

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056081.D
 Acq On : 7 Jun 2019 6:49
 Operator : JC/SP
 Sample : K3190-16MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-30190604MS

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:41:55 AM

Quant Time: Jun 07 07:31:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	278684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	429061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	153452	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.59	113	139503	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.09	98	516469	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	176077	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	149668	48.893	ug/l	100
3) Chloromethane	2.06	50	168055	55.630	ug/l	99
4) Vinyl Chloride	2.18	62	165482	54.609	ug/l	99
5) Bromomethane	2.52	94	95402	49.839	ug/l	99
6) Chloroethane	2.68	64	95870	54.566	ug/l	99
7) Trichlorofluoromethane	3.00	101	194257	50.215	ug/l	99
8) Diethyl Ether	3.40	74	81312	51.112	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	113781	48.419	ug/l	100
10) Methyl Iodide	3.94	142	171639	45.962	ug/l	99
11) Tert butyl alcohol	4.81	59	138587	287.803	ug/l	99
12) 1,1-Dichloroethene	3.72	96	122518	52.369	ug/l	99
13) Acrolein	3.60	56	30036	216.276	ug/l	96
14) Allyl chloride	4.31	41	188033	50.899	ug/l	98
15) Acrylonitrile	4.99	53	356626	304.238	ug/l	99
16) Acetone	3.82	43	293127	221.493	ug/l	100
17) Carbon Disulfide	4.04	76	260960	46.586	ug/l	99
18) Methyl Acetate	4.33	43	132421	50.950	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	409420	54.902	ug/l	99
20) Methylene Chloride	4.54	84	149192	54.718	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	131282	52.373	ug/l	98
22) Diisopropyl ether	5.95	45	418772	54.838	ug/l	98
23) Vinyl Acetate	5.90	43	1423676	236.737	ug/l	99
24) 1,1-Dichloroethane	5.84	63	239213	54.305	ug/l	100
25) 2-Butanone	6.84	43	463598	277.256	ug/l	100
26) 2,2-Dichloropropane	6.82	77	96861	28.179	ug/l	92
27) cis-1,2-Dichloroethene	6.82	96	158183	53.684	ug/l	94
28) Bromochloromethane	7.19	49	116496	55.923	ug/l	98
29) Tetrahydrofuran	7.22	42	309608	299.547	ug/l	99
30) Chloroform	7.37	83	242160	54.648	ug/l	98
31) Cyclohexane	7.65	56	198944	45.309	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	196586	53.125	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173307	46.975	ug/l	99
37) Ethyl Acetate	6.93	43	157024	47.835	ug/l	99
38) Carbon Tetrachloride	7.77	117	161121	47.370	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	186342	40.546	ug/l	99
40) Benzene	8.04	78	568677	50.751	ug/l	100
41) Methacrylonitrile	7.17	41	80723	53.448	ug/l	88
42) 1,2-Dichloroethane	8.12	62	180155	49.982	ug/l	100
43) Isopropyl Acetate	8.17	43	256222	48.168	ug/l #	92
44) Trichloroethene	8.83	130	158655	49.274	ug/l	99
45) 1,2-Dichloropropane	9.12	63	149913	52.232	ug/l	99
46) Dibromomethane	9.21	93	98175	52.308	ug/l	99
47) Bromodichloromethane	9.40	83	173871	51.114	ug/l	98
48) Methyl methacrylate	9.20	41	141291	54.293	ug/l	96
49) 1,4-Dioxane	9.20	88	64032	1139.717	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	919997	276.569	ug/l	99
52) Toluene	10.16	92	355411	50.972	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	167382	42.355	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	195059	47.705	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	144880	52.455	ug/l	99
56) Ethyl methacrylate	10.43	69	217708	54.030	ug/l	98
57) 1,3-Dichloropropane	10.71	76	238516	53.122	ug/l	99
59) 2-Hexanone	10.75	43	640263	265.565	ug/l	99
60) Dibromochloromethane	10.90	129	140289	46.247	ug/l	98
61) 1,2-Dibromoethane	11.00	107	151323	53.593	ug/l	99
64) Tetrachloroethene	10.63	164	150855	45.156	ug/l	99
65) Chlorobenzene	11.43	112	380695	49.564	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136273	51.382	ug/l	99
67) Ethyl Benzene	11.51	91	647474	48.479	ug/l	99
68) m/p-Xylenes	11.62	106	500964	98.188	ug/l	97
69) o-Xylene	11.95	106	249399	49.694	ug/l	99
70) Stvrene	11.96	104	414379	51.966	ug/l	100
71) Bromoform	12.13	173	100742	45.505	ug/l #	99
73) Isopropylbenzene	12.25	105	632842	52.503	ug/l	100
74) N-amyl acetate	12.07	43	195653	43.305	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	201925	51.320	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	170177m	54.566	ug/l	
77) Bromobenzene	12.53	156	176977	48.771	ug/l	96
78) n-propylbenzene	12.59	91	663168	46.250	ug/l	99
79) 2-Chlorotoluene	12.67	91	421257	53.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	525464	46.110	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37690	40.246	ug/l #	85
82) 4-Chlorotoluene	12.77	91	406021	48.400	ug/l	100
83) tert-Butylbenzene	12.99	119	455886	51.649	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	518558	47.985	ug/l	99
85) sec-Butylbenzene	13.17	105	569008	44.810	ug/l	100
86) p-Isopropyltoluene	13.29	119	520789	45.826	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	275602	49.072	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263995	48.864	ug/l	99
89) n-Butylbenzene	13.61	91	370727	44.036	ug/l	99
90) Hexachloroethane	13.87	117	79003	46.096	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	280261	49.427	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30479	54.159	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	125618	41.039	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	85208	43.545	ug/l	98
95) Naphthalene	15.13	128	356148	44.399	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142021	44.926	ug/l	100

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

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