

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057961.D
 Acq On : 12 Sep 2019 11:36
 Operator : JC/SP
 Sample : VN0913WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:32 PM

Quant Time: Sep 13 05:11:46 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	299401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	485156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	320427	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	7.58	113	225447	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.09	98	927796	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.41	95	315693	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	82275	19.870	ug/l	99
3) Chloromethane	2.03	50	81324	19.270	ug/l	100
4) Vinyl Chloride	2.16	62	81179	18.175	ug/l	96
5) Bromomethane	2.54	94	44479	17.121	ug/l	99
6) Chloroethane	2.68	64	50674	17.805	ug/l	99
7) Trichlorofluoromethane	2.99	101	102077	18.161	ug/l	99
8) Diethyl Ether	3.39	74	43565	18.583	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71150	20.066	ug/l	100
10) Methyl Iodide	3.93	142	64029	16.227	ug/l	99
11) Tert butyl alcohol	4.77	59	71200	97.009	ug/l	98
12) 1,1-Dichloroethene	3.71	96	60331	18.924	ug/l	96
13) Acrolein	3.59	56	42281	67.901	ug/l	92
14) Allyl chloride	4.30	41	112010	17.953	ug/l	97
15) Acrylonitrile	4.97	53	207198	102.708	ug/l	99
16) Acetone	3.80	43	185126	93.125	ug/l	98
17) Carbon Disulfide	4.03	76	83316	16.896	ug/l	99
18) Methyl Acetate	4.31	43	116302	21.942	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	262711	19.801	ug/l	97
20) Methylene Chloride	4.53	84	79890	20.381	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	64345	18.671	ug/l	99
22) Diisopropyl ether	5.93	45	290375	19.846	ug/l	97
23) Vinyl Acetate	5.88	43	1047440	101.014	ug/l	99
24) 1,1-Dichloroethane	5.82	63	157536	19.701	ug/l	99
25) 2-Butanone	6.82	43	286388	99.536	ug/l	99
26) 2,2-Dichloropropane	6.81	77	113848	17.991	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88843	19.236	ug/l	99
28) Bromochloromethane	7.17	49	79381	19.871	ug/l	99
29) Tetrahydrofuran	7.19	42	177185	99.937	ug/l	99
30) Chloroform	7.36	83	165486	19.793	ug/l	99
31) Cyclohexane	7.64	56	114624	19.679	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	125098	18.865	ug/l	97
36) 1,1-Dichloropropene	7.78	75	103347	18.368	ug/l	99
37) Ethyl Acetate	6.91	43	113025	19.443	ug/l #	88
38) Carbon Tetrachloride	7.76	117	96683	18.821	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	108101	18.276	ug/l	93
40) Benzene	8.03	78	331912	19.594	ug/l	98
41) Methacrylonitrile	7.16	41	53636	20.326	ug/l	96
42) 1,2-Dichloroethane	8.11	62	138285	20.412	ug/l	100
43) Isopropyl Acetate	8.15	43	193723	19.816	ug/l	100
44) Trichloroethene	8.83	130	78013	18.777	ug/l	99
45) 1,2-Dichloropropane	9.11	63	98314	19.946	ug/l	100
46) Dibromomethane	9.20	93	61876	20.774	ug/l	97
47) Bromodichloromethane	9.40	83	115930	19.491	ug/l	97
48) Methyl methacrylate	9.19	41	96759	19.512	ug/l	99
49) 1,4-Dioxane	9.19	88	31846	379.745	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	624303	107.915	ug/l	98
52) Toluene	10.15	92	208600	19.552	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	115706	18.473	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	129201	18.683	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	91178	20.175	ug/l	98
56) Ethyl methacrylate	10.43	69	135008	19.838	ug/l	99
57) 1,3-Dichloropropane	10.71	76	155599	19.978	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	340752	106.306	ug/l	99
59) 2-Hexanone	10.75	43	446895	103.062	ug/l	99
60) Dibromochloromethane	10.90	129	79011	18.827	ug/l	100
61) 1,2-Dibromoethane	11.00	107	83935	19.645	ug/l	98
64) Tetrachloroethene	10.63	164	64605	18.855	ug/l	97
65) Chlorobenzene	11.44	112	230179	18.952	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80422	19.083	ug/l	99
67) Ethyl Benzene	11.51	91	415724	19.531	ug/l	99
68) m/p-Xylenes	11.62	106	297095	38.105	ug/l	99
69) o-Xylene	11.95	106	148446	19.152	ug/l	97
70) Styrene	11.97	104	256423	19.223	ug/l	98
71) Bromoform	12.13	173	47302	18.003	ug/l #	98
73) Isopropylbenzene	12.25	105	413082	20.256	ug/l	100
74) N-amyl acetate	12.07	43	173198	19.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	139233	20.278	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	122451m	20.597	ug/l	
77) Bromobenzene	12.53	156	98080	19.290	ug/l	96
78) n-propylbenzene	12.60	91	483265	20.637	ug/l	100
79) 2-Chlorotoluene	12.68	91	287915	19.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	354428	20.570	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28129	16.650	ug/l #	85
82) 4-Chlorotoluene	12.78	91	293908	19.337	ug/l	99
83) tert-Butylbenzene	13.00	119	310504	20.273	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	352443	20.125	ug/l	99
85) sec-Butylbenzene	13.18	105	407726	20.084	ug/l	100
86) p-Isopropyltoluene	13.30	119	364926	20.402	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	179336	19.217	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	178664	18.861	ug/l	99
89) n-Butylbenzene	13.62	91	329877	19.529	ug/l	100
90) Hexachloroethane	13.88	117	50771	19.086	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	177634	19.052	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21864	19.282	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104546	17.156	ug/l	96
94) Hexachlorobutadiene	15.02	225	47620	18.434	ug/l	98
95) Naphthalene	15.13	128	306731	18.962	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	103275	20.023	ug/l	99

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

