

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058266.D
 Acq On : 20 Sep 2019 21:07
 Operator : JC/SP
 Sample : K4974-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MSD

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:59 PM

Quant Time: Sep 23 07:33:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	447710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	774793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	707890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	346041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	355053	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.57	113	256015	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.08	98	997248	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.41	95	363107	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	181147	49.254	ug/l	98
3) Chloromethane	2.03	50	149749	52.883	ug/l	98
4) Vinyl Chloride	2.17	62	160905	51.939	ug/l	99
5) Bromomethane	2.54	94	83587	50.922	ug/l	98
6) Chloroethane	2.68	64	108220	54.661	ug/l	97
7) Trichlorofluoromethane	3.00	101	239956	47.799	ug/l	98
8) Diethyl Ether	3.39	74	115171	50.070	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	187591	51.829	ug/l	99
10) Methyl Iodide	3.93	142	151454	49.938	ug/l	99
11) Tert butyl alcohol	4.76	59	229487	309.384	ug/l	100
12) 1,1-Dichloroethene	3.72	96	141937	51.687	ug/l	99
13) Acrolein	3.59	56	39268	357.224	ug/l	95
14) Allyl chloride	4.30	41	298350m	50.375	ug/l	
15) Acrylonitrile	4.96	53	586650	296.851	ug/l	100
16) Acetone	3.80	43	525439	248.240	ug/l	98
17) Carbon Disulfide	4.03	76	180054	46.589	ug/l	99
18) Methyl Acetate	4.30	43	295201	53.002	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	740462	54.241	ug/l	100
20) Methylene Chloride	4.53	84	199742	53.917	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	150252	50.202	ug/l	99
22) Diisopropyl ether	5.93	45	810937	53.903	ug/l	98
23) Vinyl Acetate	5.87	43	2823144	274.243	ug/l	100
24) 1,1-Dichloroethane	5.83	63	417001	51.933	ug/l	99
25) 2-Butanone	6.81	43	821891	285.014	ug/l	98
26) 2,2-Dichloropropane	6.81	77	288580	42.364	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	236568	52.106	ug/l	99
28) Bromochloromethane	7.18	49	215715	56.790	ug/l	99
29) Tetrahydrofuran	7.19	42	513581	289.134	ug/l	100
30) Chloroform	7.36	83	447652	51.793	ug/l	100
31) Cyclohexane	7.64	56	261756	50.454	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	352235	53.533	ug/l	99
36) 1,1-Dichloropropene	7.78	75	254010	45.461	ug/l	99
37) Ethyl Acetate	6.91	43	307259	52.989	ug/l	99
38) Carbon Tetrachloride	7.76	117	273692	48.729	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	255675	47.331	ug/l	99
40) Benzene	8.03	78	842392	49.361	ug/l	100
41) Methacrylonitrile	7.16	41	144491m	49.474	ug/l	
42) 1,2-Dichloroethane	8.11	62	357499	49.923	ug/l	100
43) Isopropyl Acetate	8.15	43	540909	49.948	ug/l	99
44) Trichloroethene	8.82	130	214808	51.436	ug/l	99
45) 1,2-Dichloropropane	9.11	63	266665	52.323	ug/l	97
46) Dibromomethane	9.20	93	158315	51.093	ug/l	99
47) Bromodichloromethane	9.40	83	345249	53.185	ug/l	100
48) Methyl methacrylate	9.19	41	275302	55.990	ug/l	99
49) 1,4-Dioxane	9.19	88	92682	1148.086	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1786618	310.605	ug/l	99
52) Toluene	10.15	92	532560	49.794	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352325	52.985	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	373927	50.933	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257882	54.333	ug/l	99
56) Ethyl methacrylate	10.43	69	380204	55.519	ug/l	99
57) 1,3-Dichloropropane	10.71	76	427489	52.391	ug/l	99
59) 2-Hexanone	10.75	43	1300045	304.318	ug/l	100
60) Dibromochloromethane	10.90	129	253804	55.583	ug/l	99
61) 1,2-Dibromoethane	11.00	107	235211	53.474	ug/l	99
64) Tetrachloroethene	10.63	164	155488	45.059	ug/l	99
65) Chlorobenzene	11.44	112	619154	49.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	243892	54.020	ug/l	99
67) Ethyl Benzene	11.51	91	1109370	51.998	ug/l	99
68) m/p-Xylenes	11.62	106	805273	100.215	ug/l	97
69) o-Xylene	11.95	106	414483	52.459	ug/l	97
70) Stvrene	11.97	104	712508	52.338	ug/l	99
71) Bromoform	12.13	173	162262	48.585	ug/l #	99
73) Isopropylbenzene	12.25	105	1159321	53.524	ug/l	99
74) N-amyl acetate	12.07	43	502263	55.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	398706	54.968	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	371108m	59.923	ug/l	
77) Bromobenzene	12.53	156	273247	50.152	ug/l	98
78) n-propylbenzene	12.60	91	1352501	54.950	ug/l	99
79) 2-Chlorotoluene	12.68	91	809277	52.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	986126	53.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	99389	48.023	ug/l	98
82) 4-Chlorotoluene	12.78	91	840063	51.953	ug/l	99
83) tert-Butylbenzene	13.00	119	869457	53.230	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1003274	55.042	ug/l	100
85) sec-Butylbenzene	13.18	105	1176333	55.074	ug/l	100
86) p-Isopropyltoluene	13.30	119	1043594	54.959	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	519679	52.222	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	512724	50.467	ug/l	99
89) n-Butylbenzene	13.62	91	940134	52.221	ug/l	100
90) Hexachloroethane	13.88	117	166769	50.079	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	530987	53.192	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75755	58.012	ug/l	98
93) 1,2,4-Trichlorobenzene	14.92	180	321777	50.451	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	143698	46.614	ug/l	99
95) Naphthalene	15.13	128	958863	58.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	311276	51.636	ug/l	98

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

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