

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057891.D
 Acq On : 11 Sep 2019 1:52
 Operator : JC/SP
 Sample : K4818-06MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-9-9.0-091019MSD

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:22 AM

Quant Time: Sep 11 05:15:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	317249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	549368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	516054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	346148	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	7.57	113	257234	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.09	98	1005757	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	372539	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	222046	50.610	ug/l	98
3) Chloromethane	2.03	50	210170	47.000	ug/l	99
4) Vinyl Chloride	2.16	62	222260	46.963	ug/l	99
5) Bromomethane	2.52	94	87902m	33.290	ug/l	
6) Chloroethane	2.67	64	137177	45.487	ug/l	100
7) Trichlorofluoromethane	2.99	101	270591	45.433	ug/l	98
8) Diethyl Ether	3.39	74	128414	51.694	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	166258	44.251	ug/l	97
10) Methyl Iodide	3.93	142	151060	36.130	ug/l	99
11) Tert butyl alcohol	4.77	59	230500	296.384	ug/l	100
12) 1,1-Dichloroethene	3.71	96	162595	48.132	ug/l	98
13) Acrolein	3.58	56	137257	208.028	ug/l	100
14) Allyl chloride	4.29	41	319983	48.401	ug/l	100
15) Acrylonitrile	4.96	53	573114	268.111	ug/l	100
16) Acetone	3.80	43	507021	240.701	ug/l	98
17) Carbon Disulfide	4.03	76	258129	49.098	ug/l	99
18) Methyl Acetate	4.30	43	292593	52.096	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	851183	60.545	ug/l	99
20) Methylene Chloride	4.53	84	222541	55.634	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	177674	48.654	ug/l	97
22) Diisopropyl ether	5.93	45	824650	53.191	ug/l	98
23) Vinyl Acetate	5.87	43	2922544	265.992	ug/l	100
24) 1,1-Dichloroethane	5.82	63	435067	51.347	ug/l	100
25) 2-Butanone	6.82	43	799369	262.195	ug/l	99
26) 2,2-Dichloropropane	6.81	77	258651	38.573	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	247686	50.612	ug/l	98
28) Bromochloromethane	7.18	49	221575	52.344	ug/l	96
29) Tetrahydrofuran	7.19	42	502073	267.251	ug/l	100
30) Chloroform	7.36	83	449452	50.732	ug/l	99
31) Cyclohexane	7.64	56	277523	47.973	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	354089	50.394	ug/l	99
36) 1,1-Dichloropropene	7.78	75	279531	43.874	ug/l	99
37) Ethyl Acetate	6.91	43	300246	45.612	ug/l	99
38) Carbon Tetrachloride	7.76	117	271906	46.744	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262547	39.200	ug/l	100
40) Benzene	8.03	78	916979	47.805	ug/l	99
41) Methacrylonitrile	7.15	41	148922	49.839	ug/l	98
42) 1,2-Dichloroethane	8.11	62	372845	48.602	ug/l	99
43) Isopropyl Acetate	8.15	43	547009	49.414	ug/l	100
44) Trichloroethene	8.82	130	218973	46.544	ug/l	94
45) 1,2-Dichloropropane	9.11	63	274489	49.178	ug/l	98
46) Dibromomethane	9.20	93	166806	49.456	ug/l	99
47) Bromodichloromethane	9.40	83	340930	50.619	ug/l	96
48) Methyl methacrylate	9.19	41	278899	49.667	ug/l	100
49) 1,4-Dioxane	9.19	88	88071	927.446	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1761217	268.855	ug/l	100
52) Toluene	10.15	92	589805	48.820	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	354792	50.023	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	383625	48.991	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257497	50.317	ug/l	99
56) Ethyl methacrylate	10.43	69	401299	52.073	ug/l	99
57) 1,3-Dichloropropane	10.71	76	436778	49.525	ug/l	99
59) 2-Hexanone	10.75	43	1315187	267.854	ug/l	100
60) Dibromochloromethane	10.90	129	246059	51.779	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243876	50.408	ug/l	100
64) Tetrachloroethene	10.63	164	162575	42.667	ug/l	99
65) Chlorobenzene	11.43	112	652222	48.293	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241958	51.631	ug/l	99
67) Ethyl Benzene	11.51	91	1186014	50.109	ug/l	100
68) m/p-Xylenes	11.62	106	870691	100.427	ug/l	99
69) o-Xylene	11.95	106	447325	51.899	ug/l	98
70) Styrene	11.97	104	778724	52.498	ug/l	99
71) Bromoform	12.13	173	156211	53.465	ug/l #	98
73) Isopropylbenzene	12.25	105	1299617	52.433	ug/l	100
74) N-amyl acetate	12.07	43	555984	51.542	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	392465	47.027	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	348047m	48.167	ug/l	
77) Bromobenzene	12.53	156	310273	50.208	ug/l	90
78) n-propylbenzene	12.59	91	1599298	56.190	ug/l	100
79) 2-Chlorotoluene	12.68	91	839880	46.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1054186	50.336	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95267	46.395	ug/l	98
82) 4-Chlorotoluene	12.78	91	881475	47.716	ug/l	100
83) tert-Butylbenzene	13.00	119	892683	47.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1185695	55.705	ug/l	99
85) sec-Butylbenzene	13.18	105	1268497	51.410	ug/l	99
86) p-Isopropyltoluene	13.29	119	1094369	50.337	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	549743	48.466	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	551475	47.897	ug/l	100
89) n-Butylbenzene	13.62	91	1056184	51.443	ug/l	98
90) Hexachloroethane	13.88	117	187583	58.016	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	554928	48.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73085	53.029	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	369751	49.920	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	150527	47.942	ug/l	97
95) Naphthalene	15.13	128	3227860	176.600	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	366422	56.534	ug/l #	91

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

