

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060304.D
 Acq On : 2 Mar 2020 12:25
 Operator : JC/MD
 Sample : VN0302WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:12 AM

Quant Time: Mar 03 06:05:53 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	214008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	320056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135792	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.56	113	91062	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
50) Toluene-d8	10.08	98	398837	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	147333	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35746	18.218	ug/l	97
3) Chloromethane	2.04	50	61395	17.972	ug/l	98
4) Vinyl Chloride	2.16	62	51305	17.512	ug/l	99
5) Bromomethane	2.55	94	19643	14.973	ug/l	95
6) Chloroethane	2.69	64	28201	17.766	ug/l	97
7) Trichlorofluoromethane	3.00	101	66561	17.782	ug/l	96
8) Diethyl Ether	3.38	74	25673	18.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37434	17.671	ug/l	96
10) Methyl Iodide	3.93	142	36050	18.646	ug/l	99
11) Tert butyl alcohol	4.73	59	39626	97.192	ug/l	99
12) 1,1-Dichloroethene	3.72	96	39086	18.963	ug/l	95
13) Acrolein	3.58	56	39081	102.749	ug/l	99
14) Allyl chloride	4.29	41	68493	18.068	ug/l	95
15) Acrylonitrile	4.95	53	105811	98.461	ug/l	99
16) Acetone	3.78	43	81541	91.961	ug/l	99
17) Carbon Disulfide	4.03	76	101398	18.135	ug/l	100
18) Methyl Acetate	4.29	43	54566	18.440	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	137443	18.412	ug/l	97
20) Methylene Chloride	4.52	84	43197	17.739	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	41179	18.372	ug/l	98
22) Diisopropyl ether	5.92	45	145108	18.897	ug/l	98
23) Vinyl Acetate	5.86	43	589134	96.551	ug/l	99
24) 1,1-Dichloroethane	5.82	63	81799	18.819	ug/l	99
25) 2-Butanone	6.80	43	139143	97.153	ug/l	100
26) 2,2-Dichloropropane	6.79	77	73863	18.666	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	48177	17.062	ug/l	98
28) Bromochloromethane	7.17	49	32508	18.215	ug/l	98
29) Tetrahydrofuran	7.18	42	95212	95.601	ug/l	99
30) Chloroform	7.35	83	79249	18.315	ug/l	97
31) Cyclohexane	7.63	56	73459	18.972	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	70314	18.341	ug/l	99
36) 1,1-Dichloropropene	7.77	75	58836	17.708	ug/l	100
37) Ethyl Acetate	6.90	43	62400	19.834	ug/l	98
38) Carbon Tetrachloride	7.75	117	58595	18.113	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68596	17.510	ug/l	98
40) Benzene	8.02	78	176311	18.231	ug/l	100
41) Methacrylonitrile	7.14	41	27942	19.235	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	64987	18.622	ug/l	100
43) Isopropyl Acetate	8.14	43	104451	18.964	ug/l	99
44) Trichloroethene	8.82	130	47443	17.615	ug/l	98
45) 1,2-Dichloropropane	9.10	63	47869	18.932	ug/l	97
46) Dibromomethane	9.19	93	29392	17.915	ug/l	99
47) Bromodichloromethane	9.39	83	61643	18.474	ug/l	98
48) Methyl methacrylate	9.18	41	45491	18.112	ug/l	100
49) 1,4-Dioxane	9.18	88	13083	370.410	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	304424	97.483	ug/l	99
52) Toluene	10.14	92	107874	17.758	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71991	17.608	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	76535	18.065	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43938	17.986	ug/l	99
56) Ethyl methacrylate	10.42	69	65209	18.580	ug/l	99
57) 1,3-Dichloropropane	10.70	76	75066	18.842	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	176081	95.927	ug/l	99
59) 2-Hexanone	10.74	43	220363	96.109	ug/l	100
60) Dibromochloromethane	10.89	129	45144	18.171	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43009	18.060	ug/l	100
64) Tetrachloroethene	10.62	164	50315	19.092	ug/l	99
65) Chlorobenzene	11.43	112	113959	17.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	44459	18.605	ug/l	98
67) Ethyl Benzene	11.50	91	212962	18.095	ug/l	100
68) m/p-Xylenes	11.62	106	156171	35.170	ug/l	99
69) o-Xylene	11.94	106	76947	18.172	ug/l	97
70) Styrene	11.96	104	120717	17.340	ug/l	99
71) Bromoform	12.12	173	31050	18.029	ug/l #	97
73) Isopropylbenzene	12.25	105	206081	18.183	ug/l	100
74) N-amyl acetate	12.07	43	90354	18.244	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	59009	19.154	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	57731m	17.208	ug/l	
77) Bromobenzene	12.52	156	49686	17.884	ug/l	99
78) n-propylbenzene	12.59	91	240613	18.111	ug/l	100
79) 2-Chlorotoluene	12.67	91	140826	18.033	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	174219	18.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22454	18.475	ug/l #	87
82) 4-Chlorotoluene	12.77	91	146384	17.792	ug/l	98
83) tert-Butylbenzene	12.99	119	150395	18.203	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	173266	17.989	ug/l	99
85) sec-Butylbenzene	13.17	105	200289	18.103	ug/l	99
86) p-Isopropyltoluene	13.29	119	182792	17.851	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	89249	18.576	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87903	18.300	ug/l	99
89) n-Butylbenzene	13.61	91	165061	17.560	ug/l	99
90) Hexachloroethane	13.87	117	24402	16.463	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	86226	17.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13165	18.870	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56770	18.409	ug/l	99
94) Hexachlorobutadiene	15.01	225	27831	19.221	ug/l	98
95) Naphthalene	15.13	128	170826	18.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	55700	19.007	ug/l	99

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

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