

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060366.D
 Acq On : 5 Mar 2020 14:58
 Operator : JC/MD
 Sample : VN0305WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:18:16 AM

Quant Time: Mar 06 01:23:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125879	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.57	113	84706	57.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.82%	
50) Toluene-d8	10.08	98	360811	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	12.40	95	133230	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29683	16.844	ug/l	99
3) Chloromethane	2.04	50	54389	17.727	ug/l	98
4) Vinyl Chloride	2.16	62	43939	16.699	ug/l	99
5) Bromomethane	2.55	94	16803	14.141	ug/l	98
6) Chloroethane	2.69	64	24391	17.109	ug/l	98
7) Trichlorofluoromethane	3.00	101	58887	17.516	ug/l	99
8) Diethyl Ether	3.39	74	23214	18.289	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33094	17.394	ug/l	100
10) Methyl Iodide	3.93	142	28863	16.622	ug/l	100
11) Tert butyl alcohol	4.73	59	21141	57.734	ug/l #	94
12) 1,1-Dichloroethene	3.72	96	33534	18.111	ug/l	99
13) Acrolein	3.58	56	31485	92.166	ug/l	99
14) Allyl chloride	4.30	41	61111	17.949	ug/l	97
15) Acrylonitrile	4.94	53	93096	96.455	ug/l	99
16) Acetone	3.78	43	72813	91.431	ug/l	98
17) Carbon Disulfide	4.03	76	84126	16.698	ug/l	98
18) Methyl Acetate	4.29	43	48527	18.260	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	126598	18.883	ug/l	100
20) Methylene Chloride	4.52	84	38441	17.576	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	35913	17.827	ug/l	99
22) Diisopropyl ether	5.92	45	131581	19.079	ug/l	95
23) Vinyl Acetate	5.86	43	525030	95.804	ug/l	100
24) 1,1-Dichloroethane	5.82	63	73512	18.830	ug/l	99
25) 2-Butanone	6.80	43	121753	94.652	ug/l	100
26) 2,2-Dichloropropane	6.80	77	65522	18.436	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44540	17.563	ug/l	99
28) Bromochloromethane	7.17	49	30785	19.206	ug/l	97
29) Tetrahydrofuran	7.18	42	85038	95.070	ug/l	98
30) Chloroform	7.35	83	73121	18.815	ug/l	99
31) Cyclohexane	7.63	56	64853	18.626	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	63909	18.561	ug/l	99
36) 1,1-Dichloropropene	7.77	75	53172	17.550	ug/l	99
37) Ethyl Acetate	6.90	43	55383	19.305	ug/l	99
38) Carbon Tetrachloride	7.75	117	51884	17.589	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	57336	16.051	ug/l	97
40) Benzene	8.02	78	160357	18.185	ug/l	100
41) Methacrylonitrile	7.15	41	24848m	18.759	ug/l	
42) 1,2-Dichloroethane	8.10	62	59123	18.580	ug/l	100
43) Isopropyl Acetate	8.14	43	99066	19.725	ug/l	99
44) Trichloroethene	8.82	130	43138	17.565	ug/l	98
45) 1,2-Dichloropropane	9.10	63	44007	19.087	ug/l	98
46) Dibromomethane	9.19	93	27364	18.292	ug/l	98
47) Bromodichloromethane	9.39	83	56923	18.709	ug/l	100
48) Methyl methacrylate	9.18	41	41481	18.112	ug/l	99
49) 1,4-Dioxane	9.18	88	4759	147.764	ug/l #	88
51) 4-Methyl-2-Pentanone	9.97	43	277322	97.390	ug/l	100
52) Toluene	10.14	92	100348	18.116	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65821	17.655	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	70482	18.245	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41198	18.495	ug/l	97
56) Ethyl methacrylate	10.42	69	59300	18.530	ug/l	97
57) 1,3-Dichloropropane	10.70	76	69322	19.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154354	92.220	ug/l	100
59) 2-Hexanone	10.74	43	195787	93.645	ug/l	100
60) Dibromochloromethane	10.89	129	41954	18.520	ug/l	98
61) 1,2-Dibromoethane	11.00	107	39176	18.041	ug/l	100
64) Tetrachloroethene	10.62	164	44760	18.530	ug/l	99
65) Chlorobenzene	11.43	112	103203	17.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39636	18.136	ug/l	98
67) Ethyl Benzene	11.51	91	189718	17.625	ug/l	99
68) m/p-Xylenes	11.62	106	141773	34.909	ug/l	99
69) o-Xylene	11.94	106	68433	17.670	ug/l	100
70) Styrene	11.96	104	110612	17.372	ug/l	99
71) Bromoform	12.12	173	28537	18.117	ug/l #	93
73) Isopropylbenzene	12.25	105	186890	18.302	ug/l	100
74) N-amyl acetate	12.07	43	81880	18.350	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55346	19.939	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	49110m	16.247	ug/l	
77) Bromobenzene	12.52	156	45175	18.047	ug/l	99
78) n-propylbenzene	12.59	91	213657	17.850	ug/l	100
79) 2-Chlorotoluene	12.67	91	126342	17.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	154276	17.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20717	18.919	ug/l #	85
82) 4-Chlorotoluene	12.77	91	131440	17.731	ug/l	98
83) tert-Butylbenzene	12.99	119	130576	17.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	152640	17.589	ug/l	99
85) sec-Butylbenzene	13.17	105	168665	16.920	ug/l	100
86) p-Isopropyltoluene	13.29	119	152878	16.570	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	79550	18.375	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78985	18.250	ug/l	98
89) n-Butylbenzene	13.61	91	134831	15.920	ug/l	99
90) Hexachloroethane	13.87	117	20693	15.495	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77650	17.704	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11469	18.246	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47635	17.150	ug/l	99
94) Hexachlorobutadiene	15.01	225	20786	15.834	ug/l	98
95) Naphthalene	15.13	128	148471	17.912	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45832	17.343	ug/l	99

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

