

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058355.D
 Acq On : 25 Sep 2019 10:46
 Operator : JC/SP
 Sample : VN0925WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:15 PM

Quant Time: Sep 26 02:16:15 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	437334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	750460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313033	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.57	113	225960	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	865696	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.41	95	311379	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65214	18.152	ug/l	99
3) Chloromethane	2.04	50	54618	19.084	ug/l	99
4) Vinyl Chloride	2.17	62	59382	19.049	ug/l	99
5) Bromomethane	2.55	94	30499	19.474	ug/l	91
6) Chloroethane	2.69	64	41184	20.187	ug/l	99
7) Trichlorofluoromethane	3.00	101	93658	19.099	ug/l	98
8) Diethyl Ether	3.39	74	41987	18.687	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69836	19.753	ug/l	100
10) Methyl Iodide	3.93	142	50849	17.164	ug/l	99
11) Tert butyl alcohol	4.76	59	81291	112.193	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	53365	19.674	ug/l	99
13) Acrolein	3.60	56	5849	54.471	ug/l	100
14) Allyl chloride	4.30	41	109437	18.916	ug/l	96
15) Acrylonitrile	4.97	53	208642	108.080	ug/l	99
16) Acetone	3.80	43	213638	103.327	ug/l	98
17) Carbon Disulfide	4.03	76	66362	17.747	ug/l	99
18) Methyl Acetate	4.30	43	114936	21.126	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	278471	20.883	ug/l	98
20) Methylene Chloride	4.53	84	74101	20.339	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	58691	19.831	ug/l	93
22) Diisopropyl ether	5.93	45	301784	20.535	ug/l	97
23) Vinyl Acetate	5.87	43	1068385	106.246	ug/l	100
24) 1,1-Dichloroethane	5.83	63	157459	20.075	ug/l	98
25) 2-Butanone	6.82	43	298292	105.895	ug/l	97
26) 2,2-Dichloropropane	6.81	77	125516	18.863	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	86024	19.397	ug/l	97
28) Bromochloromethane	7.18	49	76062	20.499	ug/l	97
29) Tetrahydrofuran	7.19	42	180525	104.043	ug/l	99
30) Chloroform	7.36	83	168305	19.935	ug/l	100
31) Cyclohexane	7.64	56	105270	19.280	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	130193	20.256	ug/l	99
36) 1,1-Dichloropropene	7.78	75	95277	17.605	ug/l	99
37) Ethyl Acetate	6.91	43	119690	21.311	ug/l	98
38) Carbon Tetrachloride	7.76	117	100324	18.441	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	94875	18.177	ug/l	97
40) Benzene	8.03	78	310291	18.771	ug/l	99
41) Methacrylonitrile	7.15	41	50310	18.368	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	135707	19.565	ug/l	100
43) Isopropyl Acetate	8.15	43	198980	18.970	ug/l	98
44) Trichloroethene	8.82	130	77029	19.043	ug/l	99
45) 1,2-Dichloropropane	9.11	63	99778	20.212	ug/l	100
46) Dibromomethane	9.20	93	59300	19.758	ug/l	99
47) Bromodichloromethane	9.39	83	126332	20.092	ug/l	99
48) Methyl methacrylate	9.19	41	97490	20.470	ug/l	99
49) 1,4-Dioxane	9.19	88	35321	451.721	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	640633	114.986	ug/l	98
52) Toluene	10.15	92	195198	18.842	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	125166	19.434	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	136063	19.134	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	94469	20.549	ug/l	97
56) Ethyl methacrylate	10.43	69	133254	20.089	ug/l	100
57) 1,3-Dichloropropane	10.71	76	155779	19.711	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	326392	103.305	ug/l	99
59) 2-Hexanone	10.75	43	452899	109.453	ug/l	99
60) Dibromochloromethane	10.90	129	86593	19.579	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84674	19.874	ug/l	100
64) Tetrachloroethene	10.63	164	60491	18.665	ug/l	96
65) Chlorobenzene	11.44	112	228594	19.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87329	20.595	ug/l	98
67) Ethyl Benzene	11.51	91	400388	19.982	ug/l	99
68) m/p-Xylenes	11.62	106	287020	38.033	ug/l	96
69) o-Xylene	11.95	106	147748	19.911	ug/l	97
70) Styrene	11.97	104	250322	19.579	ug/l	99
71) Bromoform	12.13	173	54502	19.685	ug/l #	99
73) Isopropylbenzene	12.25	105	410490	21.252	ug/l	99
74) N-amyl acetate	12.08	43	175419	21.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	145308	22.465	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	114682m	20.766	ug/l	
77) Bromobenzene	12.53	156	96502	19.862	ug/l	97
78) n-propylbenzene	12.60	91	480245	21.880	ug/l	99
79) 2-Chlorotoluene	12.68	91	287116	20.931	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	350782	21.477	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32460	21.251	ug/l	94
82) 4-Chlorotoluene	12.78	91	298217	20.682	ug/l	99
83) tert-Butylbenzene	13.00	119	316705	21.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	366047	22.520	ug/l	100
85) sec-Butylbenzene	13.18	105	417973	21.944	ug/l	100
86) p-Isopropyltoluene	13.30	119	369529	21.823	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	182973	20.619	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	179170	19.777	ug/l	98
89) n-Butylbenzene	13.62	91	332472	20.710	ug/l	99
90) Hexachloroethane	13.88	117	55780	20.548	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	184787	20.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25146	21.594	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111871	19.670	ug/l	99
94) Hexachlorobutadiene	15.02	225	55116	20.050	ug/l	98
95) Naphthalene	15.14	128	330591	22.429	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106781	19.864	ug/l	98

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

