

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058415.D
 Acq On : 27 Sep 2019 17:57
 Operator : JC/SP
 Sample : VN0927WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:19:00 AM

Quant Time: Sep 30 09:00:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	472140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	785365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	697598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325176	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	341904	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
35) Dibromofluoromethane	7.57	113	241400	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
50) Toluene-d8	10.09	98	970321	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.41	95	346149	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	110335	21.313	ug/l	100
3) Chloromethane	2.04	50	119387	20.976	ug/l	100
4) Vinyl Chloride	2.17	62	114952	20.618	ug/l	99
5) Bromomethane	2.55	94	60421	20.402	ug/l	97
6) Chloroethane	2.69	64	67150	20.101	ug/l	99
7) Trichlorofluoromethane	3.00	101	137186	20.389	ug/l	96
8) Diethyl Ether	3.39	74	59926	20.643	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92055	20.146	ug/l	99
10) Methyl Iodide	3.93	142	104092	20.544	ug/l	99
11) Tert butyl alcohol	4.76	59	85639	111.729	ug/l	97
12) 1,1-Dichloroethene	3.72	96	86631	19.450	ug/l	98
13) Acrolein	3.59	56	35389	145.163	ug/l	95
14) Allyl chloride	4.30	41	159261	19.649	ug/l	99
15) Acrylonitrile	4.96	53	233077	104.337	ug/l	100
16) Acetone	3.80	43	217248	92.368	ug/l	93
17) Carbon Disulfide	4.03	76	229933	19.584	ug/l	99
18) Methyl Acetate	4.30	43	115310	19.493	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	315312	20.064	ug/l	99
20) Methylene Chloride	4.53	84	107980	19.894	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	99536	20.097	ug/l	94
22) Diisopropyl ether	5.93	45	348531	19.982	ug/l	96
23) Vinyl Acetate	5.87	43	1403373	106.707	ug/l	98
24) 1,1-Dichloroethane	5.83	63	194850	19.849	ug/l	99
25) 2-Butanone	6.82	43	321363	99.517	ug/l	100
26) 2,2-Dichloropropane	6.81	77	149876	18.572	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	113538	19.614	ug/l	100
28) Bromochloromethane	7.18	49	82129	20.930	ug/l	100
29) Tetrahydrofuran	7.19	42	210076	102.498	ug/l	99
30) Chloroform	7.36	83	194066	19.509	ug/l	98
31) Cyclohexane	7.64	56	190583	19.959	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	164585	20.148	ug/l	99
36) 1,1-Dichloropropene	7.78	75	150573	20.051	ug/l	99
37) Ethyl Acetate	6.91	43	136469	21.434	ug/l	100
38) Carbon Tetrachloride	7.76	117	134954	19.909	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	178027	20.300	ug/l	99
40) Benzene	8.03	78	437364	20.261	ug/l	99
41) Methacrylonitrile	7.15	41	49760m	16.988	ug/l	
42) 1,2-Dichloroethane	8.11	62	166898	19.873	ug/l	100
43) Isopropyl Acetate	8.15	43	228544	19.089	ug/l	99
44) Trichloroethene	8.83	130	107018	20.078	ug/l	96
45) 1,2-Dichloropropane	9.11	63	118123	20.404	ug/l	99
46) Dibromomethane	9.20	93	74360	20.282	ug/l	99
47) Bromodichloromethane	9.39	83	140153	20.176	ug/l	100
48) Methyl methacrylate	9.19	41	109220	20.034	ug/l	98
49) 1,4-Dioxane	9.19	88	37677	516.854	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	675629	109.859	ug/l	99
52) Toluene	10.15	92	295041	21.715	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	152627	20.187	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	171745	20.464	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	101400	20.496	ug/l	98
56) Ethyl methacrylate	10.43	69	158614	21.129	ug/l	99
57) 1,3-Dichloropropane	10.71	76	183584	20.804	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	311720	104.136	ug/l	99
59) 2-Hexanone	10.75	43	488936	109.184	ug/l	99
60) Dibromochloromethane	10.90	129	97286	18.643	ug/l	100
61) 1,2-Dibromoethane	11.00	107	102881	20.352	ug/l	100
64) Tetrachloroethene	10.63	164	88939	20.067	ug/l	98
65) Chlorobenzene	11.43	112	281692	20.314	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96497	20.654	ug/l	99
67) Ethyl Benzene	11.51	91	534506	21.281	ug/l	99
68) m/p-Xylenes	11.62	106	398366	42.156	ug/l	98
69) o-Xylene	11.95	106	189029	20.780	ug/l	97
70) Styrene	11.97	104	308153	20.852	ug/l	99
71) Bromoform	12.13	173	59118	18.751	ug/l #	98
73) Isopropylbenzene	12.25	105	506532	21.078	ug/l	100
74) N-amyl acetate	12.08	43	197102	20.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	147319	20.731	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	120352m	20.263	ug/l	
77) Bromobenzene	12.53	156	113999	20.231	ug/l	99
78) n-propylbenzene	12.60	91	586377	21.658	ug/l	99
79) 2-Chlorotoluene	12.68	91	348149	20.834	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	423519	21.053	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	35041	17.918	ug/l	88
82) 4-Chlorotoluene	12.78	91	352568	20.676	ug/l	99
83) tert-Butylbenzene	13.00	119	361680	21.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	434958	21.581	ug/l	99
85) sec-Butylbenzene	13.18	105	475645	21.289	ug/l	99
86) p-Isopropyltoluene	13.30	119	427836	21.755	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	204849	20.049	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	204082	20.076	ug/l	98
89) n-Butylbenzene	13.62	91	372124	20.888	ug/l	99
90) Hexachloroethane	13.88	117	63324	21.431	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	203509	20.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26638	21.257	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	113990	21.012	ug/l	97
94) Hexachlorobutadiene	15.02	225	55120	19.768	ug/l	98
95) Naphthalene	15.13	128	366811	23.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109179	20.059	ug/l	98

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

