

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057216.D
 Acq On : 12 Aug 2019 15:37
 Operator : JC/SP
 Sample : VN0812WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:53 AM

Quant Time: Aug 13 02:24:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1038071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1519001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1328789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	483921	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	522298	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
35) Dibromofluoromethane	6.99	113	467715	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
50) Toluene-d8	9.56	98	1734275	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.92	95	544993	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.82	85	145202	17.403	ug/l	99
3) Chloromethane	2.00	50	173754	15.674	ug/l	100
4) Vinyl Chloride	2.11	62	173743	16.861	ug/l	100
5) Bromomethane	2.43	94	131077	18.722	ug/l	97
6) Chloroethane	2.55	64	120262	18.196	ug/l	99
7) Trichlorofluoromethane	2.83	101	282773	19.092	ug/l	98
8) Diethyl Ether	3.14	74	109146	19.074	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	172861	19.252	ug/l	99
10) Methyl Iodide	3.63	142	257554	18.982	ug/l	99
11) Tert butyl alcohol	4.23	59	139817	92.032	ug/l	98
12) 1,1-Dichloroethene	3.43	96	164676	18.643	ug/l	96
13) Acrolein	3.31	56	56297	58.577	ug/l	99
14) Allyl chloride	3.91	41	236660	18.436	ug/l	98
15) Acrylonitrile	4.45	53	407667	99.149	ug/l	99
16) Acetone	3.48	43	329841	102.305	ug/l	99
17) Carbon Disulfide	3.72	76	404782	17.226	ug/l	97
18) Methyl Acetate	3.89	43	201184	20.557	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	527409	19.778	ug/l	98
20) Methylene Chloride	4.10	84	198526	18.658	ug/l	98
21) trans-1,2-Dichloroethene	4.51	96	179272	18.631	ug/l	94
22) Diisopropyl ether	5.32	45	541398	19.336	ug/l	96
23) Vinyl Acetate	5.27	43	2105091	98.181	ug/l	100
24) 1,1-Dichloroethane	5.25	63	325265	18.897	ug/l	98
25) 2-Butanone	6.20	43	503416	102.197	ug/l	98
26) 2,2-Dichloropropane	6.21	77	262361	20.951	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	210698	19.114	ug/l	99
28) Bromochloromethane	6.59	49	158789	20.057	ug/l	99
29) Tetrahydrofuran	6.60	42	331003	99.750	ug/l	98
30) Chloroform	6.76	83	343711	19.294	ug/l	99
31) Cyclohexane	7.07	56	277607	17.927	ug/l	96
32) 1,1,1-Trichloroethane	6.98	97	290611	19.446	ug/l	99
36) 1,1-Dichloropropene	7.20	75	243356	19.458	ug/l	99
37) Ethyl Acetate	6.28	43	211636	20.520	ug/l #	100
38) Carbon Tetrachloride	7.18	117	262884	20.169	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	286250	18.821	ug/l	97
40) Benzene	7.46	78	771997	19.498	ug/l	98
41) Methacrylonitrile	6.55	41	102787	19.627	ug/l	92
42) 1,2-Dichloroethane	7.54	62	249279	19.742	ug/l	100
43) Isopropyl Acetate	7.56	43	365914	20.798	ug/l	97
44) Trichloroethene	8.27	130	215565	19.434	ug/l	96
45) 1,2-Dichloropropane	8.56	63	200302	19.539	ug/l	100
46) Dibromomethane	8.65	93	137039	20.848	ug/l	97
47) Bromodichloromethane	8.85	83	260235	20.461	ug/l	99
48) Methyl methacrylate	8.64	41	155890	18.790	ug/l	96
49) 1,4-Dioxane	8.64	88	67704	400.688	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	1030387	100.628	ug/l	99
52) Toluene	9.63	92	480334	19.545	ug/l	98
53) t-1,3-Dichloropropene	9.86	75	272235	20.489	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	306934	20.131	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	189639	19.623	ug/l	97
56) Ethyl methacrylate	9.90	69	268503	19.843	ug/l	98
57) 1,3-Dichloropropane	10.19	76	320624	20.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	308672	67.322	ug/l	96
59) 2-Hexanone	10.24	43	713102	102.900	ug/l	99
60) Dibromochloromethane	10.39	129	213737	21.058	ug/l	100
61) 1,2-Dibromoethane	10.50	107	200225	20.077	ug/l	99
64) Tetrachloroethene	10.11	164	231007	20.904	ug/l	97
65) Chlorobenzene	10.93	112	518051	19.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	208639	20.873	ug/l	99
67) Ethyl Benzene	11.01	91	886792	19.272	ug/l	98
68) m/p-Xylenes	11.13	106	662506	39.080	ug/l	100
69) o-Xylene	11.46	106	334690	19.837	ug/l	96
70) Styrene	11.48	104	517193	19.626	ug/l	100
71) Bromoform	11.64	173	154585	21.113	ug/l #	98
73) Isopropylbenzene	11.77	105	873475	20.610	ug/l	100
74) N-amyl acetate	11.59	43	243248	19.836	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.03	83	258266	22.121	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	217622m	21.340	ug/l	
77) Bromobenzene	12.05	156	228723	19.664	ug/l	100
78) n-propylbenzene	12.11	91	873084	18.806	ug/l	100
79) 2-Chlorotoluene	12.20	91	554214	20.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	728671	19.504	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	70673	21.473	ug/l	100
82) 4-Chlorotoluene	12.30	91	507535	18.881	ug/l	99
83) tert-Butylbenzene	12.52	119	649646	20.840	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	677141	18.752	ug/l	100
85) sec-Butylbenzene	12.70	105	777613	18.444	ug/l	100
86) p-Isopropyltoluene	12.82	119	674641	18.236	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	326325	19.706	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	295978	18.864	ug/l	98
89) n-Butylbenzene	13.15	91	476653	18.649	ug/l	99
90) Hexachloroethane	13.41	117	129054	21.395	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	318715	19.274	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	32132	18.889	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	81883	16.221	ug/l	99
94) Hexachlorobutadiene	14.55	225	133860	21.011	ug/l	99
95) Naphthalene	14.67	128	160141	15.057	ug/l	99
96) 1,2,3-Trichlorobenzene	14.84	180	84555	16.044	ug/l	97

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

