

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061300.D
 Acq On : 5 May 2020 18:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 11:38:04 AM

Quant Time: May 06 06:11:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	105179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	85366	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
35) Dibromofluoromethane	7.55	113	49665	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.06	98	223541	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.38	95	85318	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	51421	46.103	ug/l	100
3) Chloromethane	2.03	50	68703	50.860	ug/l	99
4) Vinyl Chloride	2.16	62	77587	50.570	ug/l	99
5) Bromomethane	2.53	94	32405	42.728	ug/l	96
6) Chloroethane	2.67	64	48563	49.938	ug/l	99
7) Trichlorofluoromethane	2.98	101	97193	56.149	ug/l	99
8) Diethyl Ether	3.37	74	37756	52.293	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	55446	49.721	ug/l	98
10) Methyl Iodide	3.91	142	56932	39.726	ug/l	98
11) Tert butyl alcohol	4.73	59	48497	217.534	ug/l	100
12) 1,1-Dichloroethene	3.69	96	53251	47.986	ug/l	98
13) Acrolein	3.56	56	33075	222.625	ug/l	98
14) Allyl chloride	4.27	41	111530	54.203	ug/l	97
15) Acrylonitrile	4.93	53	173305	253.234	ug/l	100
16) Acetone	3.77	43	148662	230.538	ug/l	100
17) Carbon Disulfide	4.01	76	119880	39.107	ug/l	100
18) Methyl Acetate	4.27	43	92505	44.114	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	207405	48.912	ug/l	99
20) Methylene Chloride	4.50	84	62533	48.187	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	57545	47.621	ug/l	98
22) Diisopropyl ether	5.90	45	239955	50.289	ug/l	98
23) Vinyl Acetate	5.84	43	954008	248.317	ug/l	100
24) 1,1-Dichloroethane	5.80	63	122241	49.034	ug/l	99
25) 2-Butanone	6.78	43	238673	242.358	ug/l	100
26) 2,2-Dichloropropane	6.77	77	103484	49.282	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	68185	48.083	ug/l	98
28) Bromochloromethane	7.15	49	60288	51.021	ug/l	96
29) Tetrahydrofuran	7.17	42	161898	244.051	ug/l	99
30) Chloroform	7.33	83	121131	47.946	ug/l	98
31) Cyclohexane	7.61	56	105033	43.382	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	107020	48.646	ug/l	99
36) 1,1-Dichloropropene	7.75	75	88348	49.262	ug/l	99
37) Ethyl Acetate	6.88	43	105788	50.315	ug/l	99
38) Carbon Tetrachloride	7.73	117	82284	50.273	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	94884	47.176	ug/l	99
40) Benzene	8.00	78	259076	48.488	ug/l	100
41) Methacrylonitrile	7.13	41	50416	57.753	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	103229	50.998	ug/l	99
43) Isopropyl Acetate	8.12	43	174337	49.962	ug/l	99
44) Trichloroethene	8.80	130	64755	44.832	ug/l	98
45) 1,2-Dichloropropane	9.08	63	70573	49.439	ug/l	100
46) Dibromomethane	9.17	93	44959	50.868	ug/l	99
47) Bromodichloromethane	9.37	83	97635	51.466	ug/l	98
48) Methyl methacrylate	9.17	41	82550	52.427	ug/l	97
49) 1,4-Dioxane	9.17	88	13303	744.289	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	528150	257.146	ug/l	100
52) Toluene	10.12	92	159508	49.563	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	108106	50.574	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	113410	50.184	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	63994	49.851	ug/l	99
56) Ethyl methacrylate	10.40	69	103550	46.493	ug/l	99
57) 1,3-Dichloropropane	10.68	76	114221	50.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	250438	241.018	ug/l	100
59) 2-Hexanone	10.72	43	382404	255.917	ug/l	100
60) Dibromochloromethane	10.87	129	68466	50.924	ug/l	99
61) 1,2-Dibromoethane	10.98	107	63927	49.685	ug/l	98
64) Tetrachloroethene	10.60	164	61452	41.779	ug/l	99
65) Chlorobenzene	11.41	112	165279	49.062	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	61773	51.233	ug/l	99
67) Ethyl Benzene	11.48	91	313673	49.739	ug/l	100
68) m/p-Xylenes	11.60	106	228517	98.997	ug/l	97
69) o-Xylene	11.92	106	108051	48.731	ug/l	96
70) Styrene	11.94	104	187425	50.505	ug/l	99
71) Bromoform	12.10	173	46041	51.957	ug/l #	99
73) Isopropylbenzene	12.22	105	299807	49.559	ug/l	100
74) N-amyl acetate	12.04	43	149353	48.755	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	93964	49.814	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	93028m	53.622	ug/l	
77) Bromobenzene	12.50	156	68187	48.828	ug/l	98
78) n-propylbenzene	12.57	91	359427	50.092	ug/l	99
79) 2-Chlorotoluene	12.65	91	210365	49.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	253993	50.729	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	33651	49.258	ug/l	99
82) 4-Chlorotoluene	12.75	91	222273	50.004	ug/l	99
83) tert-Butylbenzene	12.97	119	209575	49.641	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	253882	49.217	ug/l	99
85) sec-Butylbenzene	13.15	105	286883	49.841	ug/l	99
86) p-Isopropyltoluene	13.26	119	256800	49.518	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	127635	49.648	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	126586	48.192	ug/l	99
89) n-Butylbenzene	13.59	91	240298	50.543	ug/l	100
90) Hexachloroethane	13.85	117	35073	62.575	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	121857	49.435	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19313	48.478	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	72420	48.246	ug/l	100
94) Hexachlorobutadiene	14.98	225	30539	48.699	ug/l	98
95) Naphthalene	15.11	128	225711	46.172	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	71117	47.987	ug/l	99

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

