

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058131.D
 Acq On : 16 Sep 2019 19:47
 Operator : JC/SP
 Sample : K4871-03MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:38 PM

Quant Time: Sep 17 08:44:06 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	329786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	532899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	506403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	307684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	368573	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
35) Dibromofluoromethane	7.58	113	264747	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.08	98	1015920	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.40	95	376383	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	238333	52.257	ug/l	99
3) Chloromethane	2.04	50	201239	43.292	ug/l	100
4) Vinyl Chloride	2.17	62	213685	43.434	ug/l	100
5) Bromomethane	2.53	94	115230	42.391	ug/l	97
6) Chloroethane	2.68	64	132545	42.280	ug/l	99
7) Trichlorofluoromethane	3.00	101	290593	46.936	ug/l	99
8) Diethyl Ether	3.39	74	136281	52.776	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	208546	53.396	ug/l	98
10) Methyl Iodide	3.93	142	218866	50.358	ug/l	100
11) Tert butyl alcohol	4.76	59	221277	273.709	ug/l	100
12) 1,1-Dichloroethene	3.72	96	173054	49.280	ug/l	97
13) Acrolein	3.58	56	53108	77.431	ug/l	99
14) Allyl chloride	4.30	41	351317	51.121	ug/l	99
15) Acrylonitrile	4.96	53	647992	291.616	ug/l	99
16) Acetone	3.79	43	583014	266.255	ug/l	98
17) Carbon Disulfide	4.03	76	247925	45.377	ug/l	97
18) Methyl Acetate	4.30	43	357562	61.244	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	839783	57.464	ug/l	98
20) Methylene Chloride	4.53	84	237076	57.046	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	193346	50.933	ug/l	98
22) Diisopropyl ether	5.93	45	915608	56.813	ug/l	98
23) Vinyl Acetate	5.87	43	3348033	293.133	ug/l	100
24) 1,1-Dichloroethane	5.83	63	480236	54.523	ug/l	99
25) 2-Butanone	6.81	43	899141	283.709	ug/l	99
26) 2,2-Dichloropropane	6.81	77	309401	44.388	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	272462	53.558	ug/l	100
28) Bromochloromethane	7.18	49	243120	55.251	ug/l	98
29) Tetrahydrofuran	7.19	42	571518	292.651	ug/l	100
30) Chloroform	7.36	83	510114	55.390	ug/l	94
31) Cyclohexane	7.64	56	325130	54.363	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	403870	55.294	ug/l	99
36) 1,1-Dichloropropene	7.78	75	315742	51.089	ug/l	100
37) Ethyl Acetate	6.91	43	351038	54.976	ug/l	99
38) Carbon Tetrachloride	7.76	117	324604	57.528	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	317575	48.882	ug/l	98
40) Benzene	8.03	78	996182	53.539	ug/l	99
41) Methacrylonitrile	7.15	41	180834	62.389	ug/l	96
42) 1,2-Dichloroethane	8.11	62	422177	56.734	ug/l	100
43) Isopropyl Acetate	8.15	43	666109	62.033	ug/l	98
44) Trichloroethene	8.82	130	241798	52.984	ug/l	99
45) 1,2-Dichloropropane	9.11	63	305191	56.369	ug/l	99
46) Dibromomethane	9.20	93	187363	57.268	ug/l	99
47) Bromodichloromethane	9.40	83	389334	59.593	ug/l	96
48) Methyl methacrylate	9.19	41	307603	56.472	ug/l	99
49) 1,4-Dioxane	9.19	88	84266	914.801	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1953319	307.395	ug/l	99
52) Toluene	10.15	92	629510	53.717	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	400185	58.167	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	432775	56.975	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	285723	57.558	ug/l	99
56) Ethyl methacrylate	10.43	69	435829	58.302	ug/l	100
57) 1,3-Dichloropropane	10.71	76	488423	57.093	ug/l	100
59) 2-Hexanone	10.75	43	1433564	300.986	ug/l	99
60) Dibromochloromethane	10.90	129	282861	61.363	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269937	57.519	ug/l	100
64) Tetrachloroethene	10.63	164	189345	50.640	ug/l	99
65) Chlorobenzene	11.43	112	718148	54.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	274119	59.608	ug/l	98
67) Ethyl Benzene	11.51	91	1292052	55.629	ug/l	100
68) m/p-Xylenes	11.62	106	951598	111.850	ug/l	100
69) o-Xylene	11.95	106	471524	55.749	ug/l	97
70) Styrene	11.97	104	828677	56.930	ug/l	99
71) Bromoform	12.13	173	178087	62.114	ug/l #	95
73) Isopropylbenzene	12.25	105	1320323	55.301	ug/l	100
74) N-amyl acetate	12.07	43	609147	58.625	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	445615	55.433	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	402295m	57.798	ug/l	
77) Bromobenzene	12.53	156	316333	53.142	ug/l	98
78) n-propylbenzene	12.60	91	1551049	56.574	ug/l	100
79) 2-Chlorotoluene	12.68	91	927505	53.527	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1137406	56.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105177	53.175	ug/l	96
82) 4-Chlorotoluene	12.78	91	977439	54.929	ug/l	100
83) tert-Butylbenzene	13.00	119	988476	55.123	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1141877	55.693	ug/l	98
85) sec-Butylbenzene	13.18	105	1329725	55.947	ug/l	99
86) p-Isopropyltoluene	13.29	119	1188291	56.743	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	598641	54.790	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	603545	54.420	ug/l	99
89) n-Butylbenzene	13.62	91	1092260	55.230	ug/l	99
90) Hexachloroethane	13.88	117	183367	58.876	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	610991	55.974	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	87021	65.549	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	395416	55.422	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	159707	52.806	ug/l	98
95) Naphthalene	15.13	128	1181236	66.086	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	374873	59.983	ug/l	100

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

