

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057899.D
 Acq On : 11 Sep 2019 5:32
 Operator : JC/SP
 Sample : VN0911WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:07:01 AM

Quant Time: Sep 11 07:26:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	522950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	328482	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.58	113	234875	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.08	98	962531	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	329894	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86907	19.855	ug/l	99
3) Chloromethane	2.03	50	82841	18.569	ug/l	98
4) Vinyl Chloride	2.16	62	86444	18.308	ug/l	97
5) Bromomethane	2.54	94	45585	16.551	ug/l	95
6) Chloroethane	2.68	64	56465	18.767	ug/l	98
7) Trichlorofluoromethane	2.99	101	107754	18.135	ug/l	96
8) Diethyl Ether	3.39	74	46516	18.770	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71211	18.998	ug/l	98
10) Methyl Iodide	3.93	142	53719	12.879	ug/l	98
11) Tert butyl alcohol	4.77	59	79161	102.028	ug/l	100
12) 1,1-Dichloroethene	3.71	96	63488	18.838	ug/l	96
13) Acrolein	3.59	56	46759	71.035	ug/l	99
14) Allyl chloride	4.30	41	111595	16.920	ug/l	99
15) Acrylonitrile	4.96	53	208703	97.864	ug/l	99
16) Acetone	3.80	43	180708	85.991	ug/l	99
17) Carbon Disulfide	4.03	76	89223	17.115	ug/l	99
18) Methyl Acetate	4.31	43	116834	20.851	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	283706	20.228	ug/l	98
20) Methylene Chloride	4.53	84	84359	20.357	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	67178	18.439	ug/l	94
22) Diisopropyl ether	5.93	45	308987	19.977	ug/l	98
23) Vinyl Acetate	5.87	43	1071284	97.731	ug/l	100
24) 1,1-Dichloroethane	5.83	63	165215	19.545	ug/l	99
25) 2-Butanone	6.82	43	290283	95.438	ug/l	99
26) 2,2-Dichloropropane	6.81	77	81326	12.157	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95781	19.618	ug/l	94
28) Bromochloromethane	7.18	49	82897	19.629	ug/l	98
29) Tetrahydrofuran	7.20	42	183522	97.918	ug/l	100
30) Chloroform	7.36	83	174332	19.724	ug/l	99
31) Cyclohexane	7.64	56	119800	19.430	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	131983	18.828	ug/l	98
36) 1,1-Dichloropropene	7.78	75	108158	17.834	ug/l	99
37) Ethyl Acetate	6.91	43	118063	18.842	ug/l	100
38) Carbon Tetrachloride	7.76	117	104050	18.791	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113236	17.761	ug/l	97
40) Benzene	8.03	78	346209	18.961	ug/l	98
41) Methacrylonitrile	7.16	41	57200	20.110	ug/l #	90
42) 1,2-Dichloroethane	8.11	62	144066	19.728	ug/l	99
43) Isopropyl Acetate	8.15	43	203896	19.349	ug/l #	91
44) Trichloroethene	8.82	130	84924	18.963	ug/l	96
45) 1,2-Dichloropropane	9.11	63	102062	19.209	ug/l	97
46) Dibromomethane	9.20	93	62878	19.584	ug/l	100
47) Bromodichloromethane	9.40	83	123146	19.208	ug/l	98
48) Methyl methacrylate	9.19	41	102488	19.173	ug/l	99
49) 1,4-Dioxane	9.19	88	35774	395.755	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	646943	103.747	ug/l	99
52) Toluene	10.15	92	220842	19.203	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	114176	16.911	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	133202	17.870	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	95507	19.606	ug/l	98
56) Ethyl methacrylate	10.43	69	141253	19.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	166150	19.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	350757	101.518	ug/l	100
59) 2-Hexanone	10.75	43	460186	98.457	ug/l	100
60) Dibromochloromethane	10.90	129	82561	18.251	ug/l	98
61) 1,2-Dibromoethane	11.00	107	87997	19.107	ug/l	100
64) Tetrachloroethene	10.63	164	70568	19.245	ug/l	96
65) Chlorobenzene	11.43	112	250504	19.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84218	18.674	ug/l	99
67) Ethyl Benzene	11.51	91	441944	19.403	ug/l	100
68) m/p-Xylenes	11.62	106	320575	38.423	ug/l	99
69) o-Xylene	11.95	106	158702	19.133	ug/l	97
70) Styrene	11.97	104	276832	19.393	ug/l	98
71) Bromoform	12.13	173	49045	17.443	ug/l #	100
73) Isopropylbenzene	12.25	105	447353	20.723	ug/l	100
74) N-amyl acetate	12.07	43	183479	19.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	144735	19.913	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	124173m	19.731	ug/l	
77) Bromobenzene	12.53	156	105074	19.523	ug/l	96
78) n-propylbenzene	12.59	91	517206	20.865	ug/l	100
79) 2-Chlorotoluene	12.68	91	303910	19.398	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	376481	20.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25408	14.207	ug/l #	84
82) 4-Chlorotoluene	12.78	91	320016	19.890	ug/l	100
83) tert-Butylbenzene	13.00	119	324469	20.012	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	380695	20.536	ug/l	99
85) sec-Butylbenzene	13.18	105	442439	20.588	ug/l	100
86) p-Isopropyltoluene	13.29	119	390596	20.629	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194503	19.689	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	191663	19.113	ug/l	99
89) n-Butylbenzene	13.62	91	351862	19.678	ug/l	99
90) Hexachloroethane	13.88	117	51053	18.130	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	189341	19.185	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23397	19.492	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	114065	17.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	50471	18.457	ug/l	98
95) Naphthalene	15.13	128	333879	19.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	108779	19.928	ug/l	98

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

