

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059903.D
 Acq On : 29 Jan 2020 11:28
 Operator : JC/MD
 Sample : VN0129WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0129WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:22:09 AM

Quant Time: Jan 30 00:20:13 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	202382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109631	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	7.56	113	91359	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.08	98	349036	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	123689	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41720	17.141	ug/l	97
3) Chloromethane	2.04	50	39086	16.869	ug/l	97
4) Vinyl Chloride	2.17	62	51054	19.258	ug/l	97
5) Bromomethane	2.55	94	30406	18.794	ug/l	97
6) Chloroethane	2.69	64	23965	19.107	ug/l	100
7) Trichlorofluoromethane	3.00	101	61719	19.386	ug/l	97
8) Diethyl Ether	3.39	74	21647	19.374	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36396	20.540	ug/l	92
10) Methyl Iodide	3.93	142	52317	18.266	ug/l	95
11) Tert butyl alcohol	4.73	59	32776	86.628	ug/l	100
12) 1,1-Dichloroethene	3.72	96	34557	18.664	ug/l	88
13) Acrolein	3.58	56	15619	58.317	ug/l	97
14) Allyl chloride	4.29	41	49897	19.993	ug/l #	90
15) Acrylonitrile	4.95	53	79837	92.505	ug/l	99
16) Acetone	3.78	43	93783	117.018	ug/l	94
17) Carbon Disulfide	4.03	76	84734	16.065	ug/l	99
18) Methyl Acetate	4.29	43	48906	18.629	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	120373	19.939	ug/l	92
20) Methylene Chloride	4.52	84	39215	18.470	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	36827	18.711	ug/l	86
22) Diisopropyl ether	5.91	45	107350	18.981	ug/l #	93
23) Vinyl Acetate	5.86	43	391589	89.426	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	67307	19.477	ug/l	97
25) 2-Butanone	6.80	43	114841	90.231	ug/l	90
26) 2,2-Dichloropropane	6.80	77	64087	19.290	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	44863	19.818	ug/l	88
28) Bromochloromethane	7.17	49	23845	17.264	ug/l #	69
29) Tetrahydrofuran	7.18	42	67152	85.275	ug/l #	85
30) Chloroform	7.35	83	71751	20.039	ug/l	97
31) Cyclohexane	7.63	56	57104	17.172	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	65371	19.745	ug/l	96
36) 1,1-Dichloropropene	7.77	75	51041	19.031	ug/l	96
37) Ethyl Acetate	6.90	43	44528	17.702	ug/l	96
38) Carbon Tetrachloride	7.75	117	58133	19.926	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	60662	18.344	ug/l	90
40) Benzene	8.02	78	153808	19.229	ug/l	100
41) Methacrylonitrile	7.15	41	19777m	15.962	ug/l	
42) 1,2-Dichloroethane	8.10	62	55668	20.527	ug/l	97
43) Isopropyl Acetate	8.14	43	78183	18.070	ug/l #	94
44) Trichloroethene	8.82	130	46337	21.221	ug/l	94
45) 1,2-Dichloropropane	9.10	63	39444	19.928	ug/l	98
46) Dibromomethane	9.19	93	28223	20.214	ug/l	91
47) Bromodichloromethane	9.39	83	56637	20.130	ug/l	99
48) Methyl methacrylate	9.18	41	33681	17.403	ug/l	89
49) 1,4-Dioxane	9.18	88	13541	382.201	ug/l #	85
51) 4-Methyl-2-Pentanone	9.97	43	223212	89.244	ug/l	94
52) Toluene	10.14	92	99507	19.695	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	61487	19.572	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65774	19.898	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	41051	20.515	ug/l	95
56) Ethyl methacrylate	10.42	69	55245	18.068	ug/l	93
57) 1,3-Dichloropropane	10.70	76	64644	20.348	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	85239	92.556	ug/l	91
59) 2-Hexanone	10.74	43	165965	90.071	ug/l	94
60) Dibromochloromethane	10.89	129	46842	20.557	ug/l	99
61) 1,2-Dibromoethane	10.99	107	42026	20.038	ug/l	97
64) Tetrachloroethene	10.62	164	51422	22.736	ug/l	95
65) Chlorobenzene	11.43	112	111142	20.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43163	20.480	ug/l	99
67) Ethyl Benzene	11.51	91	196849	19.881	ug/l	98
68) m/p-Xylenes	11.62	106	148243	39.635	ug/l	94
69) o-Xylene	11.94	106	71850	19.622	ug/l	94
70) Styrene	11.96	104	114548	18.695	ug/l	97
71) Bromoform	12.12	173	33602	19.904	ug/l #	100
73) Isopropylbenzene	12.25	105	198637	20.842	ug/l	99
74) N-amyl acetate	12.07	43	62984	17.031	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	52712	19.078	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49936m	22.834	ug/l	
77) Bromobenzene	12.52	156	50253	20.821	ug/l	80
78) n-propylbenzene	12.59	91	215706	20.165	ug/l	97
79) 2-Chlorotoluene	12.67	91	127786	20.080	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	163783	20.434	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18722	18.384	ug/l	93
82) 4-Chlorotoluene	12.77	91	129142	20.232	ug/l	95
83) tert-Butylbenzene	12.99	119	141560	20.421	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	162370	20.476	ug/l	99
85) sec-Butylbenzene	13.17	105	184401	20.246	ug/l	99
86) p-Isopropyltoluene	13.28	119	170464	20.227	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	86509	20.635	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	84879	20.295	ug/l	98
89) n-Butylbenzene	13.61	91	141541	19.698	ug/l	98
90) Hexachloroethane	13.87	117	30018	19.038	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	85137	20.541	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11288	17.685	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47932	19.246	ug/l	97
94) Hexachlorobutadiene	15.01	225	27151	19.784	ug/l	98
95) Naphthalene	15.13	128	125861	17.768	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47431	19.566	ug/l	98

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

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