

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059479.D
 Acq On : 4 Dec 2019 11:34
 Operator : JC/SP
 Sample : VN1204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:03 AM

Quant Time: Dec 05 01:26:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	370339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	583310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	519489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	234458	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.57	113	184378	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.08	98	723236	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	249042	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	71773	17.416	ug/l	100
3) Chloromethane	2.04	50	98091	17.759	ug/l	100
4) Vinyl Chloride	2.17	62	60088	18.129	ug/l	100
5) Bromomethane	2.55	94	35003	17.378	ug/l	99
6) Chloroethane	2.68	64	34355	17.556	ug/l	96
7) Trichlorofluoromethane	3.00	101	75591	18.884	ug/l	98
8) Diethyl Ether	3.38	74	45896	17.597	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71005	18.070	ug/l	100
10) Methyl Iodide	3.92	142	84725	17.028	ug/l	99
11) Tert butyl alcohol	4.76	59	71882	82.916	ug/l	100
12) 1,1-Dichloroethene	3.71	96	67391	17.544	ug/l	98
13) Acrolein	3.58	56	57281	76.133	ug/l	98
14) Allyl chloride	4.29	41	133763	17.680	ug/l	98
15) Acrylonitrile	4.95	53	206103	87.876	ug/l	100
16) Acetone	3.79	43	232907	87.267	ug/l	100
17) Carbon Disulfide	4.02	76	224814	17.153	ug/l	98
18) Methyl Acetate	4.30	43	105486	17.033	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	234479	17.911	ug/l	98
20) Methylene Chloride	4.52	84	79459	17.559	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	77427	18.015	ug/l	97
22) Diisopropyl ether	5.92	45	260181	18.477	ug/l	98
23) Vinyl Acetate	5.86	43	1058875	93.711	ug/l	100
24) 1,1-Dichloroethane	5.82	63	145798	18.226	ug/l	100
25) 2-Butanone	6.81	43	290867	83.180	ug/l	98
26) 2,2-Dichloropropane	6.80	77	126810	18.328	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	85855	17.986	ug/l	99
28) Bromochloromethane	7.17	49	57074	18.697	ug/l	99
29) Tetrahydrofuran	7.19	42	186680	84.902	ug/l	99
30) Chloroform	7.35	83	139907	18.114	ug/l	99
31) Cyclohexane	7.63	56	139644	18.016	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	120480	17.947	ug/l	99
36) 1,1-Dichloropropene	7.77	75	108666	17.902	ug/l	99
37) Ethyl Acetate	6.90	43	115565	17.044	ug/l	99
38) Carbon Tetrachloride	7.75	117	104636	17.923	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	133122	18.224	ug/l	98
40) Benzene	8.02	78	322253	18.129	ug/l	98
41) Methacrylonitrile	7.14	41	38778	14.112	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	110733	18.339	ug/l	99
43) Isopropyl Acetate	8.15	43	177597	17.611	ug/l	99
44) Trichloroethene	8.82	130	81210	17.483	ug/l	98
45) 1,2-Dichloropropane	9.10	63	87478	18.421	ug/l	99
46) Dibromomethane	9.19	93	53453	18.079	ug/l	99
47) Bromodichloromethane	9.39	83	107416	18.119	ug/l	99
48) Methyl methacrylate	9.18	41	77730	17.085	ug/l	99
49) 1,4-Dioxane	9.19	88	24182	351.256	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	539708	90.161	ug/l	98
52) Toluene	10.14	92	194166	18.061	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	123169	17.657	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	134365	18.172	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	75496	17.814	ug/l	97
56) Ethyl methacrylate	10.42	69	109525	16.952	ug/l	99
57) 1,3-Dichloropropane	10.70	76	133106	18.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	171830	84.595	ug/l	99
59) 2-Hexanone	10.74	43	395200	87.726	ug/l	99
60) Dibromochloromethane	10.90	129	80032	17.687	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78176	17.852	ug/l	100
64) Tetrachloroethene	10.62	164	78430	17.749	ug/l	99
65) Chlorobenzene	11.43	112	202944	17.870	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	74979	18.374	ug/l	98
67) Ethyl Benzene	11.51	91	362737	18.230	ug/l	99
68) m/p-Xylenes	11.62	106	270131	36.461	ug/l	98
69) o-Xylene	11.94	106	128224	18.179	ug/l	100
70) Styrene	11.96	104	198870	17.662	ug/l	99
71) Bromoform	12.12	173	56349	17.716	ug/l #	99
73) Isopropylbenzene	12.25	105	339359	18.085	ug/l	100
74) N-amyl acetate	12.07	43	127616	16.884	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	109573	18.204	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	96861m	16.649	ug/l	
77) Bromobenzene	12.53	156	82253	17.541	ug/l	99
78) n-propylbenzene	12.59	91	395220	18.098	ug/l	100
79) 2-Chlorotoluene	12.67	91	238552	18.122	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	287591	18.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38181	17.223	ug/l	98
82) 4-Chlorotoluene	12.77	91	243893	17.957	ug/l	99
83) tert-Butylbenzene	12.99	119	243219	17.865	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	280482	18.302	ug/l	99
85) sec-Butylbenzene	13.17	105	326747	18.108	ug/l	100
86) p-Isopropyltoluene	13.29	119	296766	18.353	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	144586	17.488	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	144445	17.323	ug/l	98
89) n-Butylbenzene	13.62	91	248428	17.148	ug/l	99
90) Hexachloroethane	13.88	117	54747	17.555	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	139142	17.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21034	16.858	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77253	15.966	ug/l	100
94) Hexachlorobutadiene	15.01	225	52441	18.279	ug/l	98
95) Naphthalene	15.13	128	192456	16.164	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	78378	17.457	ug/l	97

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

