

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058053.D
 Acq On : 14 Sep 2019 6:00
 Operator : JC/SP
 Sample : VN0914WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD04

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:06 PM

Quant Time: Sep 14 06:56:20 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	326015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	536540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	350484	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
35) Dibromofluoromethane	7.58	113	248701	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	10.09	98	972912	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	345004	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	89466	19.843	ug/l	100
3) Chloromethane	2.04	50	82056	17.857	ug/l	98
4) Vinyl Chloride	2.17	62	82146	16.890	ug/l	100
5) Bromomethane	2.55	94	46221	16.268	ug/l	97
6) Chloroethane	2.69	64	53389	17.227	ug/l	96
7) Trichlorofluoromethane	3.00	101	109395	17.874	ug/l	99
8) Diethyl Ether	3.39	74	50084	19.620	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78230	20.262	ug/l	97
10) Methyl Iodide	3.94	142	77073	17.939	ug/l	98
11) Tert butyl alcohol	4.76	59	79394	99.342	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	67330	19.395	ug/l	98
13) Acrolein	3.59	56	11634	17.158	ug/l	96
14) Allyl chloride	4.30	41	122554	18.039	ug/l	98
15) Acrylonitrile	4.96	53	227709	103.661	ug/l	99
16) Acetone	3.80	43	200839	92.782	ug/l	99
17) Carbon Disulfide	4.03	76	90387	16.835	ug/l	99
18) Methyl Acetate	4.30	43	134126	23.239	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	311519	21.563	ug/l	100
20) Methylene Chloride	4.53	84	93463	21.991	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	71579	19.074	ug/l	99
22) Diisopropyl ether	5.93	45	338515	21.248	ug/l	96
23) Vinyl Acetate	5.87	43	1165089	103.188	ug/l	99
24) 1,1-Dichloroethane	5.83	63	180045	20.678	ug/l	100
25) 2-Butanone	6.82	43	304045	97.046	ug/l	99
26) 2,2-Dichloropropane	6.80	77	97526	14.153	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	102247	20.331	ug/l	98
28) Bromochloromethane	7.18	49	98615	22.670	ug/l	100
29) Tetrahydrofuran	7.19	42	197970	102.545	ug/l	98
30) Chloroform	7.36	83	190160	20.887	ug/l	99
31) Cyclohexane	7.64	56	121255	19.051	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	144914	20.070	ug/l	98
36) 1,1-Dichloropropene	7.78	75	113753	18.281	ug/l	99
37) Ethyl Acetate	6.91	43	131692	20.484	ug/l	99
38) Carbon Tetrachloride	7.76	117	114599	20.172	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	115081	17.593	ug/l	97
40) Benzene	8.03	78	379521	20.259	ug/l	100
41) Methacrylonitrile	7.15	41	59835	20.503	ug/l	95
42) 1,2-Dichloroethane	8.11	62	157085	20.966	ug/l	99
43) Isopropyl Acetate	8.15	43	239485	22.151	ug/l #	88
44) Trichloroethene	8.83	130	93498	20.349	ug/l	95
45) 1,2-Dichloropropane	9.11	63	113639	20.847	ug/l	98
46) Dibromomethane	9.20	93	68212	20.708	ug/l	98
47) Bromodichloromethane	9.40	83	137116	20.845	ug/l	100
48) Methyl methacrylate	9.19	41	106340	19.390	ug/l	99
49) 1,4-Dioxane	9.19	88	35270	380.297	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	676319	105.710	ug/l	99
52) Toluene	10.15	92	235222	19.936	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	127721	18.438	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	143667	18.786	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	104355	20.879	ug/l	98
56) Ethyl methacrylate	10.43	69	148158	19.685	ug/l	99
57) 1,3-Dichloropropane	10.71	76	178443	20.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	319470	90.121	ug/l	99
59) 2-Hexanone	10.75	43	466646	97.310	ug/l	100
60) Dibromochloromethane	10.90	129	90650	19.532	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93730	19.837	ug/l	99
64) Tetrachloroethene	10.63	164	74847	20.430	ug/l	98
65) Chlorobenzene	11.43	112	264763	20.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	94164	20.898	ug/l	98
67) Ethyl Benzene	11.51	91	469018	20.609	ug/l	99
68) m/p-Xylenes	11.62	106	336680	40.387	ug/l	98
69) o-Xylene	11.95	106	171241	20.663	ug/l	99
70) Styrene	11.97	104	293676	20.591	ug/l	99
71) Bromoform	12.13	173	52916	18.836	ug/l #	95
73) Isopropylbenzene	12.25	105	471048	21.319	ug/l	100
74) N-amyl acetate	12.07	43	191006	19.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151802	20.406	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	133430m	20.715	ug/l	
77) Bromobenzene	12.53	156	111644	20.267	ug/l	98
78) n-propylbenzene	12.60	91	548583	21.622	ug/l	99
79) 2-Chlorotoluene	12.68	91	330844	20.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	403328	21.605	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	27484	15.015	ug/l	89
82) 4-Chlorotoluene	12.78	91	343139	20.838	ug/l	100
83) tert-Butylbenzene	13.00	119	344854	20.781	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	404856	21.337	ug/l	98
85) sec-Butylbenzene	13.18	105	472839	21.498	ug/l	99
86) p-Isopropyltoluene	13.29	119	416731	21.503	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	209209	20.691	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	204389	19.914	ug/l	98
89) n-Butylbenzene	13.62	91	373799	20.424	ug/l	100
90) Hexachloroethane	13.88	117	57243	19.861	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	208947	20.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24969	20.324	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	126695	19.189	ug/l	99
94) Hexachlorobutadiene	15.01	225	57700	20.616	ug/l	98
95) Naphthalene	15.13	128	356848	20.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	120944	21.562	ug/l	99

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

