

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058360.D
 Acq On : 25 Sep 2019 12:36
 Operator : JC/SP
 Sample : VN0925WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:19 PM

Quant Time: Sep 26 03:10:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	455459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	785313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	702280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314664	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	7.58	113	224601	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	10.08	98	861960	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.41	95	308489	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61778	16.512	ug/l	99
3) Chloromethane	2.04	50	53163	17.767	ug/l	97
4) Vinyl Chloride	2.17	62	56971	17.475	ug/l	99
5) Bromomethane	2.55	94	30375	18.654	ug/l	99
6) Chloroethane	2.69	64	39057	18.221	ug/l	97
7) Trichlorofluoromethane	3.00	101	86119	16.863	ug/l	98
8) Diethyl Ether	3.39	74	43011	18.381	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	64709	17.574	ug/l	98
10) Methyl Iodide	3.94	142	48783	15.811	ug/l	97
11) Tert butyl alcohol	4.76	59	85545	113.366	ug/l	99
12) 1,1-Dichloroethene	3.72	96	51197	18.095	ug/l	96
13) Acrolein	3.59	56	5450	48.736	ug/l	94
14) Allyl chloride	4.30	41	105620	17.530	ug/l	99
15) Acrylonitrile	4.97	53	208634	103.775	ug/l	98
16) Acetone	3.80	43	192036	89.183	ug/l	98
17) Carbon Disulfide	4.03	76	62827	16.158	ug/l	97
18) Methyl Acetate	4.30	43	112342	19.827	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	269082	19.376	ug/l	97
20) Methylene Chloride	4.53	84	74550	19.640	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	55820	18.075	ug/l	97
22) Diisopropyl ether	5.93	45	290838	19.003	ug/l	95
23) Vinyl Acetate	5.87	43	1034772	98.809	ug/l	100
24) 1,1-Dichloroethane	5.83	63	150469	18.421	ug/l	99
25) 2-Butanone	6.82	43	295000	100.559	ug/l	97
26) 2,2-Dichloropropane	6.81	77	115155	16.617	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85437	18.498	ug/l	99
28) Bromochloromethane	7.17	49	82822	21.433	ug/l	99
29) Tetrahydrofuran	7.19	42	181469	100.425	ug/l	100
30) Chloroform	7.36	83	162782	18.513	ug/l	100
31) Cyclohexane	7.64	56	100164	17.396	ug/l #	90
32) 1,1,1-Trichloroethane	7.55	97	125198	18.704	ug/l	99
36) 1,1-Dichloropropene	7.78	75	93299	16.474	ug/l	99
37) Ethyl Acetate	6.91	43	114532	19.487	ug/l	99
38) Carbon Tetrachloride	7.76	117	99170	17.420	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	90933	16.654	ug/l	98
40) Benzene	8.03	78	299051	17.289	ug/l	99
41) Methacrylonitrile	7.16	41	59842m	20.754	ug/l	
42) 1,2-Dichloroethane	8.11	62	132093	18.199	ug/l	99
43) Isopropyl Acetate	8.15	43	199619	18.186	ug/l #	91
44) Trichloroethene	8.82	130	74571	17.617	ug/l	96
45) 1,2-Dichloropropane	9.11	63	96970	18.772	ug/l	98
46) Dibromomethane	9.20	93	56480	17.983	ug/l	99
47) Bromodichloromethane	9.39	83	122217	18.575	ug/l	98
48) Methyl methacrylate	9.19	41	94035	18.868	ug/l	98
49) 1,4-Dioxane	9.19	88	34384	420.221	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	641514	110.034	ug/l	99
52) Toluene	10.15	92	187240	17.272	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	119182	17.683	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	131534	17.676	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92304	19.187	ug/l	98
56) Ethyl methacrylate	10.43	69	131913	19.005	ug/l	99
57) 1,3-Dichloropropane	10.71	76	154733	18.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	335408	101.447	ug/l	100
59) 2-Hexanone	10.75	43	454261	104.910	ug/l	99
60) Dibromochloromethane	10.90	129	85070	18.381	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83024	18.622	ug/l	99
64) Tetrachloroethene	10.63	164	56966	16.640	ug/l	96
65) Chlorobenzene	11.44	112	220381	17.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82154	18.342	ug/l	99
67) Ethyl Benzene	11.51	91	386282	18.250	ug/l	100
68) m/p-Xylenes	11.62	106	280637	35.204	ug/l	98
69) o-Xylene	11.95	106	143382	18.292	ug/l	97
70) Styrene	11.97	104	246924	18.283	ug/l	99
71) Bromoform	12.13	173	52346	18.225	ug/l	98
73) Isopropylbenzene	12.25	105	403394	19.835	ug/l	99
74) N-amyl acetate	12.07	43	172269	20.248	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	141311	20.749	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	122800m	21.119	ug/l	
77) Bromobenzene	12.53	156	95502	18.669	ug/l	99
78) n-propylbenzene	12.60	91	466436	20.183	ug/l	99
79) 2-Chlorotoluene	12.68	91	279717	19.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	338197	19.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31694	20.127	ug/l	95
82) 4-Chlorotoluene	12.78	91	286178	18.850	ug/l	99
83) tert-Butylbenzene	13.00	119	306922	20.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	338282	19.766	ug/l	100
85) sec-Butylbenzene	13.18	105	406931	20.291	ug/l	100
86) p-Isopropyltoluene	13.30	119	361027	20.249	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175226	18.754	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	173517	18.190	ug/l	97
89) n-Butylbenzene	13.62	91	329746	19.508	ug/l	100
90) Hexachloroethane	13.88	117	55222	19.488	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	179114	19.110	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25574	20.858	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110876	18.515	ug/l	98
94) Hexachlorobutadiene	15.02	225	53459	18.470	ug/l	99
95) Naphthalene	15.13	128	321262	20.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	106246	18.771	ug/l	98

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

