

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020620\
 Data File : VN060009.D
 Acq On : 6 Feb 2020 11:53
 Operator : JC/MD
 Sample : VN0206WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 1:44:38 PM

Quant Time: Feb 06 18:01:15 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	175572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	273580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	250931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	105024	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.56	113	85954	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.08	98	320989	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	117409	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33550	15.851	ug/l	98
3) Chloromethane	2.04	50	33997	16.913	ug/l	99
4) Vinyl Chloride	2.17	62	44160	19.201	ug/l	100
5) Bromomethane	2.55	94	25854	18.420	ug/l	100
6) Chloroethane	2.69	64	20449	18.794	ug/l	93
7) Trichlorofluoromethane	3.00	101	51618	18.689	ug/l	98
8) Diethyl Ether	3.38	74	20607	21.260	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31810	20.693	ug/l	94
10) Methyl Iodide	3.93	142	39972	16.087	ug/l	97
11) Tert butyl alcohol	4.73	59	34083	103.838	ug/l	99
12) 1,1-Dichloroethene	3.72	96	29285	18.231	ug/l	92
13) Acrolein	3.58	56	13600	58.532	ug/l	95
14) Allyl chloride	4.29	41	45287	20.917	ug/l #	89
15) Acrylonitrile	4.95	53	81386	108.699	ug/l	99
16) Acetone	3.78	43	90459	131.272	ug/l	97
17) Carbon Disulfide	4.03	76	70232	15.348	ug/l	99
18) Methyl Acetate	4.29	43	51140	22.455	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	114915	21.942	ug/l	95
20) Methylene Chloride	4.52	84	36386	19.846	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	31654	18.539	ug/l	93
22) Diisopropyl ether	5.91	45	106215	21.648	ug/l	93
23) Vinyl Acetate	5.86	43	395183	104.027	ug/l	96
24) 1,1-Dichloroethane	5.82	63	61081	20.374	ug/l	96
25) 2-Butanone	6.80	43	118479	107.304	ug/l	93
26) 2,2-Dichloropropane	6.80	77	58343	20.242	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	40372	20.557	ug/l	89
28) Bromochloromethane	7.17	49	23869	19.920	ug/l #	80
29) Tetrahydrofuran	7.18	42	71236	104.275	ug/l	88
30) Chloroform	7.35	83	66566	21.429	ug/l	99
31) Cyclohexane	7.63	56	51191	17.745	ug/l #	85
32) 1,1,1-Trichloroethane	7.54	97	59646	20.767	ug/l	95
36) 1,1-Dichloropropene	7.77	75	44949	18.867	ug/l	95
37) Ethyl Acetate	6.90	43	47031	21.048	ug/l	98
38) Carbon Tetrachloride	7.75	117	51725	19.959	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	53608	18.249	ug/l	95
40) Benzene	8.02	78	140072	19.714	ug/l	99
41) Methacrylonitrile	7.15	41	20353m	18.492	ug/l	
42) 1,2-Dichloroethane	8.10	62	53364	22.151	ug/l	98
43) Isopropyl Acetate	8.14	43	79641	20.721	ug/l	95
44) Trichloroethene	8.82	130	39986	20.615	ug/l	95
45) 1,2-Dichloropropane	9.10	63	37098	21.100	ug/l	98
46) Dibromomethane	9.19	93	26936	21.718	ug/l	94
47) Bromodichloromethane	9.39	83	53422	21.375	ug/l	98
48) Methyl methacrylate	9.18	41	33760	19.637	ug/l	90
49) 1,4-Dioxane	9.18	88	14121	448.687	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	237148	106.738	ug/l	96
52) Toluene	10.14	92	90975	20.271	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	59847	21.445	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	63509	21.629	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	38653	21.745	ug/l	95
56) Ethyl methacrylate	10.42	69	54038	19.896	ug/l	96
57) 1,3-Dichloropropane	10.70	76	62643	22.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	88489	108.166	ug/l	91
59) 2-Hexanone	10.74	43	176291	107.705	ug/l	95
60) Dibromochloromethane	10.89	129	44089	21.781	ug/l	100
61) 1,2-Dibromoethane	11.00	107	39345	21.119	ug/l	98
64) Tetrachloroethene	10.62	164	43062	21.056	ug/l	96
65) Chlorobenzene	11.43	112	100427	20.362	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40312	21.153	ug/l	99
67) Ethyl Benzene	11.51	91	177663	19.843	ug/l	98
68) m/p-Xylenes	11.62	106	133322	39.420	ug/l	95
69) o-Xylene	11.94	106	65053	19.647	ug/l	98
70) Styrene	11.96	104	105671	19.072	ug/l	98
71) Bromoform	12.12	173	32003	20.964	ug/l #	97
73) Isopropylbenzene	12.25	105	177606	20.342	ug/l	99
74) N-amyl acetate	12.06	43	68303	20.160	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	54313	21.458	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	47598m	23.757	ug/l	
77) Bromobenzene	12.52	156	45767	20.699	ug/l	84
78) n-propylbenzene	12.59	91	199740	20.382	ug/l	99
79) 2-Chlorotoluene	12.67	91	118677	20.356	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	148856	20.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18743	20.090	ug/l	96
82) 4-Chlorotoluene	12.77	91	123079	21.048	ug/l	98
83) tert-Butylbenzene	12.99	119	128834	20.286	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	148014	20.375	ug/l	99
85) sec-Butylbenzene	13.17	105	170029	20.378	ug/l	100
86) p-Isopropyltoluene	13.29	119	156065	20.214	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	80024	20.835	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78163	20.400	ug/l	98
89) n-Butylbenzene	13.61	91	135074	20.519	ug/l	98
90) Hexachloroethane	13.87	117	28630	19.820	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	79086	20.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11872	20.625	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47422	20.785	ug/l	100
94) Hexachlorobutadiene	15.01	225	26157	20.804	ug/l	99
95) Naphthalene	15.13	128	132952	20.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46729	21.042	ug/l	98

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

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