73	460095	19.149	ug/l	100
20) Methylene Chloride	4.54	84	171100	18.581	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	159301	19.346	ug/l	96
22) Diisopropyl ether	5.93	45	449460	18.537	ug/l	95
23) Vinyl Acetate	5.88	43	1771653	90.788	ug/l	97
24) 1,1-Dichloroethane	5.84	63	283098	18.978	ug/l	99
25) 2-Butanone	6.82	43	422812	88.714	ug/l	97
26) 2,2-Dichloropropane	6.81	77	240394	19.940	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	188405	19.326	ug/l	97
28) Bromochloromethane	7.18	49	120603	18.196	ug/l #	94
29) Tetrahydrofuran	7.20	42	270303	89.618	ug/l	99
30) Chloroform	7.36	83	297778	19.048	ug/l	98
31) Cyclohexane	7.65	56	229666	17.766	ug/l #	88
32) 1,1,1-Trichloroethane	7.56	97	259510	19.737	ug/l	98
36) 1,1-Dichloropropene	7.78	75	211915	18.881	ug/l	100
37) Ethyl Acetate	6.91	43	173423	18.866	ug/l	100
38) Carbon Tetrachloride	7.77	117	236338	20.267	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248959	18.997	ug/l	99
40) Benzene	8.03	78	655868	19.106	ug/l	99
41) Methacrylonitrile	7.16	41	83039m	20.059	ug/l	
42) 1,2-Dichloroethane	8.12	62	218945	19.270	ug/l	100
43) Isopropyl Acetate	8.16	43	315312	18.035	ug/l	99
44) Trichloroethene	8.83	130	193691	20.069	ug/l	98
45) 1,2-Dichloropropane	9.11	63	169709	19.179	ug/l	97
46) Dibromomethane	9.20	93	116330	19.707	ug/l	97
47) Bromodichloromethane	9.40	83	228734	19.557	ug/l	98
48) Methyl methacrylate	9.19	41	138977	18.359	ug/l	99
49) 1,4-Dioxane	9.19	88	60344	379.067	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	840234	88.600	ug/l	98
52) Toluene	10.15	92	424596	19.872	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	244883	19.357	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	270190	19.368	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	166939	19.869	ug/l	97
56) Ethyl methacrylate	10.43	69	232003	18.921	ug/l	97
57) 1,3-Dichloropropane	10.70	76	273554	19.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	245375	79.614	ug/l	99
59) 2-Hexanone	10.75	43	597460	87.631	ug/l	98
60) Dibromochloromethane	10.90	129	190162	20.197	ug/l	100
61) 1,2-Dibromoethane	11.00	107	173712	19.409	ug/l	99
64) Tetrachloroethene	10.63	164	203315	21.220	ug/l	97
65) Chlorobenzene	11.43	112	458434	20.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	185250	21.399	ug/l	99
67) Ethyl Benzene	11.51	91	774607	19.586	ug/l	100
68) m/p-Xylenes	11.62	106	583202	40.025	ug/l	100
69) o-Xylene	11.95	106	289585	20.241	ug/l	100
70) Styrene	11.96	104	449620	19.715	ug/l	99
71) Bromoform	12.13	173	144676	21.183	ug/l #	99
73) Isopropylbenzene	12.25	105	771979	21.995	ug/l	98
74) N-amyl acetate	12.07	43	211975	17.979	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	217233	21.503	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	179000m	21.307	ug/l	
77) Bromobenzene	12.53	156	207690	22.668	ug/l	94
78) n-propylbenzene	12.59	91	757976	19.373	ug/l	99
79) 2-Chlorotoluene	12.67	91	486423	21.389	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	627133	21.628	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	65180	19.562	ug/l	99
82) 4-Chlorotoluene	12.77	91	439697	18.965	ug/l	96
83) tert-Butylbenzene	12.99	119	574008	22.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	596019	20.366	ug/l	98
85) sec-Butylbenzene	13.17	105	673692	21.042	ug/l	99
86) p-Isopropyltoluene	13.29	119	593051	19.794	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	278288	19.549	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	265297	19.632	ug/l	99
89) n-Butylbenzene	13.62	91	448409	20.993	ug/l	99
90) Hexachloroethane	13.88	117	120981	22.458	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	273707	20.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25805	17.810	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64969	16.287	ug/l	96
94) Hexachlorobutadiene	15.01	225	130322	23.190	ug/l	97
95) Naphthalene	15.13	128	124385	18.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	61469	18.949	ug/l	99

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

