

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058224.D
 Acq On : 19 Sep 2019 22:56
 Operator : JC/SP
 Sample : VN0919WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:36:27 PM

Quant Time: Sep 20 07:21:55 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	486768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	849337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	361176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	371009	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	7.57	113	263395	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1038854	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	367940	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78356	19.595	ug/l	99
3) Chloromethane	2.04	50	63939	20.127	ug/l	100
4) Vinyl Chloride	2.17	62	68998	19.926	ug/l	99
5) Bromomethane	2.55	94	20436	12.011	ug/l	96
6) Chloroethane	2.69	64	44613	19.599	ug/l	95
7) Trichlorofluoromethane	3.00	101	104035	19.061	ug/l	100
8) Diethyl Ether	3.39	74	51835	20.727	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77515	19.698	ug/l	98
10) Methyl Iodide	3.93	142	31513	9.557	ug/l #	96
11) Tert butyl alcohol	4.76	59	80558	99.890	ug/l	97
12) 1,1-Dichloroethene	3.72	96	62708	20.790	ug/l	98
13) Acrolein	3.59	56	16693	139.673	ug/l	99
14) Allyl chloride	4.30	41	125072	19.423	ug/l	99
15) Acrylonitrile	4.96	53	230278	107.173	ug/l	99
16) Acetone	3.80	43	194648	84.581	ug/l	99
17) Carbon Disulfide	4.03	76	77721	18.660	ug/l	96
18) Methyl Acetate	4.30	43	125687	20.756	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	321791	21.681	ug/l	97
20) Methylene Chloride	4.53	84	87332	21.549	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	67906	20.630	ug/l	99
22) Diisopropyl ether	5.93	45	349246	21.352	ug/l	96
23) Vinyl Acetate	5.87	43	1230065	109.902	ug/l	100
24) 1,1-Dichloroethane	5.83	63	182402	20.894	ug/l	99
25) 2-Butanone	6.82	43	310023	98.883	ug/l	97
26) 2,2-Dichloropropane	6.81	77	118096	15.945	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	102153	20.694	ug/l	98
28) Bromochloromethane	7.18	49	91268	22.100	ug/l	100
29) Tetrahydrofuran	7.19	42	199209	103.151	ug/l	99
30) Chloroform	7.36	83	195377	20.791	ug/l	95
31) Cyclohexane	7.64	56	118578	19.542	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	146241	20.442	ug/l	98
36) 1,1-Dichloropropene	7.78	75	109222	17.832	ug/l	99
37) Ethyl Acetate	6.91	43	131514	20.690	ug/l	99
38) Carbon Tetrachloride	7.76	117	112584	18.286	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	110380	18.683	ug/l	99
40) Benzene	8.03	78	362456	19.375	ug/l	99
41) Methacrylonitrile	7.16	41	68022	21.766	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	155216	19.773	ug/l	100
43) Isopropyl Acetate	8.15	43	230992	19.458	ug/l	99
44) Trichloroethene	8.82	130	89083	19.459	ug/l	99
45) 1,2-Dichloropropane	9.11	63	114162	20.434	ug/l	97
46) Dibromomethane	9.20	93	67658	19.919	ug/l	100
47) Bromodichloromethane	9.40	83	139960	19.668	ug/l	97
48) Methyl methacrylate	9.19	41	107869	20.013	ug/l	99
49) 1,4-Dioxane	9.19	88	31830	359.684	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	717545	113.797	ug/l	98
52) Toluene	10.15	92	229944	19.612	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	138017	18.934	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	154457	19.192	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	108410	20.836	ug/l	98
56) Ethyl methacrylate	10.43	69	160496	21.379	ug/l	98
57) 1,3-Dichloropropane	10.71	76	183240	20.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	401981	112.417	ug/l	100
59) 2-Hexanone	10.75	43	506503	108.157	ug/l	98
60) Dibromochloromethane	10.90	129	98333	19.645	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97258	20.170	ug/l	98
64) Tetrachloroethene	10.63	164	70852	18.989	ug/l	97
65) Chlorobenzene	11.43	112	265641	19.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	98953	20.270	ug/l	99
67) Ethyl Benzene	11.51	91	473950	20.545	ug/l	100
68) m/p-Xylenes	11.62	106	342791	39.454	ug/l	98
69) o-Xylene	11.95	106	168560	19.730	ug/l	98
70) Styrene	11.97	104	298518	20.280	ug/l	99
71) Bromoform	12.13	173	59725	18.910	ug/l #	98
73) Isopropylbenzene	12.25	105	491432	21.738	ug/l	99
74) N-amyl acetate	12.07	43	225223	23.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	163791	21.635	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	133380m	20.635	ug/l	
77) Bromobenzene	12.53	156	114355	20.109	ug/l	98
78) n-propylbenzene	12.59	91	552825	21.519	ug/l	100
79) 2-Chlorotoluene	12.68	91	342141	21.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	410971	21.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33902	19.585	ug/l	93
82) 4-Chlorotoluene	12.78	91	346991	20.560	ug/l	98
83) tert-Butylbenzene	13.00	119	358136	21.007	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	423484	22.260	ug/l	98
85) sec-Butylbenzene	13.18	105	484187	21.719	ug/l	99
86) p-Isopropyltoluene	13.29	119	428529	21.622	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	216896	20.882	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	216963	20.461	ug/l	98
89) n-Butylbenzene	13.62	91	388204	20.660	ug/l	100
90) Hexachloroethane	13.88	117	61393	19.490	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	222733	21.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	28619	20.998	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	137565	20.665	ug/l	98
94) Hexachlorobutadiene	15.01	225	63896	19.859	ug/l	95
95) Naphthalene	15.13	128	390838	22.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	131019	20.823	ug/l	100

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

