

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058230.D
 Acq On : 20 Sep 2019 1:09
 Operator : JC/SP
 Sample : K4896-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:36:56 PM

Quant Time: Sep 20 09:10:44 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	462231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	802423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	733790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	365462	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	350616	54.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.92%		
35) Dibromofluoromethane	7.57	113	251471	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.10%		
50) Toluene-d8	10.08	98	1014563	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.76%		
62) 4-Bromofluorobenzene	12.40	95	372542	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	181744	47.864	ug/l	98
3) Chloromethane	2.04	50	146525	50.064	ug/l	97
4) Vinyl Chloride	2.17	62	162289	50.719	ug/l	99
5) Bromomethane	2.54	94	67225	39.827	ug/l	94
6) Chloroethane	2.68	64	109112	53.337	ug/l	92
7) Trichlorofluoromethane	3.00	101	247702	47.792	ug/l	98
8) Diethyl Ether	3.39	74	117259	49.377	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	179742	48.100	ug/l	99
10) Methyl Iodide	3.93	142	118003	37.686	ug/l	99
11) Tert butyl alcohol	4.75	59	210342	274.665	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	146601	51.708	ug/l	97
13) Acrolein	3.59	56	33544	295.566	ug/l	96
14) Allyl chloride	4.30	41	293276	47.963	ug/l	99
15) Acrylonitrile	4.96	53	556467	272.732	ug/l	99
16) Acetone	3.79	43	488386	223.486	ug/l	100
17) Carbon Disulfide	4.03	76	187524	46.995	ug/l	98
18) Methyl Acetate	4.30	43	263362	45.800	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	744847	52.848	ug/l	98
20) Methylene Chloride	4.53	84	205728	53.788	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	159354	51.581	ug/l	99
22) Diisopropyl ether	5.93	45	819943	52.789	ug/l	97
23) Vinyl Acetate	5.87	43	2650305	249.366	ug/l	100
24) 1,1-Dichloroethane	5.82	63	426448	51.441	ug/l	98
25) 2-Butanone	6.82	43	770356	258.750	ug/l	98
26) 2,2-Dichloropropane	6.81	77	248150	35.284	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	239320	51.056	ug/l	96
28) Bromochloromethane	7.18	49	215762	55.018	ug/l	99
29) Tetrahydrofuran	7.19	42	481034	262.303	ug/l	100
30) Chloroform	7.36	83	454210	50.901	ug/l	99
31) Cyclohexane	7.64	56	273787	51.148	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	358270	52.740	ug/l	100
36) 1,1-Dichloropropene	7.78	75	265181	45.826	ug/l	99
37) Ethyl Acetate	6.91	43	279140	46.482	ug/l	99
38) Carbon Tetrachloride	7.76	117	285664	49.109	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058230.D
 Acq On : 20 Sep 2019 1:09
 Operator : JC/SP
 Sample : K4896-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MS

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:36:56 PM

Quant Time: Sep 20 09:10:44 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)
39) Methylcyclohexane	9.07	83	265287	47.419	ug/l	99
40) Benzene	8.03	78	859801	48.646	ug/l	100
41) Methacrylonitrile	7.15	41	141180m	46.727	ug/l	
42) 1,2-Dichloroethane	8.11	62	370022	49.893	ug/l	100
43) Isopropyl Acetate	8.15	43	520230	46.385	ug/l	99
44) Trichloroethene	8.82	130	265216	61.319	ug/l	99
45) 1,2-Dichloropropane	9.11	63	269021	50.968	ug/l	99
46) Dibromomethane	9.20	93	162401	50.607	ug/l	97
47) Bromodichloromethane	9.39	83	350126	52.079	ug/l	100
48) Methyl methacrylate	9.19	41	267246	52.480	ug/l	99
49) 1,4-Dioxane	9.19	88	86073	1029.504	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1722873	289.209	ug/l	99
52) Toluene	10.15	92	554971	50.102	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	347569	50.470	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	371717	48.889	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	257579	52.400	ug/l	99
56) Ethyl methacrylate	10.43	69	386201	54.453	ug/l	99
57) 1,3-Dichloropropane	10.71	76	436773	51.686	ug/l	99
59) 2-Hexanone	10.75	43	1242673	280.872	ug/l	99
60) Dibromochloromethane	10.90	129	257165	54.380	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237773	52.195	ug/l	100
64) Tetrachloroethene	10.63	164	163076	45.590	ug/l	97
65) Chlorobenzene	11.43	112	647879	50.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251867	53.817	ug/l	99
67) Ethyl Benzene	11.51	91	1157603	52.343	ug/l	100
68) m/p-Xylenes	11.62	106	842744	101.176	ug/l	97
69) o-Xylene	11.95	106	426147	52.031	ug/l	99
70) Stvrene	11.97	104	755274	53.521	ug/l	99
71) Bromoform	12.13	173	165728	47.924	ug/l #	100
73) Isopropylbenzene	12.25	105	1205146	52.683	ug/l	99
74) N-amyl acetate	12.07	43	478668	50.019	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	399582	52.162	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	331615m	50.701	ug/l	
77) Bromobenzene	12.53	156	287689	49.997	ug/l	100
78) n-propylbenzene	12.59	91	1400855	53.890	ug/l	99
79) 2-Chlorotoluene	12.68	91	849188	52.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1028115	53.149	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	94210	43.694	ug/l	98
82) 4-Chlorotoluene	12.78	91	891357	52.196	ug/l	99
83) tert-Butylbenzene	13.00	119	911235	52.823	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	1047165	54.397	ug/l	100
85) sec-Butylbenzene	13.18	105	1239024	54.926	ug/l	100
86) p-Isopropyltoluene	13.29	119	1098041	54.753	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	543941	51.755	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	547913	51.065	ug/l	100
89) n-Butylbenzene	13.62	91	999836	52.586	ug/l	100
90) Hexachloroethane	13.88	117	174012	49.511	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	551043	52.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74952	54.347	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	344106	51.085	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
Data File : VN058230.D
Acq On : 20 Sep 2019 1:09
Operator : JC/SP
Sample : K4896-03MS
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE123D1-20190912MS

Manual Integrations
APPROVED

MMDadoda
9/20/2019 3:36:56 PM

Quant Time: Sep 20 09:10:44 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)
94) Hexachlorobutadiene	15.02	225	154594	47.484	ug/l	98
95) Naphthalene	15.13	128	933376	53.468	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	322076	50.588	ug/l	100

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

