

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059724.D
 Acq On : 16 Jan 2020 11:49
 Operator : JC/MD
 Sample : VN0116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 1:52:55 PM

Quant Time: Jan 17 07:03:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	217453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	327317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	114429	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.56	113	98519	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.08	98	373828	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	130737	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45237	17.303	ug/l	97
3) Chloromethane	2.04	50	41730	16.762	ug/l	99
4) Vinyl Chloride	2.17	62	50345	17.674	ug/l	99
5) Bromomethane	2.54	94	30753	17.691	ug/l	100
6) Chloroethane	2.68	64	23582	17.499	ug/l	98
7) Trichlorofluoromethane	3.00	101	60249	17.612	ug/l	98
8) Diethyl Ether	3.38	74	20861	17.377	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34398	18.067	ug/l	91
10) Methyl Iodide	3.93	142	52110	16.933	ug/l	95
11) Tert butyl alcohol	4.73	59	32178	79.153	ug/l #	93
12) 1,1-Dichloroethene	3.72	96	33278	16.727	ug/l	87
13) Acrolein	3.58	56	13961	48.514	ug/l	99
14) Allyl chloride	4.29	41	50745	18.924	ug/l #	95
15) Acrylonitrile	4.94	53	75995	81.950	ug/l	99
16) Acetone	3.78	43	68246	75.887	ug/l	96
17) Carbon Disulfide	4.03	76	94739	16.717	ug/l	99
18) Methyl Acetate	4.29	43	45292	16.057	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	110965	17.107	ug/l	94
20) Methylene Chloride	4.52	84	36574	15.856	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	36552	17.284	ug/l	84
22) Diisopropyl ether	5.91	45	101160	16.647	ug/l #	94
23) Vinyl Acetate	5.86	43	389486	82.781	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	62640	16.870	ug/l	96
25) 2-Butanone	6.80	43	101683	74.355	ug/l #	86
26) 2,2-Dichloropropane	6.79	77	59871	16.772	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	42461	17.457	ug/l	86
28) Bromochloromethane	7.17	49	29791	20.074	ug/l #	70
29) Tetrahydrofuran	7.18	42	64563	76.305	ug/l #	86
30) Chloroform	7.35	83	66625	17.317	ug/l	99
31) Cyclohexane	7.63	56	58643	16.413	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	61390	17.258	ug/l	95
36) 1,1-Dichloropropene	7.77	75	49635	17.413	ug/l	96
37) Ethyl Acetate	6.90	43	41423	15.494	ug/l #	96
38) Carbon Tetrachloride	7.75	117	54724	17.649	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	61474	17.491	ug/l	91
40) Benzene	8.02	78	146836	17.273	ug/l	100
41) Methacrylonitrile	7.16	41	23623m	17.940	ug/l	
42) 1,2-Dichloroethane	8.10	62	50614	17.561	ug/l	96
43) Isopropyl Acetate	8.14	43	73308	15.942	ug/l #	93
44) Trichloroethene	8.82	130	42905	18.488	ug/l	92
45) 1,2-Dichloropropane	9.10	63	36849	17.517	ug/l	98
46) Dibromomethane	9.19	93	26108	17.595	ug/l	90
47) Bromodichloromethane	9.39	83	53634	17.936	ug/l	98
48) Methyl methacrylate	9.18	41	33157	16.120	ug/l	91
49) 1,4-Dioxane	9.18	88	13410	356.142	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	211602	79.604	ug/l	94
52) Toluene	10.14	92	94021	17.510	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	57139	17.113	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	61775	17.584	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	36756	17.283	ug/l	98
56) Ethyl methacrylate	10.42	69	53825	16.564	ug/l	91
57) 1,3-Dichloropropane	10.70	76	60617	17.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	91882	93.875	ug/l #	89
59) 2-Hexanone	10.74	43	152439	77.842	ug/l	94
60) Dibromochloromethane	10.89	129	42498	17.548	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39059	17.523	ug/l	100
64) Tetrachloroethene	10.62	164	40841	16.985	ug/l	94
65) Chlorobenzene	11.43	112	102497	17.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40062	17.879	ug/l	99
67) Ethyl Benzene	11.50	91	183390	17.421	ug/l	97
68) m/p-Xylenes	11.62	106	141637	35.619	ug/l	92
69) o-Xylene	11.94	106	68048	17.480	ug/l	95
70) Styrene	11.96	104	112611	17.287	ug/l	97
71) Bromoform	12.12	173	31064	17.308	ug/l #	99
73) Isopropylbenzene	12.25	105	182405	17.656	ug/l	100
74) N-amyl acetate	12.07	43	62596	15.615	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	50822	16.969	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46319m	19.539	ug/l	
77) Bromobenzene	12.52	156	46588	17.808	ug/l	80
78) n-propylbenzene	12.59	91	202567	17.469	ug/l	96
79) 2-Chlorotoluene	12.67	91	119209	17.281	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	153221	17.635	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17428	15.788	ug/l	92
82) 4-Chlorotoluene	12.77	91	120131	17.363	ug/l	94
83) tert-Butylbenzene	12.99	119	134009	17.834	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	152030	17.687	ug/l	98
85) sec-Butylbenzene	13.17	105	174509	17.676	ug/l	99
86) p-Isopropyltoluene	13.28	119	160269	17.544	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	80257	17.660	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	80316	17.716	ug/l	97
89) n-Butylbenzene	13.61	91	135700	17.422	ug/l	98
90) Hexachloroethane	13.87	117	29439	17.224	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	79453	17.685	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10783	15.326	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47735	17.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	27515	18.496	ug/l	99
95) Naphthalene	15.13	128	123510	16.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45868	17.456	ug/l	99

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

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