

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057046.D
 Acq On : 1 Aug 2019 18:41
 Operator : JC/SP
 Sample : K4097-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500MSD

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:18:10 AM

Quant Time: Aug 02 06:50:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	468692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	701575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	633521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	260272	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.58	113	239858	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	10.08	98	898470	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.40	95	293232	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	242265	51.130	ug/l	96
3) Chloromethane	2.05	50	271816	47.907	ug/l	100
4) Vinyl Chloride	2.18	62	258940	48.672	ug/l	99
5) Bromomethane	2.54	94	155916	47.142	ug/l	100
6) Chloroethane	2.69	64	142558	48.609	ug/l	99
7) Trichlorofluoromethane	3.00	101	358190	51.433	ug/l	98
8) Diethyl Ether	3.40	74	134075	51.442	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205526	47.601	ug/l	99
10) Methyl Iodide	3.94	142	317334	55.003	ug/l	99
11) Tert butyl alcohol	4.77	59	170317	262.633	ug/l	98
12) 1,1-Dichloroethene	3.72	96	208623	50.639	ug/l	98
13) Acrolein	3.59	56	91535	275.413	ug/l	98
14) Allyl chloride	4.31	41	330735	49.353	ug/l	99
15) Acrylonitrile	4.97	53	502019	263.976	ug/l	100
16) Acetone	3.81	43	376881	216.834	ug/l	100
17) Carbon Disulfide	4.04	76	510901	46.670	ug/l	100
18) Methyl Acetate	4.31	43	253123	45.651	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	652960	53.155	ug/l	99
20) Methylene Chloride	4.54	84	242487	48.432	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	221465	50.616	ug/l	99
22) Diisopropyl ether	5.94	45	698674	50.601	ug/l	99
23) Vinyl Acetate	5.88	43	2274568	237.757	ug/l	98
24) 1,1-Dichloroethane	5.83	63	410502	50.389	ug/l	99
25) 2-Butanone	6.82	43	599741	243.338	ug/l	97
26) 2,2-Dichloropropane	6.81	77	269638	43.529	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	258951	50.039	ug/l	99
28) Bromochloromethane	7.18	49	192939	50.385	ug/l	96
29) Tetrahydrofuran	7.20	42	413518	257.156	ug/l	98
30) Chloroform	7.36	83	413138	49.600	ug/l	99
31) Cyclohexane	7.64	56	358762	45.509	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	349598	52.603	ug/l	99
36) 1,1-Dichloropropene	7.78	75	296306	47.998	ug/l	100
37) Ethyl Acetate	6.91	43	236901	47.914	ug/l	99
38) Carbon Tetrachloride	7.76	117	304694	52.179	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	354683	44.953	ug/l	99
40) Benzene	8.03	78	942809	49.585	ug/l	99
41) Methacrylonitrile	7.16	41	110689	48.426	ug/l	97
42) 1,2-Dichloroethane	8.11	62	300444	50.417	ug/l	98
43) Isopropyl Acetate	8.15	43	393688	48.175	ug/l	98
44) Trichloroethene	8.83	130	262930	50.193	ug/l	99
45) 1,2-Dichloropropane	9.11	63	253035	49.753	ug/l	100
46) Dibromomethane	9.20	93	161030	52.502	ug/l	99
47) Bromodichloromethane	9.39	83	320361	53.125	ug/l	98
48) Methyl methacrylate	9.19	41	205430	52.067	ug/l	99
49) 1,4-Dioxane	9.19	88	83559	1027.686	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1250523	257.544	ug/l	100
52) Toluene	10.15	92	583258	51.056	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	323508	51.697	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	365144	50.185	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	231162	50.457	ug/l	99
56) Ethyl methacrylate	10.42	69	332768	48.164	ug/l	99
57) 1,3-Dichloropropane	10.70	76	387304	50.982	ug/l	99
59) 2-Hexanone	10.74	43	880142	235.525	ug/l	99
60) Dibromochloromethane	10.90	129	252975	53.897	ug/l	97
61) 1,2-Dibromoethane	11.00	107	242243	54.182	ug/l	99
64) Tetrachloroethene	10.63	164	266957	48.899	ug/l	98
65) Chlorobenzene	11.43	112	639161	49.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	244195	50.247	ug/l	100
67) Ethyl Benzene	11.51	91	1110002	49.740	ug/l	100
68) m/p-Xylenes	11.62	106	830576	100.849	ug/l	100
69) o-Xylene	11.94	106	406068	50.396	ug/l	100
70) Stvrene	11.96	104	678360	47.720	ug/l	99
71) Bromoform	12.12	173	182048	53.654	ug/l #	98
73) Isopropylbenzene	12.25	105	1085706	47.896	ug/l	100
74) N-amyl acetate	12.07	43	309649	47.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	302008	52.856	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	248061m	46.570	ug/l	
77) Bromobenzene	12.52	156	287017	48.514	ug/l	99
78) n-propylbenzene	12.59	91	1158665	47.872	ug/l	99
79) 2-Chlorotoluene	12.67	91	711545	47.743	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	905265	48.659	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	81419	49.111	ug/l	96
82) 4-Chlorotoluene	12.77	91	679304	48.706	ug/l	99
83) tert-Butylbenzene	12.99	119	803644	48.796	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	881376	49.235	ug/l	100
85) sec-Butylbenzene	13.17	105	1004077	47.265	ug/l	99
86) p-Isopropyltoluene	13.29	119	909643	48.230	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	445909	49.550	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	430799	49.726	ug/l	100
89) n-Butylbenzene	13.61	91	683117	46.995	ug/l	99
90) Hexachloroethane	13.87	117	159902	49.237	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	449105	50.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46930	52.053	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	195390	43.155	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	158349	51.266	ug/l	99
95) Naphthalene	15.12	128	506480	45.774	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	215659	46.842	ug/l	99

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

