

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056445.D
 Acq On : 24 Jun 2019 11:04
 Operator : JC/SP
 Sample : VN0624WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:14:22 AM

Quant Time: Jun 25 01:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	373807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	580322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	210715	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.59	113	183627	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	685243	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	225732	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	65424	20.670	ug/l	98
3) Chloromethane	2.06	50	85837	19.917	ug/l	100
4) Vinyl Chloride	2.18	62	83726	20.114	ug/l	100
5) Bromomethane	2.53	94	53602m	21.965	ug/l	
6) Chloroethane	2.69	64	48469	20.107	ug/l	98
7) Trichlorofluoromethane	3.00	101	112399	20.874	ug/l	98
8) Diethyl Ether	3.41	74	47423	20.810	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70520	20.537	ug/l	98
10) Methyl Iodide	3.94	142	89098	19.198	ug/l	99
11) Tert butyl alcohol	4.79	59	78611	112.659	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	68271	20.675	ug/l	99
13) Acrolein	3.61	56	52772	89.733	ug/l	99
14) Allyl chloride	4.32	41	115381	20.990	ug/l	99
15) Acrylonitrile	4.99	53	203980	105.667	ug/l	100
16) Acetone	3.82	43	210134	101.237	ug/l	100
17) Carbon Disulfide	4.05	76	141387	18.825	ug/l	100
18) Methyl Acetate	4.33	43	91011	21.899	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	230288	21.076	ug/l	97
20) Methylene Chloride	4.55	84	81529	20.307	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	72974	20.497	ug/l	97
22) Diisopropyl ether	5.95	45	243735	21.113	ug/l	97
23) Vinyl Acetate	5.90	43	1006222	110.510	ug/l	100
24) 1,1-Dichloroethane	5.85	63	141167	21.303	ug/l	100
25) 2-Butanone	6.84	43	282815	102.948	ug/l	98
26) 2,2-Dichloropropane	6.82	77	97652	21.188	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	89315	21.443	ug/l	98
28) Bromochloromethane	7.19	49	72492	22.116	ug/l	100
29) Tetrahydrofuran	7.21	42	181691	108.227	ug/l	99
30) Chloroform	7.37	83	140517	21.489	ug/l	98
31) Cyclohexane	7.65	56	127551	19.937	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	109444	21.115	ug/l	99
36) 1,1-Dichloropropene	7.79	75	98983	19.378	ug/l	98
37) Ethyl Acetate	6.93	43	108696	21.654	ug/l	99
38) Carbon Tetrachloride	7.77	117	92257	20.654	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	121405	19.262	ug/l	99
40) Benzene	8.04	78	322132	20.503	ug/l	99
41) Methacrylonitrile	7.17	41	47246	21.315	ug/l	96
42) 1,2-Dichloroethane	8.12	62	106973	20.630	ug/l	99
43) Isopropyl Acetate	8.17	43	162569	21.003	ug/l #	92
44) Trichloroethene	8.83	130	84674	20.006	ug/l	96
45) 1,2-Dichloropropane	9.12	63	86572	20.603	ug/l	98
46) Dibromomethane	9.21	93	54690	20.804	ug/l	99
47) Bromodichloromethane	9.40	83	100413	21.536	ug/l	97
48) Methyl methacrylate	9.20	41	79049	20.380	ug/l	100
49) 1,4-Dioxane	9.20	88	33454	415.610	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	524930	105.073	ug/l	99
52) Toluene	10.16	92	193421	20.136	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	99996	20.241	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	119739	21.326	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	79680	20.636	ug/l	97
56) Ethyl methacrylate	10.43	69	117368	20.800	ug/l	100
57) 1,3-Dichloropropane	10.71	76	135315	20.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	171749	84.723	ug/l	100
59) 2-Hexanone	10.75	43	374354	101.954	ug/l	100
60) Dibromochloromethane	10.90	129	74397	20.235	ug/l	100
61) 1,2-Dibromoethane	11.00	107	81531	20.674	ug/l	98
64) Tetrachloroethene	10.63	164	81829	20.561	ug/l	98
65) Chlorobenzene	11.43	112	209187	20.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73846	21.637	ug/l	98
67) Ethyl Benzene	11.51	91	363244	20.486	ug/l	99
68) m/p-Xylenes	11.62	106	270138	41.572	ug/l	100
69) o-Xylene	11.95	106	133924	20.832	ug/l	98
70) Styrene	11.96	104	213408	20.768	ug/l	98
71) Bromoform	12.13	173	50088	20.191	ug/l #	99
73) Isopropylbenzene	12.25	105	352995	23.357	ug/l	100
74) N-amyl acetate	12.07	43	128653	21.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	112016	23.798	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	97002m	24.675	ug/l	
77) Bromobenzene	12.53	156	90938	21.452	ug/l	99
78) n-propylbenzene	12.59	91	367913	21.191	ug/l	99
79) 2-Chlorotoluene	12.67	91	233552	23.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	285224	22.670	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24532	22.179	ug/l	99
82) 4-Chlorotoluene	12.77	91	212106	20.691	ug/l	100
83) tert-Butylbenzene	12.99	119	259104	23.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	268998	21.076	ug/l	100
85) sec-Butylbenzene	13.17	105	322553	21.137	ug/l	100
86) p-Isopropyltoluene	13.29	119	277984	21.226	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	134300	20.905	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	127370	20.472	ug/l	99
89) n-Butylbenzene	13.61	91	188171	18.980	ug/l	99
90) Hexachloroethane	13.87	117	43576	21.343	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	137922	21.639	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14851	21.170	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	42775	17.054	ug/l	99
94) Hexachlorobutadiene	15.01	225	49882	22.043	ug/l	98
95) Naphthalene	15.13	128	120844	17.714	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	51648	18.152	ug/l	100

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

