

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058285.D
 Acq On : 23 Sep 2019 12:34
 Operator : JC/SP
 Sample : VN0923WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:37 AM

Quant Time: Sep 24 03:12:47 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	437036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	760113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	689095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	323120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	330983	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
35) Dibromofluoromethane	7.58	113	238173	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.09	98	923380	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.41	95	325888	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64627	18.001	ug/l	97
3) Chloromethane	2.04	50	56480	19.785	ug/l	99
4) Vinyl Chloride	2.17	62	61486	19.770	ug/l	99
5) Bromomethane	2.55	94	33544	21.360	ug/l	97
6) Chloroethane	2.69	64	41375	20.304	ug/l	93
7) Trichlorofluoromethane	3.00	101	94467	19.278	ug/l	95
8) Diethyl Ether	3.39	74	42529	18.941	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70134	19.850	ug/l	98
10) Methyl Iodide	3.93	142	54372	18.366	ug/l	99
11) Tert butyl alcohol	4.76	59	84561	116.786	ug/l	99
12) 1,1-Dichloroethene	3.72	96	54154	19.984	ug/l	98
13) Acrolein	3.59	56	19297	179.834	ug/l	96
14) Allyl chloride	4.30	41	107691	18.627	ug/l	97
15) Acrylonitrile	4.97	53	219299	113.678	ug/l	99
16) Acetone	3.80	43	191376	92.623	ug/l	97
17) Carbon Disulfide	4.04	76	67619	18.090	ug/l	99
18) Methyl Acetate	4.31	43	118482	21.792	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	277384	20.816	ug/l	99
20) Methylene Chloride	4.53	84	78272	21.511	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	58100	19.641	ug/l	97
22) Diisopropyl ether	5.93	45	301172	20.508	ug/l	95
23) Vinyl Acetate	5.88	43	1082753	107.749	ug/l	100
24) 1,1-Dichloroethane	5.83	63	159224	20.314	ug/l	100
25) 2-Butanone	6.82	43	306496	108.882	ug/l	99
26) 2,2-Dichloropropane	6.81	77	118437	17.811	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	87565	19.758	ug/l	98
28) Bromochloromethane	7.18	49	83768	22.592	ug/l	99
29) Tetrahydrofuran	7.19	42	188330	108.615	ug/l	100
30) Chloroform	7.36	83	171065	20.276	ug/l	100
31) Cyclohexane	7.64	56	105511	19.345	ug/l #	96
32) 1,1,1-Trichloroethane	7.56	97	132547	20.637	ug/l	98
36) 1,1-Dichloropropene	7.78	75	97564	17.799	ug/l	100
37) Ethyl Acetate	6.91	43	122889	21.603	ug/l	99
38) Carbon Tetrachloride	7.76	117	102521	18.606	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	96473	18.248	ug/l	99
40) Benzene	8.03	78	318981	19.052	ug/l	98
41) Methacrylonitrile	7.16	41	60200	21.535	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	138758	19.751	ug/l	100
43) Isopropyl Acetate	8.15	43	207012	19.485	ug/l	99
44) Trichloroethene	8.82	130	78968	19.274	ug/l	100
45) 1,2-Dichloropropane	9.11	63	100307	20.062	ug/l	98
46) Dibromomethane	9.20	93	60707	19.970	ug/l	98
47) Bromodichloromethane	9.40	83	127833	20.073	ug/l	96
48) Methyl methacrylate	9.19	41	98233	20.364	ug/l	98
49) 1,4-Dioxane	9.19	88	35367	446.565	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	663423	117.564	ug/l	99
52) Toluene	10.15	92	204550	19.494	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	123085	18.868	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	139625	19.386	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	97359	20.909	ug/l	98
56) Ethyl methacrylate	10.43	69	136272	20.283	ug/l	99
57) 1,3-Dichloropropane	10.71	76	162812	20.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	347483	108.583	ug/l	99
59) 2-Hexanone	10.75	43	475994	113.574	ug/l	98
60) Dibromochloromethane	10.90	129	91223	20.364	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86727	20.098	ug/l	99
64) Tetrachloroethene	10.63	164	60256	17.938	ug/l	95
65) Chlorobenzene	11.43	112	230938	19.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89292	20.317	ug/l	99
67) Ethyl Benzene	11.51	91	405181	19.509	ug/l	100
68) m/p-Xylenes	11.62	106	289909	37.063	ug/l	95
69) o-Xylene	11.95	106	149139	19.390	ug/l	98
70) Styrene	11.97	104	256775	19.376	ug/l	99
71) Bromoform	12.13	173	57378	19.938	ug/l #	98
73) Isopropylbenzene	12.26	105	421739	20.852	ug/l	100
74) N-amyl acetate	12.07	43	184799	21.841	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	150285	22.189	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	120988m	20.922	ug/l	
77) Bromobenzene	12.53	156	99667	19.591	ug/l	98
78) n-propylbenzene	12.60	91	487891	21.228	ug/l	99
79) 2-Chlorotoluene	12.68	91	292813	20.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	354873	20.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32332	20.496	ug/l	89
82) 4-Chlorotoluene	12.78	91	303211	20.082	ug/l	99
83) tert-Butylbenzene	13.00	119	316044	20.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	361253	21.225	ug/l	99
85) sec-Butylbenzene	13.18	105	418701	20.993	ug/l	100
86) p-Isopropyltoluene	13.30	119	367949	20.752	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	187419	20.169	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185726	19.578	ug/l	99
89) n-Butylbenzene	13.62	91	328083	19.517	ug/l	100
90) Hexachloroethane	13.88	117	58007	20.426	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	190214	20.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25954	21.285	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110970	18.633	ug/l	98
94) Hexachlorobutadiene	15.02	225	52117	18.106	ug/l	97
95) Naphthalene	15.14	128	314708	20.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104333	18.535	ug/l	98

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

