

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\
 Data File : VN060200.D
 Acq On : 24 Feb 2020 11:30
 Operator : JC/MD
 Sample : VN0224WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 9:43:22 AM

Quant Time: Feb 24 16:13:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	174807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	277922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108874	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.56	113	85827	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.08	98	324930	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	118190	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	31465	18.008	ug/l	99
3) Chloromethane	2.04	50	36217	17.417	ug/l	99
4) Vinyl Chloride	2.17	62	42009	17.724	ug/l	98
5) Bromomethane	2.55	94	26486	18.225	ug/l	99
6) Chloroethane	2.69	64	22088	18.425	ug/l	97
7) Trichlorofluoromethane	3.00	101	56541	18.503	ug/l	99
8) Diethyl Ether	3.38	74	20156	19.815	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32608	19.220	ug/l	98
10) Methyl Iodide	3.93	142	41927	19.963	ug/l	100
11) Tert butyl alcohol	4.72	59	31206	98.036	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31148	18.846	ug/l	94
13) Acrolein	3.58	56	29294	93.106	ug/l	97
14) Allyl chloride	4.30	41	50148	20.615	ug/l	89
15) Acrylonitrile	4.94	53	80206	103.178	ug/l	98
16) Acetone	3.78	43	74653	80.460	ug/l	100
17) Carbon Disulfide	4.03	76	84317	16.926	ug/l	98
18) Methyl Acetate	4.29	43	37324	21.414	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	109434	19.689	ug/l	98
20) Methylene Chloride	4.52	84	35699	19.285	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	33444	18.563	ug/l	98
22) Diisopropyl ether	5.91	45	105594	19.807	ug/l	96
23) Vinyl Acetate	5.86	43	439216	98.105	ug/l	99
24) 1,1-Dichloroethane	5.82	63	62622	19.390	ug/l	99
25) 2-Butanone	6.80	43	105669	90.554	ug/l	98
26) 2,2-Dichloropropane	6.79	77	57367	18.701	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	39149	18.568	ug/l	98
28) Bromochloromethane	7.17	49	26377	20.775	ug/l	100
29) Tetrahydrofuran	7.18	42	70770	98.858	ug/l	98
30) Chloroform	7.35	83	66475	19.649	ug/l	98
31) Cyclohexane	7.63	56	56543	18.795	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	58390	18.887	ug/l	99
36) 1,1-Dichloropropene	7.77	75	47650	18.510	ug/l	98
37) Ethyl Acetate	6.89	43	45778	19.677	ug/l	99
38) Carbon Tetrachloride	7.75	117	51458	18.406	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	58010	18.154	ug/l	99
40) Benzene	8.02	78	142881	18.711	ug/l	99
41) Methacrylonitrile	7.15	41	18056m	18.506	ug/l	
42) 1,2-Dichloroethane	8.10	62	53693	20.062	ug/l	99
43) Isopropyl Acetate	8.14	43	78507	19.740	ug/l	99
44) Trichloroethene	8.82	130	39018	18.453	ug/l	99
45) 1,2-Dichloropropane	9.10	63	37123	19.637	ug/l	99
46) Dibromomethane	9.19	93	25743	19.269	ug/l	99
47) Bromodichloromethane	9.39	83	52123	19.190	ug/l	97
48) Methyl methacrylate	9.18	41	33475	18.760	ug/l	100
49) 1,4-Dioxane	9.18	88	12090	396.561	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	223965	97.294	ug/l	99
52) Toluene	10.14	92	91867	18.761	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	58535	19.092	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	62294	19.296	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	37055	19.397	ug/l	98
56) Ethyl methacrylate	10.42	69	51203	18.947	ug/l	99
57) 1,3-Dichloropropane	10.70	76	60597	19.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	119894	95.231	ug/l	100
59) 2-Hexanone	10.74	43	159058	89.449	ug/l	100
60) Dibromochloromethane	10.89	129	41847	19.089	ug/l	100
61) 1,2-Dibromoethane	10.99	107	38642	19.296	ug/l	99
64) Tetrachloroethene	10.62	164	37393	19.155	ug/l	98
65) Chlorobenzene	11.43	112	98705	18.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	38695	19.551	ug/l	98
67) Ethyl Benzene	11.50	91	177222	18.782	ug/l	98
68) m/p-Xylenes	11.62	106	133374	37.661	ug/l	100
69) o-Xylene	11.94	106	64069	18.789	ug/l	99
70) Styrene	11.96	104	100750	18.323	ug/l	100
71) Bromoform	12.12	173	29230	18.362	ug/l #	99
73) Isopropylbenzene	12.25	105	173990	19.008	ug/l	100
74) N-amyl acetate	12.07	43	62803	19.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	51852	19.681	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	48539m	20.698	ug/l	
77) Bromobenzene	12.52	156	43970	19.357	ug/l	99
78) n-propylbenzene	12.59	91	195708	18.766	ug/l	99
79) 2-Chlorotoluene	12.67	91	115840	18.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	145580	19.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	17706	18.486	ug/l	97
82) 4-Chlorotoluene	12.77	91	120292	19.128	ug/l	100
83) tert-Butylbenzene	12.99	119	125186	18.594	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	144584	19.246	ug/l	99
85) sec-Butylbenzene	13.17	105	168714	18.922	ug/l	99
86) p-Isopropyltoluene	13.29	119	154258	19.095	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	76570	19.043	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77443	19.264	ug/l	99
89) n-Butylbenzene	13.61	91	133750	18.824	ug/l	99
90) Hexachloroethane	13.87	117	27890	18.480	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	76157	19.353	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10756	18.718	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	44630	19.302	ug/l	98
94) Hexachlorobutadiene	15.01	225	25761	19.032	ug/l	99
95) Naphthalene	15.13	128	115875	18.553	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44209	19.200	ug/l	99

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

