

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059870.D
 Acq On : 27 Jan 2020 14:15
 Operator : JC/MD
 Sample : VN0127WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 9:24:41 AM

Quant Time: Jan 27 16:03:26 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	220726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	340304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	310865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128277	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.56	113	108549	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	10.08	98	406025	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	147808	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	50752	19.180	ug/l	99
3) Chloromethane	2.04	50	47617	18.843	ug/l	97
4) Vinyl Chloride	2.17	62	61448	21.252	ug/l	98
5) Bromomethane	2.54	94	37139	21.048	ug/l	99
6) Chloroethane	2.68	64	28461	20.806	ug/l	100
7) Trichlorofluoromethane	3.00	101	74457	21.443	ug/l	99
8) Diethyl Ether	3.38	74	26718	21.925	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	41961	21.712	ug/l	92
10) Methyl Iodide	3.93	142	61172	19.582	ug/l	96
11) Tert butyl alcohol	4.73	59	41569	100.737	ug/l	98
12) 1,1-Dichloroethene	3.72	96	41305	20.454	ug/l	88
13) Acrolein	3.58	56	24352	83.367	ug/l	92
14) Allyl chloride	4.29	41	55153	20.263	ug/l #	84
15) Acrylonitrile	4.94	53	98426	104.565	ug/l	99
16) Acetone	3.78	43	93803	106.451	ug/l	98
17) Carbon Disulfide	4.03	76	102841	17.877	ug/l	99
18) Methyl Acetate	4.29	43	61050	21.322	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	141459	21.485	ug/l	97
20) Methylene Chloride	4.52	84	47671	20.738	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	43556	20.291	ug/l	85
22) Diisopropyl ether	5.91	45	127265	20.632	ug/l #	92
23) Vinyl Acetate	5.86	43	491037	102.817	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	78138	20.732	ug/l	98
25) 2-Butanone	6.80	43	132941	95.771	ug/l	92
26) 2,2-Dichloropropane	6.80	77	74323	20.512	ug/l	81
27) cis-1,2-Dichloroethene	6.80	96	52144	21.120	ug/l	88
28) Bromochloromethane	7.17	49	28265	18.763	ug/l #	71
29) Tetrahydrofuran	7.18	42	84755	98.684	ug/l #	86
30) Chloroform	7.34	83	82420	21.105	ug/l	100
31) Cyclohexane	7.63	56	67994	18.748	ug/l #	87
32) 1,1,1-Trichloroethane	7.54	97	75961	21.037	ug/l	96
36) 1,1-Dichloropropene	7.77	75	59948	20.229	ug/l	96
37) Ethyl Acetate	6.90	43	56316	20.261	ug/l	97
38) Carbon Tetrachloride	7.75	117	68238	21.168	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71235	19.495	ug/l	92
40) Benzene	8.02	78	178699	20.219	ug/l	99
41) Methacrylonitrile	7.14	41	25246m	18.440	ug/l	
42) 1,2-Dichloroethane	8.10	62	63643	21.238	ug/l	96
43) Isopropyl Acetate	8.14	43	96050	20.091	ug/l #	95
44) Trichloroethene	8.82	130	52180	21.627	ug/l	94
45) 1,2-Dichloropropane	9.10	63	45463	20.788	ug/l	99
46) Dibromomethane	9.19	93	32508	21.072	ug/l	91
47) Bromodichloromethane	9.38	83	66480	21.384	ug/l	98
48) Methyl methacrylate	9.18	41	40721	19.042	ug/l	87
49) 1,4-Dioxane	9.18	88	16984	433.846	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	276294	99.974	ug/l	96
52) Toluene	10.14	92	117340	21.019	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	72161	20.788	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	77450	21.205	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	46902	21.213	ug/l	95
56) Ethyl methacrylate	10.42	69	67844	20.081	ug/l	91
57) 1,3-Dichloropropane	10.70	76	74335	21.176	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	113297	111.337	ug/l #	89
59) 2-Hexanone	10.74	43	199640	98.055	ug/l	95
60) Dibromochloromethane	10.89	129	55198	21.923	ug/l	99
61) 1,2-Dibromoethane	10.99	107	49227	21.242	ug/l	98
64) Tetrachloroethene	10.62	164	55098	21.747	ug/l	95
65) Chlorobenzene	11.43	112	127359	20.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	51463	21.798	ug/l	98
67) Ethyl Benzene	11.50	91	228942	20.640	ug/l	97
68) m/p-Xylenes	11.62	106	172596	41.194	ug/l	94
69) o-Xylene	11.94	106	84899	20.697	ug/l	97
70) Styrene	11.96	104	141642	20.636	ug/l #	90
71) Bromoform	12.12	173	41455	21.920	ug/l #	99
73) Isopropylbenzene	12.24	105	231096	18.037	ug/l	100
74) N-amyl acetate	12.06	43	82664	16.627	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	65326	17.587	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	64346m	21.886	ug/l	
77) Bromobenzene	12.52	156	495495	152.710	ug/l #	1
78) n-propylbenzene	12.59	91	259965	18.077	ug/l	97
79) 2-Chlorotoluene	12.67	91	152244	17.795	ug/l	85
80) 1,3,5-Trimethylbenzene	12.73	105	199727	18.535	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23584	17.226	ug/l	92
82) 4-Chlorotoluene	12.77	91	155504	18.122	ug/l	91
83) tert-Butylbenzene	12.99	119	169077	18.142	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	193387	18.141	ug/l	99
85) sec-Butylbenzene	13.17	105	221805	18.115	ug/l	99
86) p-Isopropyltoluene	13.28	119	201211	17.760	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	103727	18.404	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	102962	18.312	ug/l	97
89) n-Butylbenzene	13.61	91	175125	18.129	ug/l	98
90) Hexachloroethane	13.87	117	37061	17.484	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	101662	18.245	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	16073	18.860	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	66166	19.762	ug/l	98
94) Hexachlorobutadiene	15.01	225	33324	18.062	ug/l	99
95) Naphthalene	15.13	128	350779	36.834	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	63530	19.494	ug/l	99

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

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