

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032020\
 Data File : VN060660.D
 Acq On : 20 Mar 2020 18:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:27:11 PM

Quant Time: Mar 21 00:44:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125817	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.57	113	93013	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.08	98	374148	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.40	95	138972	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91902	49.16	ug/l	100
3) Chloromethane	2.04	50	158534	45.41	ug/l	99
4) Vinyl Chloride	2.16	62	127206	46.58	ug/l	99
5) Bromomethane	2.54	94	58440	49.58	ug/l	97
6) Chloroethane	2.68	64	76654	48.73	ug/l	98
7) Trichlorofluoromethane	3.00	101	162093	48.19	ug/l	96
8) Diethyl Ether	3.38	74	66369	49.11	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96050	49.28	ug/l	100
10) Methyl Iodide	3.93	142	82546	47.59	ug/l	99
11) Tert butyl alcohol	4.73	59	92173	236.31	ug/l	100
12) 1,1-Dichloroethene	3.72	96	98351	47.02	ug/l	97
13) Acrolein	3.58	56	89287	206.55	ug/l	99
14) Allyl chloride	4.29	41	174283	47.37	ug/l	99
15) Acrylonitrile	4.94	53	287180	250.38	ug/l	99
16) Acetone	3.78	43	226264	240.85	ug/l	98
17) Carbon Disulfide	4.03	76	297073	46.70	ug/l	100
18) Methyl Acetate	4.29	43	130181	49.23	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	342652	47.65	ug/l	97
20) Methylene Chloride	4.52	84	113472	49.10	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	106888	47.95	ug/l	96
22) Diisopropyl ether	5.91	45	387266	49.83	ug/l	99
23) Vinyl Acetate	5.86	43	1615650	254.77	ug/l	99
24) 1,1-Dichloroethane	5.82	63	209181	49.37	ug/l	99
25) 2-Butanone	6.80	43	375072	246.73	ug/l	100
26) 2,2-Dichloropropane	6.80	77	163531	49.05	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	122961	48.54	ug/l	100
28) Bromochloromethane	7.17	49	100192	49.42	ug/l	100
29) Tetrahydrofuran	7.18	42	259252	241.03	ug/l	99
30) Chloroform	7.35	83	199904	49.21	ug/l	100
31) Cyclohexane	7.63	56	196843	46.08	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	170594	48.72	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152945	49.15	ug/l	99
37) Ethyl Acetate	6.90	43	161896	48.15	ug/l	99
38) Carbon Tetrachloride	7.75	117	139430	49.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	181959	49.20	ug/l	99
40) Benzene	8.02	78	463771	49.37	ug/l	100
41) Methacrylonitrile	7.15	41	77035m	53.68	ug/l	
42) 1,2-Dichloroethane	8.10	62	161590	50.33	ug/l	100
43) Isopropyl Acetate	8.14	43	274002	49.41	ug/l	100
44) Trichloroethene	8.82	130	117458	49.60	ug/l	100
45) 1,2-Dichloropropane	9.10	63	124823	50.36	ug/l	98
46) Dibromomethane	9.19	93	77041	51.41	ug/l	99
47) Bromodichloromethane	9.39	83	158606	50.93	ug/l	98
48) Methyl methacrylate	9.18	41	124442	50.40	ug/l	100
49) 1,4-Dioxane	9.18	88	32173	1096.31	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	803999	254.79	ug/l	100
52) Toluene	10.14	92	282848	49.86	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	182769	51.09	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	194653	49.60	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	108782	49.84	ug/l	99
56) Ethyl methacrylate	10.42	69	176860	51.97	ug/l	99
57) 1,3-Dichloropropane	10.70	76	190922	50.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	427529	252.76	ug/l	100
59) 2-Hexanone	10.74	43	583013	256.48	ug/l	100
60) Dibromochloromethane	10.89	129	116406	51.63	ug/l	100
61) 1,2-Dibromoethane	11.00	107	111530	50.82	ug/l	100
64) Tetrachloroethene	10.62	164	112321	47.89	ug/l	99
65) Chlorobenzene	11.43	112	288979	48.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106307	49.69	ug/l	98
67) Ethyl Benzene	11.50	91	543755	49.48	ug/l	99
68) m/p-Xylenes	11.62	106	400868	98.17	ug/l	99
69) o-Xylene	11.94	106	192796	49.46	ug/l	99
70) Styrene	11.96	104	322405	50.57	ug/l	100
71) Bromoform	12.12	173	84102	47.39	ug/l #	100
73) Isopropylbenzene	12.25	105	513802	46.78	ug/l	99
74) N-amyl acetate	12.06	43	245073	48.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	159826	48.12	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	158395m	50.15	ug/l	
77) Bromobenzene	12.52	156	123737	46.75	ug/l	99
78) n-propylbenzene	12.59	91	611865	47.15	ug/l	99
79) 2-Chlorotoluene	12.67	91	358005	46.17	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	437084	46.89	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	56432	45.89	ug/l	97
82) 4-Chlorotoluene	12.77	91	374129	47.38	ug/l	99
83) tert-Butylbenzene	12.99	119	357962	46.33	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	436679	47.35	ug/l	99
85) sec-Butylbenzene	13.17	105	490856	47.24	ug/l	100
86) p-Isopropyltoluene	13.28	119	442893	47.40	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	222151	47.59	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	223571	47.67	ug/l	100
89) n-Butylbenzene	13.61	91	404539	47.95	ug/l	100
90) Hexachloroethane	13.87	117	61488	45.27	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	214626	48.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32426	46.59	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134807	49.18	ug/l	99
94) Hexachlorobutadiene	15.01	225	60641	45.13	ug/l	99
95) Naphthalene	15.13	128	406340	49.29	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127633	47.27	ug/l	99

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

