

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059486.D
 Acq On : 4 Dec 2019 14:52
 Operator : JC/SP
 Sample : VN1204WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Manual Integrations
 APPROVED

apatel
 12/5/2019 11:19:47 AM

Quant Time: Dec 05 07:15:33 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	327514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	519552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	464583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	166926	41.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.06%	
35) Dibromofluoromethane	7.57	113	129591	40.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.10%	
50) Toluene-d8	10.08	98	510110	39.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.96%	
62) 4-Bromofluorobenzene	12.40	95	178353	40.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	55177	15.140	ug/l 99
3) Chloromethane	2.04	50	76900	15.743	ug/l 99
4) Vinyl Chloride	2.17	62	47005	16.036	ug/l 100
5) Bromomethane	2.55	94	28357	15.919	ug/l 97
6) Chloroethane	2.68	64	26846	15.513	ug/l 96
7) Trichlorofluoromethane	2.99	101	53104	15.001	ug/l 97
8) Diethyl Ether	3.39	74	35070	15.205	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	54055	15.555	ug/l 98
10) Methyl Iodide	3.93	142	66331	15.074	ug/l 100
11) Tert butyl alcohol	4.75	59	64356	83.941	ug/l 99
12) 1,1-Dichloroethene	3.71	96	52638	15.495	ug/l 96
13) Acrolein	3.58	56	43933	66.027	ug/l 98
14) Allyl chloride	4.29	41	102723	15.353	ug/l 99
15) Acrylonitrile	4.96	53	163918	79.029	ug/l 100
16) Acetone	3.79	43	163303	68.087	ug/l 99
17) Carbon Disulfide	4.03	76	170322	14.695	ug/l 100
18) Methyl Acetate	4.30	43	85037	15.526	ug/l 100
19) Methyl tert-butyl Ether	5.01	73	180552	15.595	ug/l 99
20) Methylene Chloride	4.52	84	61444	15.199	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	57289	15.072	ug/l 99
22) Diisopropyl ether	5.92	45	194934	15.653	ug/l 97
23) Vinyl Acetate	5.87	43	816343	81.693	ug/l 100
24) 1,1-Dichloroethane	5.82	63	112031	15.836	ug/l 100
25) 2-Butanone	6.81	43	225230	72.832	ug/l 100
26) 2,2-Dichloropropane	6.80	77	95610	15.626	ug/l 98
27) cis-1,2-Dichloroethene	6.80	96	65891	15.609	ug/l 98
28) Bromochloromethane	7.17	49	36932	13.837	ug/l 98
29) Tetrahydrofuran	7.19	42	150273	77.280	ug/l 99
30) Chloroform	7.35	83	105373	15.427	ug/l 98
31) Cyclohexane	7.63	56	105932	15.454	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	91091	15.343	ug/l 99
36) 1,1-Dichloropropene	7.77	75	82812	15.317	ug/l 99
37) Ethyl Acetate	6.91	43	94743	15.688	ug/l 99
38) Carbon Tetrachloride	7.75	117	80877	15.553	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	96632	14.852	ug/l	97
40) Benzene	8.02	78	246588	15.575	ug/l	98
41) Methacrylonitrile	7.15	41	38015m	15.532	ug/l	
42) 1,2-Dichloroethane	8.10	62	84688	15.747	ug/l	100
43) Isopropyl Acetate	8.15	43	138007	15.364	ug/l	99
44) Trichloroethene	8.82	130	62368	15.074	ug/l	98
45) 1,2-Dichloropropane	9.10	63	66745	15.779	ug/l	100
46) Dibromomethane	9.19	93	40822	15.501	ug/l	98
47) Bromodichloromethane	9.39	83	81783	15.488	ug/l	98
48) Methyl methacrylate	9.19	41	60764	14.995	ug/l	99
49) 1,4-Dioxane	9.19	88	21312	347.558	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	431127	80.860	ug/l	98
52) Toluene	10.15	92	149610	15.624	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	94215	15.163	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	101190	15.365	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	58314	15.449	ug/l	99
56) Ethyl methacrylate	10.42	69	82233	14.518	ug/l	98
57) 1,3-Dichloropropane	10.70	76	100365	15.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	134421	76.222	ug/l	100
59) 2-Hexanone	10.75	43	306838	76.470	ug/l	100
60) Dibromochloromethane	10.90	129	59476	14.757	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59209	15.180	ug/l	100
64) Tetrachloroethene	10.63	164	57535	14.559	ug/l	98
65) Chlorobenzene	11.43	112	152809	15.046	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	55813	15.294	ug/l	99
67) Ethyl Benzene	11.51	91	275110	15.460	ug/l	100
68) m/p-Xylenes	11.62	106	204726	30.898	ug/l	98
69) o-Xylene	11.95	106	97093	15.392	ug/l	98
70) Styrene	11.96	104	149102	14.807	ug/l	99
71) Bromoform	12.13	173	41629	14.635	ug/l #	100
73) Isopropylbenzene	12.25	105	258145	15.335	ug/l	99
74) N-amyl acetate	12.07	43	98575	14.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	86111	15.947	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78220m	14.987	ug/l	
77) Bromobenzene	12.53	156	62956	14.966	ug/l	99
78) n-propylbenzene	12.59	91	299284	15.277	ug/l	100
79) 2-Chlorotoluene	12.67	91	179865	15.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	217845	15.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30445	15.308	ug/l	98
82) 4-Chlorotoluene	12.77	91	184119	15.111	ug/l	98
83) tert-Butylbenzene	12.99	119	185401	15.180	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	212016	15.421	ug/l	100
85) sec-Butylbenzene	13.17	105	245866	15.189	ug/l	100
86) p-Isopropyltoluene	13.29	119	217483	14.993	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111179	14.990	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	107501	14.371	ug/l	97
89) n-Butylbenzene	13.62	91	181440	13.961	ug/l	100
90) Hexachloroethane	13.88	117	42614	15.232	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	107796	15.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17159	15.318	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56866	13.101	ug/l	98
94) Hexachlorobutadiene	15.01	225	39759	15.226	ug/l	98
95) Naphthalene	15.13	128	146398	14.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	59205	15.009	ug/l	98

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

