

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060546.D
 Acq On : 17 Mar 2020 11:05
 Operator : JC/MD
 Sample : VN0317WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:34:54 PM

Quant Time: Mar 18 06:59:07 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	210876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	342634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131268	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.56	113	99510	62.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.14%	
50) Toluene-d8	10.08	98	386840	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	142385	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27672	14.313	ug/l	99
3) Chloromethane	2.04	50	52624	15.633	ug/l	98
4) Vinyl Chloride	2.16	62	41312	14.311	ug/l	98
5) Bromomethane	2.54	94	19374	14.990	ug/l	99
6) Chloroethane	2.69	64	26342	16.841	ug/l	96
7) Trichlorofluoromethane	3.00	101	61212	16.596	ug/l	100
8) Diethyl Ether	3.38	74	25341	18.197	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37599	18.012	ug/l	99
10) Methyl Iodide	3.93	142	26691	14.011	ug/l	99
11) Tert butyl alcohol	4.72	59	37966	94.503	ug/l	98
12) 1,1-Dichloroethene	3.71	96	35879	17.660	ug/l	99
13) Acrolein	3.58	56	31243	83.362	ug/l	99
14) Allyl chloride	4.29	41	64144	17.172	ug/l	96
15) Acrylonitrile	4.94	53	107223	101.257	ug/l	99
16) Acetone	3.78	43	102071	116.825	ug/l	99
17) Carbon Disulfide	4.03	76	82054	14.766	ug/l	98
18) Methyl Acetate	4.29	43	57563	19.742	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	138867	18.879	ug/l	97
20) Methylene Chloride	4.52	84	42114	17.551	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	38012	17.184	ug/l	98
22) Diisopropyl ether	5.91	45	152294	20.128	ug/l	98
23) Vinyl Acetate	5.86	43	591386	98.360	ug/l	98
24) 1,1-Dichloroethane	5.81	63	82570	19.278	ug/l	99
25) 2-Butanone	6.80	43	150338	106.528	ug/l	99
26) 2,2-Dichloropropane	6.79	77	71744	18.400	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47715	17.149	ug/l	97
28) Bromochloromethane	7.17	49	34399	19.561	ug/l	92
29) Tetrahydrofuran	7.18	42	97235	99.083	ug/l	97
30) Chloroform	7.35	83	80393	18.855	ug/l	100
31) Cyclohexane	7.63	56	69052	18.035	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	66728	17.664	ug/l	98
36) 1,1-Dichloropropene	7.77	75	55600	17.027	ug/l	99
37) Ethyl Acetate	6.89	43	62931	20.353	ug/l	99
38) Carbon Tetrachloride	7.75	117	52592	16.542	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	63258	16.430	ug/l	97
40) Benzene	8.02	78	175623	18.478	ug/l	99
41) Methacrylonitrile	7.14	41	27787m	19.463	ug/l	
42) 1,2-Dichloroethane	8.10	62	62894	18.338	ug/l	99
43) Isopropyl Acetate	8.14	43	105876	19.559	ug/l	99
44) Trichloroethene	8.82	130	46083	17.409	ug/l	98
45) 1,2-Dichloropropane	9.10	63	49381	19.872	ug/l	99
46) Dibromomethane	9.19	93	29196	18.107	ug/l	98
47) Bromodichloromethane	9.39	83	62101	18.937	ug/l	97
48) Methyl methacrylate	9.18	41	45690	18.510	ug/l	98
49) 1,4-Dioxane	9.18	88	12291	354.077	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	309229	100.755	ug/l	99
52) Toluene	10.14	92	106309	17.806	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	71416	17.773	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	77887	18.706	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	43601	18.160	ug/l	99
56) Ethyl methacrylate	10.42	69	64768	18.777	ug/l	95
57) 1,3-Dichloropropane	10.70	76	74640	19.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	169597	94.012	ug/l	98
59) 2-Hexanone	10.74	43	220900	98.029	ug/l	100
60) Dibromochloromethane	10.89	129	45552	18.656	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41776	17.849	ug/l	100
64) Tetrachloroethene	10.62	164	43983	17.111	ug/l	99
65) Chlorobenzene	11.43	112	111131	17.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42929	18.570	ug/l	99
67) Ethyl Benzene	11.50	91	206331	18.122	ug/l	99
68) m/p-Xylenes	11.61	106	151167	35.190	ug/l	99
69) o-Xylene	11.94	106	74431	18.170	ug/l	98
70) Styrene	11.96	104	118313	17.567	ug/l	100
71) Bromoform	12.12	173	30483	18.296	ug/l #	98
73) Isopropylbenzene	12.24	105	199752	18.827	ug/l	99
74) N-amyl acetate	12.06	43	87372	18.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61213	21.225	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55308m	17.611	ug/l	
77) Bromobenzene	12.52	156	47216	18.155	ug/l	96
78) n-propylbenzene	12.59	91	229456	18.450	ug/l	99
79) 2-Chlorotoluene	12.67	91	137857	18.858	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	165117	18.484	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21899	19.248	ug/l #	85
82) 4-Chlorotoluene	12.77	91	142377	18.485	ug/l	97
83) tert-Butylbenzene	12.99	119	141168	18.253	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	165813	18.390	ug/l	99
85) sec-Butylbenzene	13.17	105	189425	18.290	ug/l	99
86) p-Isopropyltoluene	13.28	119	167123	17.434	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	83656	18.601	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	83142	18.494	ug/l	99
89) n-Butylbenzene	13.61	91	151364	17.201	ug/l	99
90) Hexachloroethane	13.87	117	23785	17.142	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	79771	17.505	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12105	18.535	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48052	16.654	ug/l	98
94) Hexachlorobutadiene	15.01	225	25909	19.111	ug/l	97
95) Naphthalene	15.13	128	134796	15.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47200	17.189	ug/l	98

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

