

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056396.D
 Acq On : 20 Jun 2019 12:42
 Operator : JC/SP
 Sample : VN0620WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 10:50:33 PM

Quant Time: Jun 21 04:55:44 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	7.67	168	382975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	598582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	521375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	216631	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.59	113	189309	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	717496	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	234425	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	66160	20.402	ug/l	99
3) Chloromethane	2.06	50	86416	19.571	ug/l	100
4) Vinyl Chloride	2.18	62	86837	20.362	ug/l	99
5) Bromomethane	2.54	94	55476m	22.189	ug/l	
6) Chloroethane	2.69	64	49865	20.191	ug/l	99
7) Trichlorofluoromethane	3.00	101	110800	20.085	ug/l	98
8) Diethyl Ether	3.41	74	47267	20.245	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70244	19.967	ug/l	100
10) Methyl Iodide	3.95	142	95663	20.119	ug/l	98
11) Tert butyl alcohol	4.79	59	73660	103.037	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	67359	19.910	ug/l	97
13) Acrolein	3.61	56	53018	87.994	ug/l	97
14) Allyl chloride	4.32	41	113578	20.168	ug/l	99
15) Acrylonitrile	4.99	53	198784	100.511	ug/l	98
16) Acetone	3.82	43	176828	83.151	ug/l	98
17) Carbon Disulfide	4.05	76	151554	19.695	ug/l	99
18) Methyl Acetate	4.33	43	88081	20.638	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	231995	20.724	ug/l	99
20) Methylene Chloride	4.55	84	80729	19.596	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	72886	19.982	ug/l	98
22) Diisopropyl ether	5.96	45	242254	20.483	ug/l	95
23) Vinyl Acetate	5.90	43	992576	106.402	ug/l	100
24) 1,1-Dichloroethane	5.85	63	139266	20.513	ug/l	99
25) 2-Butanone	6.84	43	269873	95.885	ug/l	99
26) 2,2-Dichloropropane	6.82	77	90175	19.097	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	88159	20.659	ug/l	98
28) Bromochloromethane	7.20	49	67085	19.977	ug/l	99
29) Tetrahydrofuran	7.21	42	179303	104.247	ug/l	100
30) Chloroform	7.37	83	135481	20.223	ug/l	99
31) Cyclohexane	7.65	56	130068	19.844	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	108008	20.340	ug/l	98
36) 1,1-Dichloropropene	7.79	75	102790	19.510	ug/l	99
37) Ethyl Acetate	6.93	43	108125	20.883	ug/l	99
38) Carbon Tetrachloride	7.77	117	90185	19.574	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124694	19.181	ug/l	98
40) Benzene	8.04	78	318075	19.627	ug/l	98
41) Methacrylonitrile	7.18	41	50280m	21.991	ug/l	
42) 1,2-Dichloroethane	8.12	62	103443	19.341	ug/l	100
43) Isopropyl Acetate	8.17	43	159780	20.013	ug/l	99
44) Trichloroethene	8.83	130	85136	19.502	ug/l	100
45) 1,2-Dichloropropane	9.12	63	83289	19.217	ug/l	99
46) Dibromomethane	9.21	93	54760	20.195	ug/l	98
47) Bromodichloromethane	9.40	83	95824	19.925	ug/l	98
48) Methyl methacrylate	9.20	41	77741	19.431	ug/l	99
49) 1,4-Dioxane	9.20	88	27941	336.531	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	521159	101.136	ug/l	99
52) Toluene	10.16	92	195684	19.750	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	96040	19.046	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	118638	20.485	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	81132	20.371	ug/l	98
56) Ethyl methacrylate	10.43	69	119937	20.607	ug/l	98
57) 1,3-Dichloropropane	10.71	76	135158	20.201	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	194378	92.961	ug/l	99
59) 2-Hexanone	10.75	43	360399	95.159	ug/l	98
60) Dibromochloromethane	10.90	129	72782	19.314	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81591	20.059	ug/l	99
64) Tetrachloroethene	10.63	164	80233	19.432	ug/l	98
65) Chlorobenzene	11.43	112	206507	19.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	71664	20.240	ug/l	97
67) Ethyl Benzene	11.51	91	366584	19.929	ug/l	99
68) m/p-Xylenes	11.62	106	269855	40.030	ug/l	99
69) o-Xylene	11.95	106	133019	19.945	ug/l	100
70) Styrene	11.96	104	215048	20.172	ug/l	100
71) Bromoform	12.13	173	48520	19.061	ug/l #	97
73) Isopropylbenzene	12.25	105	354562	22.825	ug/l	100
74) N-amyl acetate	12.07	43	127256	20.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	110358	22.740	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95895m	23.792	ug/l	
77) Bromobenzene	12.53	156	90813	20.894	ug/l	98
78) n-propylbenzene	12.59	91	368918	20.725	ug/l	100
79) 2-Chlorotoluene	12.67	91	227300	21.864	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	288844	22.363	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21935	19.343	ug/l	92
82) 4-Chlorotoluene	12.77	91	208854	19.872	ug/l	100
83) tert-Butylbenzene	12.99	119	249922	21.895	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	274389	20.969	ug/l	99
85) sec-Butylbenzene	13.17	105	325962	20.834	ug/l	100
86) p-Isopropyltoluene	13.29	119	280443	20.886	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132374	20.097	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124938	19.586	ug/l	99
89) n-Butylbenzene	13.61	91	196856	19.367	ug/l	99
90) Hexachloroethane	13.87	117	42034	20.080	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	134023	20.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15065	20.946	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49936	18.640	ug/l	100
94) Hexachlorobutadiene	15.01	225	46610	19.917	ug/l	99
95) Naphthalene	15.13	128	140051	19.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57379	19.295	ug/l	99

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

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