

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060301.D
 Acq On : 2 Mar 2020 11:02
 Operator : JC/MD
 Sample : VN0302WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:27 AM

Quant Time: Mar 03 05:58:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	218338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	353589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	326127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137951	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	7.56	113	93848	57.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.36%	
50) Toluene-d8	10.08	98	399107	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	147751	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36487	18.227	ug/l	98
3) Chloromethane	2.04	50	62391	17.902	ug/l	97
4) Vinyl Chloride	2.16	62	52633	17.609	ug/l	100
5) Bromomethane	2.55	94	20451	15.332	ug/l	94
6) Chloroethane	2.69	64	29159	18.005	ug/l	95
7) Trichlorofluoromethane	3.00	101	69445	18.185	ug/l	100
8) Diethyl Ether	3.38	74	27075	18.778	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40056	18.534	ug/l	99
10) Methyl Iodide	3.93	142	36151	18.328	ug/l	99
11) Tert butyl alcohol	4.73	59	38452	92.442	ug/l	100
12) 1,1-Dichloroethene	3.72	96	40671	19.342	ug/l	99
13) Acrolein	3.58	56	35243	90.820	ug/l	100
14) Allyl chloride	4.29	41	66697	17.245	ug/l	89
15) Acrylonitrile	4.94	53	102541	93.526	ug/l	99
16) Acetone	3.78	43	81962	90.603	ug/l	99
17) Carbon Disulfide	4.03	76	104300	18.290	ug/l	98
18) Methyl Acetate	4.29	43	52647	17.439	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	141828	18.623	ug/l	99
20) Methylene Chloride	4.52	84	45138	18.169	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	43673	19.115	ug/l	99
22) Diisopropyl ether	5.91	45	151176	19.297	ug/l	98
23) Vinyl Acetate	5.86	43	600813	96.512	ug/l	99
24) 1,1-Dichloroethane	5.82	63	84084	18.961	ug/l	99
25) 2-Butanone	6.80	43	136147	93.176	ug/l	99
26) 2,2-Dichloropropane	6.80	77	75728	18.758	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	50551	17.548	ug/l	99
28) Bromochloromethane	7.17	49	33659	18.486	ug/l	100
29) Tetrahydrofuran	7.18	42	94221	92.730	ug/l	99
30) Chloroform	7.35	83	83321	18.874	ug/l	98
31) Cyclohexane	7.63	56	76936	19.513	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	73837	18.878	ug/l	99
36) 1,1-Dichloropropene	7.77	75	61708	18.312	ug/l	99
37) Ethyl Acetate	6.89	43	60143	18.849	ug/l	100
38) Carbon Tetrachloride	7.75	117	61034	18.602	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	73741	18.559	ug/l	97
40) Benzene	8.02	78	183684	18.728	ug/l	100
41) Methacrylonitrile	7.15	41	27297m	18.527	ug/l	
42) 1,2-Dichloroethane	8.10	62	67394	19.041	ug/l	99
43) Isopropyl Acetate	8.14	43	106231	19.017	ug/l	99
44) Trichloroethene	8.82	130	50511	18.491	ug/l	98
45) 1,2-Dichloropropane	9.10	63	50075	19.527	ug/l	98
46) Dibromomethane	9.19	93	31178	18.737	ug/l	98
47) Bromodichloromethane	9.38	83	64272	18.992	ug/l	100
48) Methyl methacrylate	9.18	41	46123	18.106	ug/l	97
49) 1,4-Dioxane	9.18	88	13704	382.551	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	295744	93.376	ug/l	100
52) Toluene	10.14	92	114743	18.624	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	75546	18.218	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	81849	19.048	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45250	18.263	ug/l	98
56) Ethyl methacrylate	10.42	69	66518	18.687	ug/l	97
57) 1,3-Dichloropropane	10.70	76	78070	19.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	174304	93.628	ug/l	99
59) 2-Hexanone	10.74	43	215174	92.530	ug/l	99
60) Dibromochloromethane	10.89	129	47700	18.931	ug/l	99
61) 1,2-Dibromoethane	10.99	107	45406	18.799	ug/l	96
64) Tetrachloroethene	10.62	164	53880	20.139	ug/l	99
65) Chlorobenzene	11.43	112	119436	18.137	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	46140	18.949	ug/l	98
67) Ethyl Benzene	11.50	91	224047	18.682	ug/l	99
68) m/p-Xylenes	11.61	106	165945	36.676	ug/l	99
69) o-Xylene	11.94	106	79747	18.483	ug/l	99
70) Styrene	11.96	104	128336	18.091	ug/l	99
71) Bromoform	12.12	173	32571	18.561	ug/l #	99
73) Isopropylbenzene	12.24	105	217252	18.761	ug/l	100
74) N-amyl acetate	12.06	43	92722	18.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	58958	18.730	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	57238m	16.698	ug/l	
77) Bromobenzene	12.52	156	51716	18.219	ug/l	98
78) n-propylbenzene	12.59	91	252205	18.580	ug/l	99
79) 2-Chlorotoluene	12.67	91	147403	18.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	184256	18.899	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22760	18.329	ug/l #	88
82) 4-Chlorotoluene	12.77	91	152300	18.117	ug/l	99
83) tert-Butylbenzene	12.99	119	155003	18.362	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	183507	18.647	ug/l	99
85) sec-Butylbenzene	13.17	105	210468	18.619	ug/l	100
86) p-Isopropyltoluene	13.28	119	190362	18.195	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	93175	18.985	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	92778	18.916	ug/l	99
89) n-Butylbenzene	13.61	91	173854	18.102	ug/l	99
90) Hexachloroethane	13.87	117	26558	17.537	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	88317	17.756	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12749	17.885	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59438	18.862	ug/l	99
94) Hexachlorobutadiene	15.01	225	29305	19.826	ug/l	99
95) Naphthalene	15.13	128	165899	17.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56647	18.919	ug/l	99

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

