

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057980.D
 Acq On : 12 Sep 2019 19:43
 Operator : JC/SP
 Sample : VN0913WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:04:56 PM

Quant Time: Sep 13 06:30:11 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	301501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274112	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	315586	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
35) Dibromofluoromethane	7.58	113	226939	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
50) Toluene-d8	10.09	98	910108	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.41	95	314957	45.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	82067	19.682	ug/l	98
3) Chloromethane	2.04	50	73029	17.184	ug/l	95
4) Vinyl Chloride	2.17	62	76938	17.106	ug/l	98
5) Bromomethane	2.55	94	44299	16.916	ug/l	99
6) Chloroethane	2.69	64	50509	17.623	ug/l	99
7) Trichlorofluoromethane	3.00	101	100694	17.790	ug/l	100
8) Diethyl Ether	3.39	74	47131	19.964	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69219	19.385	ug/l	100
10) Methyl Iodide	3.94	142	67171	16.905	ug/l	98
11) Tert butyl alcohol	4.76	59	70063	94.795	ug/l	100
12) 1,1-Dichloroethene	3.72	96	60145	18.734	ug/l	98
13) Acrolein	3.59	56	7103m	11.328	ug/l	
14) Allyl chloride	4.31	41	114773	18.268	ug/l	98
15) Acrylonitrile	4.96	53	216371	106.508	ug/l	100
16) Acetone	3.80	43	182396	91.113	ug/l	97
17) Carbon Disulfide	4.03	76	82466	16.610	ug/l	98
18) Methyl Acetate	4.30	43	120308	22.540	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	279529	20.922	ug/l	99
20) Methylene Chloride	4.53	84	82375	20.899	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	65636	18.912	ug/l	95
22) Diisopropyl ether	5.93	45	301124	20.437	ug/l	97
23) Vinyl Acetate	5.87	43	1094076	104.777	ug/l	98
24) 1,1-Dichloroethane	5.83	63	161237	20.023	ug/l	99
25) 2-Butanone	6.82	43	292390	100.914	ug/l	100
26) 2,2-Dichloropropane	6.80	77	113043	17.739	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	90890	19.542	ug/l	99
28) Bromochloromethane	7.18	49	83430	20.739	ug/l	99
29) Tetrahydrofuran	7.19	42	188809	105.752	ug/l	99
30) Chloroform	7.36	83	172930	20.539	ug/l	98
31) Cyclohexane	7.64	56	111701	18.968	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	133726	20.026	ug/l	98
36) 1,1-Dichloropropene	7.78	75	105943	18.213	ug/l	98
37) Ethyl Acetate	6.91	43	121272	20.178	ug/l	100
38) Carbon Tetrachloride	7.76	117	102480	19.296	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105011	17.173	ug/l	97
40) Benzene	8.03	78	342623	19.564	ug/l	99
41) Methacrylonitrile	7.15	41	42828m	15.698	ug/l	
42) 1,2-Dichloroethane	8.11	62	143057	20.425	ug/l	100
43) Isopropyl Acetate	8.15	43	260949	25.819	ug/l #	92
44) Trichloroethene	8.83	130	80644	18.774	ug/l	98
45) 1,2-Dichloropropane	9.11	63	102797	20.172	ug/l	98
46) Dibromomethane	9.20	93	64122	20.823	ug/l	97
47) Bromodichloromethane	9.40	83	126321	20.542	ug/l	99
48) Methyl methacrylate	9.19	41	100352	19.573	ug/l	99
49) 1,4-Dioxane	9.19	88	31248	360.411	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	644547	107.766	ug/l	100
52) Toluene	10.15	92	214984	19.490	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	122877	18.975	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	137542	19.238	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	95554	20.451	ug/l	98
56) Ethyl methacrylate	10.43	69	139802	19.869	ug/l	100
57) 1,3-Dichloropropane	10.71	76	162136	20.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	302571	91.303	ug/l	100
59) 2-Hexanone	10.75	43	459573	102.515	ug/l	98
60) Dibromochloromethane	10.90	129	84370	19.446	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86950	19.684	ug/l	99
64) Tetrachloroethene	10.63	164	65193	18.798	ug/l	97
65) Chlorobenzene	11.44	112	239433	19.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85791	20.113	ug/l	99
67) Ethyl Benzene	11.51	91	427298	19.835	ug/l	98
68) m/p-Xylenes	11.62	106	308104	39.044	ug/l	98
69) o-Xylene	11.95	106	154087	19.641	ug/l	97
70) Styrene	11.97	104	265444	19.661	ug/l	97
71) Bromoform	12.13	173	50502	18.991	ug/l #	98
73) Isopropylbenzene	12.25	105	429628	20.199	ug/l	99
74) N-amyl acetate	12.07	43	188237	20.335	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144995	20.246	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	122792m	19.802	ug/l	
77) Bromobenzene	12.53	156	102178	19.268	ug/l	97
78) n-propylbenzene	12.60	91	494518	20.247	ug/l	100
79) 2-Chlorotoluene	12.68	91	302369	19.587	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	362969	20.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29031	16.475	ug/l	85
82) 4-Chlorotoluene	12.78	91	308637	19.469	ug/l	100
83) tert-Butylbenzene	13.00	119	309904	19.399	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	360503	19.736	ug/l	100
85) sec-Butylbenzene	13.18	105	424520	20.049	ug/l	99
86) p-Isopropyltoluene	13.30	119	373754	20.033	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	189883	19.507	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185328	18.757	ug/l	97
89) n-Butylbenzene	13.62	91	334185	18.968	ug/l	99
90) Hexachloroethane	13.88	117	51483	18.555	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	191398	19.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24187	20.451	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	110305	17.354	ug/l	98
94) Hexachlorobutadiene	15.02	225	50625	18.789	ug/l	96
95) Naphthalene	15.13	128	319973	18.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104930	19.530	ug/l	100

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

