

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057833.D
 Acq On : 10 Sep 2019 4:18
 Operator : JC/SP
 Sample : VN0910WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:25 AM

Quant Time: Sep 10 08:25:57 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	317423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	525904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	493117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280256	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	324608	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
35) Dibromofluoromethane	7.58	113	230557	47.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.00%	
50) Toluene-d8	10.09	98	939992	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	319228	44.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	86331	19.666	ug/l	100
3) Chloromethane	2.03	50	82337	18.403	ug/l	98
4) Vinyl Chloride	2.16	62	87280	18.432	ug/l	99
5) Bromomethane	2.54	94	53353	19.577	ug/l	98
6) Chloroethane	2.68	64	56467	18.714	ug/l	97
7) Trichlorofluoromethane	2.99	101	114315	19.183	ug/l	98
8) Diethyl Ether	3.39	74	48318	19.440	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71448	19.006	ug/l	100
10) Methyl Iodide	3.93	142	77067	18.423	ug/l	100
11) Tert butyl alcohol	4.77	59	73684	94.693	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	62370	18.453	ug/l	97
13) Acrolein	3.58	56	57503	87.104	ug/l	98
14) Allyl chloride	4.30	41	114834	17.361	ug/l	98
15) Acrylonitrile	4.96	53	209302	97.861	ug/l	99
16) Acetone	3.80	43	172696	81.940	ug/l	96
17) Carbon Disulfide	4.03	76	93427	17.862	ug/l	99
18) Methyl Acetate	4.30	43	114585	20.391	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	275648	19.596	ug/l	99
20) Methylene Chloride	4.53	84	83783	20.147	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	67299	18.419	ug/l	95
22) Diisopropyl ether	5.93	45	300231	19.355	ug/l	96
23) Vinyl Acetate	5.88	43	1062591	96.657	ug/l	98
24) 1,1-Dichloroethane	5.83	63	162899	19.215	ug/l	99
25) 2-Butanone	6.82	43	280296	91.887	ug/l	99
26) 2,2-Dichloropropane	6.81	77	83894	12.505	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	92042	18.797	ug/l	97
28) Bromochloromethane	7.18	49	81336	19.204	ug/l	98
29) Tetrahydrofuran	7.20	42	186151	99.033	ug/l	98
30) Chloroform	7.36	83	168723	19.034	ug/l	97
31) Cyclohexane	7.64	56	118308	19.096	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	130347	18.541	ug/l	99
36) 1,1-Dichloropropene	7.78	75	110012	18.037	ug/l	97
37) Ethyl Acetate	6.91	43	116910	18.553	ug/l	99
38) Carbon Tetrachloride	7.76	117	101432	18.215	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	111470	17.386	ug/l	98
40) Benzene	8.03	78	345581	18.820	ug/l	98
41) Methacrylonitrile	7.16	41	56246	19.663	ug/l	97
42) 1,2-Dichloroethane	8.11	62	137933	18.782	ug/l	100
43) Isopropyl Acetate	8.15	43	194017	18.309	ug/l #	91
44) Trichloroethene	8.83	130	82855	18.397	ug/l	100
45) 1,2-Dichloropropane	9.11	63	101019	18.906	ug/l	100
46) Dibromomethane	9.20	93	61921	19.178	ug/l	100
47) Bromodichloromethane	9.40	83	119129	18.477	ug/l	98
48) Methyl methacrylate	9.19	41	99138	18.442	ug/l	99
49) 1,4-Dioxane	9.19	88	34104	375.161	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	630663	100.568	ug/l	98
52) Toluene	10.15	92	218174	18.865	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	117233	17.267	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	134286	17.914	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92858	18.955	ug/l	97
56) Ethyl methacrylate	10.43	69	137020	18.573	ug/l	99
57) 1,3-Dichloropropane	10.71	76	161484	19.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	334590	96.295	ug/l	99
59) 2-Hexanone	10.75	43	444663	94.602	ug/l	100
60) Dibromochloromethane	10.90	129	83531	18.362	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87341	18.858	ug/l	99
64) Tetrachloroethene	10.63	164	69172	18.998	ug/l	98
65) Chlorobenzene	11.43	112	239729	18.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82437	18.409	ug/l	97
67) Ethyl Benzene	11.51	91	429262	18.980	ug/l	98
68) m/p-Xylenes	11.62	106	309031	37.302	ug/l	98
69) o-Xylene	11.95	106	154999	18.819	ug/l	98
70) Styrene	11.97	104	268222	18.923	ug/l	99
71) Bromoform	12.13	173	47905	17.159	ug/l #	98
73) Isopropylbenzene	12.25	105	433716	19.944	ug/l	99
74) N-amyl acetate	12.07	43	177379	18.742	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	141162	19.279	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	105183m	16.591	ug/l	
77) Bromobenzene	12.53	156	101514	18.723	ug/l	96
78) n-propylbenzene	12.60	91	494625	19.807	ug/l	100
79) 2-Chlorotoluene	12.68	91	298475	18.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	363111	19.761	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27265	15.134	ug/l	92
82) 4-Chlorotoluene	12.78	91	307908	18.997	ug/l	100
83) tert-Butylbenzene	13.00	119	315056	19.289	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	364769	19.532	ug/l	100
85) sec-Butylbenzene	13.17	105	423161	19.547	ug/l	99
86) p-Isopropyltoluene	13.29	119	377489	19.790	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	182668	18.355	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	182640	18.080	ug/l	99
89) n-Butylbenzene	13.62	91	334184	18.552	ug/l	100
90) Hexachloroethane	13.88	117	51706	18.227	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	186201	18.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22037	18.224	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	109290	16.817	ug/l	99
94) Hexachlorobutadiene	15.01	225	47977	17.416	ug/l	98
95) Naphthalene	15.13	128	319682	18.495	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105345	19.196	ug/l	98

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

