

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060843.D
 Acq On : 6 Apr 2020 12:11
 Operator : JC/MD
 Sample : VN0406WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 3:21:46 PM

Quant Time: Apr 07 07:25:01 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	193328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130202	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.56	113	96725	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.08	98	379934	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	136669	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31606	16.896	ug/l	98
3) Chloromethane	2.04	50	55604	15.916	ug/l	99
4) Vinyl Chloride	2.17	62	44176	16.166	ug/l	99
5) Bromomethane	2.55	94	23035	19.527	ug/l	99
6) Chloroethane	2.69	64	28310	17.985	ug/l	100
7) Trichlorofluoromethane	3.00	101	60737	18.043	ug/l	99
8) Diethyl Ether	3.38	74	26432	19.546	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37541	19.247	ug/l	99
10) Methyl Iodide	3.93	142	31441	18.115	ug/l	99
11) Tert butyl alcohol	4.72	59	34547	88.511	ug/l	98
12) 1,1-Dichloroethene	3.72	96	36591	17.481	ug/l	97
13) Acrolein	3.58	56	31174	72.065	ug/l	100
14) Allyl chloride	4.29	41	69273	18.817	ug/l	96
15) Acrylonitrile	4.94	53	110524	96.296	ug/l	100
16) Acetone	3.78	43	97003	103.185	ug/l	98
17) Carbon Disulfide	4.03	76	103989	16.335	ug/l	99
18) Methyl Acetate	4.28	43	53990	20.404	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	138774	19.284	ug/l	97
20) Methylene Chloride	4.52	84	43428	18.779	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	40131	17.989	ug/l	94
22) Diisopropyl ether	5.91	45	155563	20.001	ug/l	98
23) Vinyl Acetate	5.86	43	626916	98.791	ug/l	99
24) 1,1-Dichloroethane	5.82	63	80652	19.022	ug/l	100
25) 2-Butanone	6.80	43	145865	95.887	ug/l	100
26) 2,2-Dichloropropane	6.79	77	68025	20.391	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47422	18.706	ug/l	98
28) Bromochloromethane	7.17	49	40719	20.073	ug/l	99
29) Tetrahydrofuran	7.18	42	100119	93.019	ug/l	98
30) Chloroform	7.34	83	76407	18.798	ug/l	98
31) Cyclohexane	7.63	56	75348	17.627	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	64837	18.503	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57953	19.043	ug/l	99
37) Ethyl Acetate	6.89	43	62782	19.093	ug/l	98
38) Carbon Tetrachloride	7.75	117	49790	18.255	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68659	18.985	ug/l	96
40) Benzene	8.02	78	174421	18.986	ug/l	98
41) Methacrylonitrile	7.15	41	28992m	20.659	ug/l	
42) 1,2-Dichloroethane	8.10	62	62403	19.876	ug/l	99
43) Isopropyl Acetate	8.14	43	107110	19.751	ug/l	99
44) Trichloroethene	8.82	130	44873	19.376	ug/l	97
45) 1,2-Dichloropropane	9.10	63	48748	20.110	ug/l	98
46) Dibromomethane	9.19	93	29488	20.122	ug/l	100
47) Bromodichloromethane	9.38	83	58731	19.286	ug/l	98
48) Methyl methacrylate	9.18	41	46508	19.262	ug/l	98
49) 1,4-Dioxane	9.18	88	11435	398.451	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	307280	99.575	ug/l	100
52) Toluene	10.14	92	106691	19.230	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	69934	19.992	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	75313	19.625	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	43077	20.182	ug/l	100
56) Ethyl methacrylate	10.42	69	65138	19.572	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74474	20.107	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	144799	87.539	ug/l	99
59) 2-Hexanone	10.74	43	217746	97.954	ug/l	99
60) Dibromochloromethane	10.89	129	43181	19.585	ug/l	100
61) 1,2-Dibromoethane	10.99	107	42231	19.676	ug/l	99
64) Tetrachloroethene	10.62	164	43276	19.195	ug/l	98
65) Chlorobenzene	11.43	112	109210	19.228	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40061	19.481	ug/l	98
67) Ethyl Benzene	11.50	91	204955	19.404	ug/l	99
68) m/p-Xylenes	11.62	106	151116	38.501	ug/l	100
69) o-Xylene	11.94	106	72715	19.407	ug/l	99
70) Styrene	11.96	104	114876	18.746	ug/l	100
71) Bromoform	12.12	173	29398	18.303	ug/l #	98
73) Isopropylbenzene	12.24	105	194113	19.386	ug/l	100
74) N-amyl acetate	12.06	43	88948	19.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59377	19.609	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54581m	18.958	ug/l	
77) Bromobenzene	12.52	156	46144	19.124	ug/l	99
78) n-propylbenzene	12.59	91	227979	19.271	ug/l	99
79) 2-Chlorotoluene	12.67	91	134956	19.093	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	164437	19.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20904	18.647	ug/l	98
82) 4-Chlorotoluene	12.77	91	137840	19.147	ug/l	100
83) tert-Butylbenzene	12.99	119	139634	19.823	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	163950	19.502	ug/l	99
85) sec-Butylbenzene	13.17	105	188919	19.944	ug/l	99
86) p-Isopropyltoluene	13.28	119	168919	19.831	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82091	19.290	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	82007	19.181	ug/l	99
89) n-Butylbenzene	13.61	91	153025	19.898	ug/l	100
90) Hexachloroethane	13.87	117	25145	20.309	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	81014	19.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11103	17.331	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49060	19.633	ug/l	99
94) Hexachlorobutadiene	15.01	225	26266	21.442	ug/l	99
95) Naphthalene	15.13	128	140778	18.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47779	19.412	ug/l	99

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

