

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057218.D
 Acq On : 12 Aug 2019 16:26
 Operator : JC/SP
 Sample : VN0812WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:13 AM

Quant Time: Aug 13 02:29:45 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	1024353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1511754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1338545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	475778	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	520054	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
35) Dibromofluoromethane	6.99	113	467794	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
50) Toluene-d8	9.56	98	1746385	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.92	95	543974	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.82	85	143217	17.395	ug/l	100
3) Chloromethane	2.00	50	178593	16.326	ug/l	99
4) Vinyl Chloride	2.11	62	177452	17.452	ug/l	98
5) Bromomethane	2.43	94	131464	19.029	ug/l	99
6) Chloroethane	2.55	64	123323	18.909	ug/l	100
7) Trichlorofluoromethane	2.83	101	287712	19.685	ug/l	99
8) Diethyl Ether	3.14	74	110779	19.618	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	173965	19.635	ug/l	100
10) Methyl Iodide	3.63	142	265085	19.799	ug/l	100
11) Tert butyl alcohol	4.24	59	145776	97.240	ug/l	99
12) 1,1-Dichloroethene	3.43	96	169808	19.482	ug/l	99
13) Acrolein	3.31	56	56630	59.712	ug/l	100
14) Allyl chloride	3.91	41	243091	19.191	ug/l	99
15) Acrylonitrile	4.45	53	421277	103.832	ug/l	99
16) Acetone	3.47	43	334262	105.064	ug/l	98
17) Carbon Disulfide	3.72	76	416393	17.957	ug/l	100
18) Methyl Acetate	3.89	43	207525	21.519	ug/l	98
19) Methyl tert-butyl Ether	4.49	73	544891	20.707	ug/l	99
20) Methylene Chloride	4.10	84	199154	18.967	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	182765	19.249	ug/l	100
22) Diisopropyl ether	5.32	45	549292	19.881	ug/l	96
23) Vinyl Acetate	5.26	43	2163012	102.233	ug/l	99
24) 1,1-Dichloroethane	5.25	63	332838	19.596	ug/l	96
25) 2-Butanone	6.20	43	514642	105.875	ug/l	97
26) 2,2-Dichloropropane	6.21	77	258047	20.883	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	218920	20.126	ug/l	99
28) Bromochloromethane	6.58	49	153705	19.674	ug/l	100
29) Tetrahydrofuran	6.60	42	352087	107.525	ug/l	98
30) Chloroform	6.76	83	349485	19.880	ug/l	99
31) Cyclohexane	7.07	56	281123	18.397	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	297024	20.141	ug/l	99
36) 1,1-Dichloropropene	7.20	75	249615	20.054	ug/l	99
37) Ethyl Acetate	6.28	43	216804	21.122	ug/l #	100
38) Carbon Tetrachloride	7.19	117	262367	20.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	288470	19.058	ug/l	96
40) Benzene	7.46	78	782636	19.862	ug/l	99
41) Methacrylonitrile	6.55	41	106292	20.394	ug/l	97
42) 1,2-Dichloroethane	7.54	62	256077	20.377	ug/l	99
43) Isopropyl Acetate	7.56	43	364255	20.803	ug/l	98
44) Trichloroethene	8.27	130	221398	20.055	ug/l	100
45) 1,2-Dichloropropane	8.56	63	206051	20.196	ug/l	97
46) Dibromomethane	8.65	93	134083	20.496	ug/l	97
47) Bromodichloromethane	8.85	83	265036	20.938	ug/l	99
48) Methyl methacrylate	8.64	41	164851	19.966	ug/l	97
49) 1,4-Dioxane	8.64	88	74390	442.368	ug/l	100
51) 4-Methyl-2-Pentanone	9.45	43	1064466	104.455	ug/l	100
52) Toluene	9.63	92	492177	20.123	ug/l	98
53) t-1,3-Dichloropropene	9.86	75	272913	20.638	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	316275	20.844	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	196023	20.380	ug/l	98
56) Ethyl methacrylate	9.90	69	278560	20.685	ug/l	98
57) 1,3-Dichloropropane	10.19	76	322811	20.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	332242	71.741	ug/l	96
59) 2-Hexanone	10.24	43	730060	105.852	ug/l	100
60) Dibromochloromethane	10.39	129	214980	21.282	ug/l	99
61) 1,2-Dibromoethane	10.50	107	205292	20.684	ug/l	99
64) Tetrachloroethene	10.11	164	247749	22.256	ug/l	97
65) Chlorobenzene	10.93	112	528704	19.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	210559	20.912	ug/l	98
67) Ethyl Benzene	11.01	91	912368	19.683	ug/l	98
68) m/p-Xylenes	11.13	106	681700	39.919	ug/l	99
69) o-Xylene	11.46	106	335778	19.757	ug/l	99
70) Styrene	11.48	104	520581	19.610	ug/l	99
71) Bromoform	11.64	173	158476	21.486	ug/l #	97
73) Isopropylbenzene	11.77	105	894128	21.573	ug/l	99
74) N-amyl acetate	11.59	43	249289	20.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	260480	22.812	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	220017m	22.034	ug/l	
77) Bromobenzene	12.05	156	232475	20.329	ug/l	99
78) n-propylbenzene	12.11	91	876038	19.193	ug/l	100
79) 2-Chlorotoluene	12.20	91	560046	20.890	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	737214	20.070	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	70395	21.755	ug/l	99
82) 4-Chlorotoluene	12.30	91	510880	19.331	ug/l	100
83) tert-Butylbenzene	12.52	119	658972	21.570	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	677576	19.085	ug/l	100
85) sec-Butylbenzene	12.70	105	776950	18.743	ug/l	98
86) p-Isopropyltoluene	12.82	119	677860	18.636	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	325559	19.996	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	301931	19.573	ug/l	99
89) n-Butylbenzene	13.15	91	492131	19.584	ug/l	99
90) Hexachloroethane	13.41	117	134128	22.673	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	324106	19.935	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	33584	20.080	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	84246	16.699	ug/l	99
94) Hexachlorobutadiene	14.55	225	140668	22.738	ug/l	98
95) Naphthalene	14.67	128	165350	15.642	ug/l	98
96) 1,2,3-Trichlorobenzene	14.84	180	85061	16.284	ug/l	99

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

