

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055324.D
 Acq On : 1 May 2019 13:02
 Operator : JC/SP
 Sample : VN0501WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:35:41 AM

Quant Time: May 02 08:30:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	362708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	600934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	249924	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	200446	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	724194	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	228897	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	91484	20.586	ug/l	99
3) Chloromethane	2.06	50	109999	19.990	ug/l	98
4) Vinyl Chloride	2.19	62	87657	19.762	ug/l	98
5) Bromomethane	2.56	94	47413	20.180	ug/l	99
6) Chloroethane	2.70	64	47725	19.861	ug/l	99
7) Trichlorofluoromethane	3.02	101	125718	19.932	ug/l	99
8) Diethyl Ether	3.41	74	46052	20.869	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74216	19.760	ug/l	99
10) Methyl Iodide	3.95	142	105159	19.895	ug/l	100
11) Tert butyl alcohol	4.79	59	30413	111.950	ug/l	99
12) 1,1-Dichloroethene	3.74	96	72289	20.176	ug/l	96
13) Acrolein	3.61	56	21068	99.302	ug/l	95
14) Allyl chloride	4.33	41	148110	19.959	ug/l	100
15) Acrylonitrile	4.99	53	168621	110.426	ug/l	99
16) Acetone	3.82	43	135461	91.621	ug/l	97
17) Carbon Disulfide	4.06	76	175934	18.815	ug/l	98
18) Methyl Acetate	4.33	43	86604	23.497	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	214946	21.340	ug/l	98
20) Methylene Chloride	4.55	84	88271	19.560	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	76373	20.127	ug/l	90
22) Diisopropyl ether	5.95	45	310502	21.059	ug/l	97
23) Vinyl Acetate	5.90	43	1048325	108.486	ug/l	100
24) 1,1-Dichloroethane	5.85	63	161723	20.586	ug/l	99
25) 2-Butanone	6.84	43	199347	105.430	ug/l	98
26) 2,2-Dichloropropane	6.83	77	105955	19.532	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	90482	20.968	ug/l	99
28) Bromochloromethane	7.19	49	85688	21.639	ug/l	97
29) Tetrahydrofuran	7.21	42	137027	113.177	ug/l	99
30) Chloroform	7.37	83	154372	20.730	ug/l	99
31) Cyclohexane	7.65	56	142751	19.126	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	122105	20.203	ug/l	99
36) 1,1-Dichloropropene	7.79	75	107040	18.596	ug/l	98
37) Ethyl Acetate	6.93	43	90503	20.515	ug/l	99
38) Carbon Tetrachloride	7.77	117	103149	18.577	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117863	19.259	ug/l	99
40) Benzene	8.04	78	336084	19.807	ug/l	100
41) Methacrylonitrile	7.17	41	43966	18.882	ug/l	92
42) 1,2-Dichloroethane	8.12	62	121969	20.295	ug/l	100
43) Isopropyl Acetate	8.17	43	159487	22.496	ug/l	99
44) Trichloroethene	8.83	130	82855	19.154	ug/l	98
45) 1,2-Dichloropropane	9.12	63	98399	20.106	ug/l	98
46) Dibromomethane	9.21	93	54876	20.514	ug/l	99
47) Bromodichloromethane	9.40	83	115238	20.080	ug/l	100
48) Methyl methacrylate	9.20	41	70833	20.324	ug/l	96
49) 1,4-Dioxane	9.20	88	15862	440.268	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	425762	106.666	ug/l	99
52) Toluene	10.16	92	194551	19.983	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	101992	20.473	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	126702	20.398	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	76227	21.084	ug/l	98
56) Ethyl methacrylate	10.43	69	95222	21.399	ug/l	99
57) 1,3-Dichloropropane	10.71	76	130502	20.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	125741	98.936	ug/l	97
59) 2-Hexanone	10.75	43	269283	107.824	ug/l	98
60) Dibromochloromethane	10.90	129	75728	20.494	ug/l	97
61) 1,2-Dibromoethane	11.00	107	69459	20.786	ug/l	97
64) Tetrachloroethene	10.63	164	81872	19.597	ug/l	94
65) Chlorobenzene	11.43	112	197422	19.765	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	78139	19.979	ug/l	98
67) Ethyl Benzene	11.51	91	365463	20.262	ug/l	98
68) m/p-Xylenes	11.62	106	263892	40.989	ug/l	97
69) o-Xylene	11.95	106	129882	20.354	ug/l	100
70) Styrene	11.96	104	207774	21.206	ug/l	100
71) Bromoform	12.13	173	45659	21.039	ug/l #	98
73) Isopropylbenzene	12.25	105	346964	20.962	ug/l	98
74) N-amyl acetate	12.07	43	102866	20.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93775	23.030	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83455m	22.068	ug/l	
77) Bromobenzene	12.53	156	82455	21.334	ug/l	99
78) n-propylbenzene	12.59	91	376030	19.139	ug/l	100
79) 2-Chlorotoluene	12.67	91	233838	21.015	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	286486	19.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20287	20.100	ug/l	90
82) 4-Chlorotoluene	12.77	91	217219	19.015	ug/l	99
83) tert-Butylbenzene	12.99	119	243430	21.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269001	20.059	ug/l	99
85) sec-Butylbenzene	13.17	105	313012	19.206	ug/l	99
86) p-Isopropyltoluene	13.29	119	260662	19.459	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126796	19.811	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119931	19.898	ug/l	99
89) n-Butylbenzene	13.61	91	180362	18.948	ug/l	99
90) Hexachloroethane	13.87	117	45622	20.583	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	126980	20.017	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11956	23.760	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	36524	16.948	ug/l	99
94) Hexachlorobutadiene	15.01	225	44290	21.614	ug/l	94
95) Naphthalene	15.13	128	77197	16.882	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	41906	18.739	ug/l	97

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

