

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060981.D
 Acq On : 15 Apr 2020 23:02
 Operator : JC/MD
 Sample : VN0415WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:26 AM

Quant Time: Apr 16 08:11:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	129817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	221694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	202818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	93416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	97142	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
35) Dibromofluoromethane	7.56	113	72023	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	10.08	98	277982	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.39	95	101968	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	19739	15.715	ug/l	100
3) Chloromethane	2.04	50	36883	15.722	ug/l	99
4) Vinyl Chloride	2.17	62	30326	16.527	ug/l	97
5) Bromomethane	2.55	94	16041	20.251	ug/l	100
6) Chloroethane	2.69	64	19287	18.247	ug/l	99
7) Trichlorofluoromethane	3.00	101	40963	18.122	ug/l	98
8) Diethyl Ether	3.38	74	17750	19.548	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24323	18.571	ug/l	99
10) Methyl Iodide	3.93	142	17767	15.245	ug/l	99
11) Tert butyl alcohol	4.72	59	28892	110.237	ug/l	98
12) 1,1-Dichloroethene	3.72	96	24776	17.628	ug/l	99
13) Acrolein	3.58	56	22325	76.857	ug/l	99
14) Allyl chloride	4.29	41	47846	19.355	ug/l	94
15) Acrylonitrile	4.95	53	82148	106.589	ug/l	99
16) Acetone	3.78	43	66786	105.799	ug/l	98
17) Carbon Disulfide	4.03	76	65979	15.435	ug/l	99
18) Methyl Acetate	4.29	43	40066	22.549	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	94185	19.491	ug/l	95
20) Methylene Chloride	4.52	84	29314	18.877	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	26825	17.908	ug/l	95
22) Diisopropyl ether	5.91	45	110037	21.070	ug/l	99
23) Vinyl Acetate	5.86	43	440596	103.398	ug/l	98
24) 1,1-Dichloroethane	5.82	63	56323	19.783	ug/l	100
25) 2-Butanone	6.80	43	109973	107.661	ug/l	99
26) 2,2-Dichloropropane	6.79	77	41473	18.514	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	32302	18.976	ug/l	98
28) Bromochloromethane	7.17	49	29133	21.387	ug/l	97
29) Tetrahydrofuran	7.18	42	74706	103.366	ug/l	98
30) Chloroform	7.35	83	53957	19.769	ug/l	97
31) Cyclohexane	7.63	56	50797	17.698	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	45331	19.266	ug/l	99
36) 1,1-Dichloropropene	7.77	75	39757	18.520	ug/l	99
37) Ethyl Acetate	6.89	43	47552	20.501	ug/l	99
38) Carbon Tetrachloride	7.75	117	34739	18.056	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	44061	17.272	ug/l	95
40) Benzene	8.02	78	122633	18.924	ug/l	99
41) Methacrylonitrile	7.14	41	19342m	19.539	ug/l	
42) 1,2-Dichloroethane	8.10	62	42883	19.363	ug/l	98
43) Isopropyl Acetate	8.14	43	78444	20.506	ug/l	99
44) Trichloroethene	8.82	130	29617	18.130	ug/l	98
45) 1,2-Dichloropropane	9.10	63	34740	20.316	ug/l	100
46) Dibromomethane	9.19	93	20040	19.385	ug/l	98
47) Bromodichloromethane	9.38	83	41342	19.245	ug/l	99
48) Methyl methacrylate	9.18	41	33125	19.449	ug/l	98
49) 1,4-Dioxane	9.18	88	8935	441.363	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	230012	105.665	ug/l	99
52) Toluene	10.14	92	73161	18.694	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	47300	19.169	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	50794	18.764	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	29831	19.813	ug/l	98
56) Ethyl methacrylate	10.42	69	45526	19.392	ug/l	97
57) 1,3-Dichloropropane	10.70	76	52008	19.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	102500	87.846	ug/l	98
59) 2-Hexanone	10.74	43	163610	104.339	ug/l	100
60) Dibromochloromethane	10.89	129	29906	19.229	ug/l	100
61) 1,2-Dibromoethane	10.99	107	29406	19.423	ug/l	98
64) Tetrachloroethene	10.62	164	27451	17.200	ug/l	98
65) Chlorobenzene	11.42	112	75034	18.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	28274	19.422	ug/l	97
67) Ethyl Benzene	11.50	91	139590	18.669	ug/l	98
68) m/p-Xylenes	11.61	106	100314	36.104	ug/l	97
69) o-Xylene	11.94	106	48819	18.405	ug/l	96
70) Styrene	11.96	104	80300	18.511	ug/l	100
71) Bromoform	12.12	173	21207	18.619	ug/l #	100
73) Isopropylbenzene	12.24	105	132330	18.876	ug/l	100
74) N-amyl acetate	12.06	43	64531	19.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	43821	20.670	ug/l	98
76) 1,2,3-Trichloropropane	12.54	75	37937m	18.821	ug/l	
77) Bromobenzene	12.52	156	31506	18.650	ug/l	97
78) n-propylbenzene	12.58	91	156664	18.915	ug/l	99
79) 2-Chlorotoluene	12.67	91	92382	18.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	109240	18.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	14095	17.959	ug/l	99
82) 4-Chlorotoluene	12.77	91	95093	18.867	ug/l	100
83) tert-Butylbenzene	12.99	119	94474	19.156	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	110325	18.745	ug/l	100
85) sec-Butylbenzene	13.17	105	127131	19.170	ug/l	100
86) p-Isopropyltoluene	13.28	119	111559	18.707	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	56264	18.884	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	55354	18.492	ug/l	98
89) n-Butylbenzene	13.61	91	100778	18.718	ug/l	99
90) Hexachloroethane	13.87	117	17863	20.607	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	55041	19.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8429	18.815	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	32948	18.833	ug/l	100
94) Hexachlorobutadiene	15.00	225	16650	19.414	ug/l	97
95) Naphthalene	15.13	128	98765	18.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33480	19.429	ug/l	98

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

