

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059839.D
 Acq On : 24 Jan 2020 12:47
 Operator : JC/MD
 Sample : VN0124WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:15:40 AM

Quant Time: Jan 25 00:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124128	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
35) Dibromofluoromethane	7.57	113	105499	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
50) Toluene-d8	10.08	98	395417	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.40	95	140278	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47936	19.660	ug/l	97
3) Chloromethane	2.04	50	45067	19.341	ug/l	99
4) Vinyl Chloride	2.17	62	57905	21.720	ug/l	99
5) Bromomethane	2.54	94	34260	21.057	ug/l	96
6) Chloroethane	2.68	64	27069	21.461	ug/l	98
7) Trichlorofluoromethane	3.00	101	68462	21.383	ug/l	99
8) Diethyl Ether	3.39	74	24162	21.504	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	39911	22.397	ug/l	93
10) Methyl Iodide	3.93	142	59096	20.517	ug/l	94
11) Tert butyl alcohol	4.73	59	40669	106.887	ug/l	99
12) 1,1-Dichloroethene	3.72	96	38045	20.432	ug/l	90
13) Acrolein	3.58	56	22953	85.220	ug/l	98
14) Allyl chloride	4.30	41	52204	20.800	ug/l #	86
15) Acrylonitrile	4.95	53	93158	107.335	ug/l	99
16) Acetone	3.78	43	101831	127.179	ug/l	96
17) Carbon Disulfide	4.03	76	98072	18.489	ug/l	99
18) Methyl Acetate	4.29	43	57299	21.704	ug/l #	90
19) Methyl tert-butyl Ether	5.01	73	133312	21.959	ug/l	92
20) Methylene Chloride	4.52	84	43905	20.713	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	40794	20.610	ug/l	86
22) Diisopropyl ether	5.92	45	120017	21.101	ug/l #	94
23) Vinyl Acetate	5.86	43	449763	102.135	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	73939	21.276	ug/l	97
25) 2-Butanone	6.80	43	129814	101.424	ug/l	93
26) 2,2-Dichloropropane	6.80	77	71278	21.334	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	48563	21.332	ug/l	87
28) Bromochloromethane	7.17	49	28530	20.540	ug/l #	72
29) Tetrahydrofuran	7.18	42	80445	101.584	ug/l #	86
30) Chloroform	7.35	83	78709	21.859	ug/l	95
31) Cyclohexane	7.63	56	65760	19.665	ug/l	87
32) 1,1,1-Trichloroethane	7.55	97	71986	21.622	ug/l	95
36) 1,1-Dichloropropene	7.77	75	56214	20.362	ug/l	96
37) Ethyl Acetate	6.90	43	52367	20.224	ug/l	96
38) Carbon Tetrachloride	7.75	117	64568	21.500	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	68687	20.178	ug/l	90
40) Benzene	8.02	78	170725	20.735	ug/l	100
41) Methacrylonitrile	7.15	41	22108m	17.334	ug/l	
42) 1,2-Dichloroethane	8.10	62	60516	21.678	ug/l	96
43) Isopropyl Acetate	8.14	43	88425	19.854	ug/l #	95
44) Trichloroethene	8.82	130	49792	22.153	ug/l	91
45) 1,2-Dichloropropane	9.10	63	43160	21.184	ug/l	100
46) Dibromomethane	9.19	93	31351	21.814	ug/l	90
47) Bromodichloromethane	9.39	83	62663	21.636	ug/l	97
48) Methyl methacrylate	9.18	41	38870	19.512	ug/l	89
49) 1,4-Dioxane	9.18	88	16475	451.751	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	259370	100.742	ug/l	95
52) Toluene	10.14	92	109832	21.119	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	66974	20.710	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	71935	21.141	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	44114	21.417	ug/l	97
56) Ethyl methacrylate	10.42	69	63222	20.087	ug/l	91
57) 1,3-Dichloropropane	10.70	76	71110	21.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	119507	126.064	ug/l	90
59) 2-Hexanone	10.74	43	192490	101.486	ug/l	94
60) Dibromochloromethane	10.89	129	50589	21.568	ug/l	98
61) 1,2-Dibromoethane	10.99	107	46512	21.544	ug/l	98
64) Tetrachloroethene	10.62	164	53420	22.911	ug/l	94
65) Chlorobenzene	11.43	112	120011	21.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	47730	21.967	ug/l	98
67) Ethyl Benzene	11.50	91	212387	20.806	ug/l	97
68) m/p-Xylenes	11.62	106	163149	42.312	ug/l	93
69) o-Xylene	11.94	106	78994	20.926	ug/l	96
70) Styrene	11.96	104	127567	20.195	ug/l	97
71) Bromoform	12.12	173	37998	21.833	ug/l #	100
73) Isopropylbenzene	12.25	105	208794	21.347	ug/l	98
74) N-amyl acetate	12.07	43	73917	19.476	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	60547	21.353	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55082m	24.542	ug/l	
77) Bromobenzene	12.52	156	54629	22.056	ug/l	80
78) n-propylbenzene	12.59	91	237757	21.658	ug/l	97
79) 2-Chlorotoluene	12.67	91	140350	21.490	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	178064	21.647	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21302	20.383	ug/l	93
82) 4-Chlorotoluene	12.77	91	141619	21.620	ug/l	97
83) tert-Butylbenzene	12.99	119	154147	21.667	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	177298	21.787	ug/l	99
85) sec-Butylbenzene	13.17	105	201831	21.593	ug/l	100
86) p-Isopropyltoluene	13.28	119	184144	21.291	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	93093	21.637	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	91768	21.380	ug/l	97
89) n-Butylbenzene	13.61	91	153186	20.773	ug/l	98
90) Hexachloroethane	13.87	117	33771	20.870	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	92444	21.734	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12880	19.906	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52376	20.493	ug/l	99
94) Hexachlorobutadiene	15.01	225	29715	21.098	ug/l	99
95) Naphthalene	15.13	128	139575	19.199	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50927	20.471	ug/l	98

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

