

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058319.D
 Acq On : 24 Sep 2019 1:53
 Operator : JC/SP
 Sample : VN0923WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:43:15 AM

Quant Time: Sep 24 07:26:56 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	398369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	705962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300674	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	312665	56.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.70%	
35) Dibromofluoromethane	7.58	113	219444	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.09	98	849289	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.41	95	299805	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62015	18.950	ug/l	98
3) Chloromethane	2.04	50	55738	21.507	ug/l	98
4) Vinyl Chloride	2.17	62	58931	20.836	ug/l	100
5) Bromomethane	2.55	94	30161	21.080	ug/l	97
6) Chloroethane	2.68	64	42352	23.024	ug/l	97
7) Trichlorofluoromethane	3.00	101	87294	19.543	ug/l	97
8) Diethyl Ether	3.39	74	43765	21.383	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	65612	20.373	ug/l	99
10) Methyl Iodide	3.93	142	48375	17.926	ug/l	99
11) Tert butyl alcohol	4.76	59	84526	128.068	ug/l	98
12) 1,1-Dichloroethene	3.72	96	51952	21.051	ug/l	95
13) Acrolein	3.59	56	16192	165.544	ug/l	93
14) Allyl chloride	4.30	41	94190	17.873	ug/l	91
15) Acrylonitrile	4.96	53	223586	127.150	ug/l	99
16) Acetone	3.80	43	190849	101.333	ug/l	100
17) Carbon Disulfide	4.03	76	61602	18.080	ug/l	100
18) Methyl Acetate	4.30	43	125900	25.405	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	275208	22.657	ug/l	98
20) Methylene Chloride	4.53	84	76706	23.143	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	58508	21.741	ug/l	92
22) Diisopropyl ether	5.93	45	296457	22.146	ug/l	94
23) Vinyl Acetate	5.87	43	1054386	115.110	ug/l	99
24) 1,1-Dichloroethane	5.83	63	158151	22.136	ug/l	99
25) 2-Butanone	6.82	43	309207	120.507	ug/l	99
26) 2,2-Dichloropropane	6.81	77	86242	14.228	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	86096	21.312	ug/l	98
28) Bromochloromethane	7.18	49	73192	21.655	ug/l	96
29) Tetrahydrofuran	7.19	42	189045	119.610	ug/l	99
30) Chloroform	7.36	83	168030	21.849	ug/l	100
31) Cyclohexane	7.64	56	97390	19.621	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	130042	22.212	ug/l	97
36) 1,1-Dichloropropene	7.78	75	92504	18.170	ug/l	99
37) Ethyl Acetate	6.91	43	121473	22.992	ug/l	99
38) Carbon Tetrachloride	7.76	117	99624	19.467	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	86232	17.564	ug/l	97
40) Benzene	8.03	78	315614	20.297	ug/l	100
41) Methacrylonitrile	7.16	41	60810	23.342	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	136749	20.958	ug/l	99
43) Isopropyl Acetate	8.15	43	206395	20.917	ug/l #	90
44) Trichloroethene	8.83	130	74574	19.598	ug/l	99
45) 1,2-Dichloropropane	9.11	63	99948	21.523	ug/l	99
46) Dibromomethane	9.20	93	60668	21.488	ug/l	97
47) Bromodichloromethane	9.40	83	128442	21.715	ug/l	96
48) Methyl methacrylate	9.19	41	99086	22.117	ug/l	98
49) 1,4-Dioxane	9.19	88	33493	455.342	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	675466	128.880	ug/l	98
52) Toluene	10.15	92	195954	20.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	116992	19.309	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	131348	19.635	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	96449	22.302	ug/l	98
56) Ethyl methacrylate	10.43	69	135878	21.776	ug/l	98
57) 1,3-Dichloropropane	10.71	76	163913	22.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	334992	112.710	ug/l	100
59) 2-Hexanone	10.75	43	474274	121.844	ug/l	99
60) Dibromochloromethane	10.90	129	87724	21.085	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85730	21.391	ug/l	99
64) Tetrachloroethene	10.63	164	58784	18.874	ug/l	97
65) Chlorobenzene	11.44	112	227320	20.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88082	21.615	ug/l	99
67) Ethyl Benzene	11.51	91	401385	20.844	ug/l	100
68) m/p-Xylenes	11.63	106	289872	39.968	ug/l	97
69) o-Xylene	11.95	106	143461	20.117	ug/l	99
70) Styrene	11.97	104	259261	21.100	ug/l	99
71) Bromoform	12.13	173	54826	20.437	ug/l #	98
73) Isopropylbenzene	12.25	105	405493	21.546	ug/l	99
74) N-amyl acetate	12.08	43	182767	23.214	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	151355	24.015	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	121266m	22.535	ug/l	
77) Bromobenzene	12.53	156	98469	20.800	ug/l	98
78) n-propylbenzene	12.60	91	468517	21.907	ug/l	99
79) 2-Chlorotoluene	12.68	91	287538	21.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	348088	21.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	29213	20.069	ug/l	87
82) 4-Chlorotoluene	12.78	91	299823	21.340	ug/l	100
83) tert-Butylbenzene	13.00	119	305987	21.560	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	345533	21.817	ug/l	99
85) sec-Butylbenzene	13.18	105	406735	21.916	ug/l	98
86) p-Isopropyltoluene	13.30	119	357242	21.652	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	181713	21.015	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	181952	20.612	ug/l	97
89) n-Butylbenzene	13.62	91	318544	20.364	ug/l	98
90) Hexachloroethane	13.88	117	55760	21.007	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	187645	21.634	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25438	22.419	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	106450	19.209	ug/l	99
94) Hexachlorobutadiene	15.02	225	49575	18.508	ug/l	100
95) Naphthalene	15.14	128	310098	21.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	104098	19.874	ug/l	100

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

