

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058714.D
 Acq On : 11 Oct 2019 20:01
 Operator : JC/SP
 Sample : VN1013WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:52 AM

Quant Time: Oct 12 00:57:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	411844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	675770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	296536	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.57	113	211105	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.09	98	826237	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.41	95	302513	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113212	22.072	ug/l	98
3) Chloromethane	2.04	50	126992	20.821	ug/l	100
4) Vinyl Chloride	2.17	62	128361	21.130	ug/l	100
5) Bromomethane	2.55	94	75016	20.299	ug/l	97
6) Chloroethane	2.68	64	79449	21.203	ug/l	100
7) Trichlorofluoromethane	3.00	101	156457	21.520	ug/l	97
8) Diethyl Ether	3.39	74	54213	20.182	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87146	21.022	ug/l	98
10) Methyl Iodide	3.93	142	111163	19.651	ug/l	98
11) Tert butyl alcohol	4.76	59	98795	105.802	ug/l	99
12) 1,1-Dichloroethene	3.71	96	82856	20.949	ug/l	98
13) Acrolein	3.59	56	70224	93.509	ug/l	98
14) Allyl chloride	4.30	41	161105	20.184	ug/l	100
15) Acrylonitrile	4.96	53	253452	107.631	ug/l	100
16) Acetone	3.80	43	233248	97.716	ug/l	100
17) Carbon Disulfide	4.03	76	251380	19.883	ug/l	100
18) Methyl Acetate	4.30	43	134307	22.182	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	296654	21.005	ug/l	97
20) Methylene Chloride	4.53	84	99604	19.966	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	90452	20.445	ug/l	99
22) Diisopropyl ether	5.93	45	327830	21.124	ug/l	96
23) Vinyl Acetate	5.87	43	1379659	110.174	ug/l	99
24) 1,1-Dichloroethane	5.82	63	185310	20.966	ug/l	99
25) 2-Butanone	6.82	43	359278	104.134	ug/l	99
26) 2,2-Dichloropropane	6.81	77	152770	18.935	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	104197	20.197	ug/l	99
28) Bromochloromethane	7.18	49	64428	20.953	ug/l	98
29) Tetrahydrofuran	7.19	42	237779	106.647	ug/l	99
30) Chloroform	7.36	83	182609	20.563	ug/l	98
31) Cyclohexane	7.64	56	170201	20.125	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	157804	20.837	ug/l	98
36) 1,1-Dichloropropene	7.78	75	136681	20.005	ug/l	99
37) Ethyl Acetate	6.91	43	152969	22.138	ug/l	99
38) Carbon Tetrachloride	7.76	117	140177	21.051	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	157277	19.837	ug/l	100
40) Benzene	8.03	78	402716	20.523	ug/l	99
41) Methacrylonitrile	7.16	41	60809m	18.800	ug/l	
42) 1,2-Dichloroethane	8.11	62	155809	20.668	ug/l	99
43) Isopropyl Acetate	8.15	43	238314	20.245	ug/l #	91
44) Trichloroethene	8.82	130	99059	20.328	ug/l	97
45) 1,2-Dichloropropane	9.11	63	108713	20.695	ug/l	98
46) Dibromomethane	9.20	93	69073	20.740	ug/l	100
47) Bromodichloromethane	9.39	83	138847	20.473	ug/l	97
48) Methyl methacrylate	9.19	41	111902	20.972	ug/l	99
49) 1,4-Dioxane	9.19	88	35087	425.047	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	741069	112.097	ug/l	98
52) Toluene	10.15	92	245922	20.490	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156851	20.164	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	167032	20.225	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	98824	20.118	ug/l	98
56) Ethyl methacrylate	10.43	69	149977	20.899	ug/l	99
57) 1,3-Dichloropropane	10.71	76	172547	20.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	349145	100.954	ug/l	99
59) 2-Hexanone	10.75	43	552060	108.057	ug/l	98
60) Dibromochloromethane	10.90	129	104137	20.551	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100999	20.523	ug/l	100
64) Tetrachloroethene	10.63	164	87873	20.272	ug/l	93
65) Chlorobenzene	11.43	112	258859	20.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95473	20.526	ug/l	99
67) Ethyl Benzene	11.51	91	472938	21.092	ug/l	100
68) m/p-Xylenes	11.62	106	350617	41.668	ug/l	99
69) o-Xylene	11.95	106	165649	20.347	ug/l	100
70) Styrene	11.97	104	267741	20.065	ug/l	98
71) Bromoform	12.13	173	70010	20.535	ug/l #	99
73) Isopropylbenzene	12.25	105	453437	21.215	ug/l	100
74) N-amyl acetate	12.07	43	201120	20.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148669	21.115	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	136617m	21.101	ug/l	
77) Bromobenzene	12.53	156	109971	21.153	ug/l	98
78) n-propylbenzene	12.60	91	535565	21.504	ug/l	100
79) 2-Chlorotoluene	12.68	91	317272	20.524	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	390435	21.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46919	19.412	ug/l	97
82) 4-Chlorotoluene	12.78	91	325506	20.520	ug/l	100
83) tert-Butylbenzene	13.00	119	327991	20.982	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	386103	21.314	ug/l	99
85) sec-Butylbenzene	13.18	105	444731	21.591	ug/l	98
86) p-Isopropyltoluene	13.29	119	394198	21.057	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	194619	20.299	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	191259	19.620	ug/l	99
89) n-Butylbenzene	13.62	91	346545	20.020	ug/l	99
90) Hexachloroethane	13.88	117	68954	20.585	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	192490	20.600	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31807	19.336	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111248	19.516	ug/l	98
94) Hexachlorobutadiene	15.02	225	59291	19.752	ug/l	97
95) Naphthalene	15.13	128	325044	19.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109086	19.601	ug/l	99

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

