

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061042.D
 Acq On : 17 Apr 2020 11:57
 Operator : JC/MD
 Sample : VN0417WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:20:16 AM

Quant Time: Apr 20 02:46:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	175957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	290424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	262060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108818	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.56	113	85572	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.08	98	307190	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.39	95	121583	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44243	19.250	ug/l	99
3) Chloromethane	2.04	50	57156	18.315	ug/l	99
4) Vinyl Chloride	2.17	62	49423	19.057	ug/l	99
5) Bromomethane	2.55	94	24560	18.884	ug/l	99
6) Chloroethane	2.69	64	29620	19.799	ug/l	97
7) Trichlorofluoromethane	3.00	101	64277	19.908	ug/l	96
8) Diethyl Ether	3.38	74	24946	19.440	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37399	19.743	ug/l	99
10) Methyl Iodide	3.93	142	35753	21.394	ug/l	98
11) Tert butyl alcohol	4.72	59	30895	77.347	ug/l	99
12) 1,1-Dichloroethene	3.71	96	37525	19.488	ug/l	99
13) Acrolein	3.57	56	25129	74.510	ug/l	100
14) Allyl chloride	4.29	41	67538	18.538	ug/l	98
15) Acrylonitrile	4.94	53	98857	91.280	ug/l	98
16) Acetone	3.78	43	94358	95.225	ug/l	97
17) Carbon Disulfide	4.03	76	115739	19.209	ug/l	99
18) Methyl Acetate	4.28	43	57292	18.438	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	129529	19.292	ug/l	98
20) Methylene Chloride	4.52	84	41946	19.388	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	40340	19.587	ug/l	98
22) Diisopropyl ether	5.91	45	145175	19.186	ug/l	98
23) Vinyl Acetate	5.85	43	556008	93.706	ug/l	100
24) 1,1-Dichloroethane	5.81	63	79077	19.350	ug/l	99
25) 2-Butanone	6.80	43	134692	88.706	ug/l	98
26) 2,2-Dichloropropane	6.79	77	68755	20.206	ug/l	98
27) cis-1,2-Dichloroethene	6.79	96	45512	19.249	ug/l	100
28) Bromochloromethane	7.17	49	35032	18.675	ug/l	98
29) Tetrahydrofuran	7.17	42	88692	86.039	ug/l	98
30) Chloroform	7.34	83	73958	19.402	ug/l	98
31) Cyclohexane	7.63	56	78997	18.838	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	65343	19.818	ug/l	100
36) 1,1-Dichloropropene	7.77	75	58907	19.656	ug/l	99
37) Ethyl Acetate	6.89	43	58203	17.886	ug/l	100
38) Carbon Tetrachloride	7.75	117	50424	20.214	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	72106	20.125	ug/l	100
40) Benzene	8.02	78	174016	19.572	ug/l	100
41) Methacrylonitrile	7.13	41	23284	17.154	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60182	19.870	ug/l	99
43) Isopropyl Acetate	8.14	43	98006	18.518	ug/l	99
44) Trichloroethene	8.81	130	43867	19.636	ug/l	97
45) 1,2-Dichloropropane	9.10	63	46617	19.412	ug/l	98
46) Dibromomethane	9.19	93	27670	19.985	ug/l	99
47) Bromodichloromethane	9.38	83	57908	19.798	ug/l	100
48) Methyl methacrylate	9.18	41	43099	18.427	ug/l	99
49) 1,4-Dioxane	9.17	88	11206	354.056	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	279349	91.561	ug/l	100
52) Toluene	10.14	92	105032	19.692	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	67254	19.795	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	73388	19.797	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39009	19.326	ug/l	96
56) Ethyl methacrylate	10.42	69	60566	19.082	ug/l	99
57) 1,3-Dichloropropane	10.69	76	70514	19.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	128030	88.770	ug/l	99
59) 2-Hexanone	10.74	43	198808	90.356	ug/l	99
60) Dibromochloromethane	10.89	129	42035	20.273	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40068	19.481	ug/l	99
64) Tetrachloroethene	10.62	164	41256	20.573	ug/l	97
65) Chlorobenzene	11.42	112	105990	19.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	38538	19.911	ug/l	99
67) Ethyl Benzene	11.50	91	201100	19.762	ug/l	99
68) m/p-Xylenes	11.61	106	145746	39.630	ug/l	100
69) o-Xylene	11.94	106	70431	19.918	ug/l	100
70) Styrene	11.96	104	113356	19.913	ug/l	100
71) Bromoform	12.12	173	28169	19.498	ug/l #	99
73) Isopropylbenzene	12.24	105	190164	19.873	ug/l	99
74) N-amyl acetate	12.06	43	82251	18.484	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55609	19.038	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48785m	18.569	ug/l	
77) Bromobenzene	12.52	156	44178	19.774	ug/l	96
78) n-propylbenzene	12.58	91	226649	20.245	ug/l	99
79) 2-Chlorotoluene	12.67	91	131531	20.032	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	160132	20.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19163	17.992	ug/l	98
82) 4-Chlorotoluene	12.77	91	135772	19.937	ug/l	100
83) tert-Butylbenzene	12.99	119	133604	20.086	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	159397	20.388	ug/l	99
85) sec-Butylbenzene	13.17	105	180041	19.977	ug/l	99
86) p-Isopropyltoluene	13.28	119	161482	20.121	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78334	19.674	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78273	19.541	ug/l	99
89) n-Butylbenzene	13.61	91	148162	19.853	ug/l	100
90) Hexachloroethane	13.87	117	23474	19.065	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	75327	19.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10320	18.256	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	44551	19.807	ug/l	99
94) Hexachlorobutadiene	15.00	225	23397	20.221	ug/l	99
95) Naphthalene	15.13	128	122554	18.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43033	19.853	ug/l	99

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

