

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062901.D
 Acq On : 13 Aug 2020 10:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 4:49:58 PM

Quant Time: Aug 14 05:16:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	151162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	221641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	113209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	116464	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	7.54	113	78190	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.06	98	300938	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.38	95	117242	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98339	45.431	ug/l	98
3) Chloromethane	2.03	50	85260	41.740	ug/l	97
4) Vinyl Chloride	2.16	62	84949	44.340	ug/l	98
5) Bromomethane	2.50	94	70523	55.607	ug/l	99
6) Chloroethane	2.65	64	70471	55.912	ug/l	97
7) Trichlorofluoromethane	2.97	101	176468	51.655	ug/l	99
8) Diethyl Ether	3.37	74	49441	50.554	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	67246	48.785	ug/l	99
10) Methyl Iodide	3.90	142	80348	48.525	ug/l	98
11) Tert butyl alcohol	4.74	59	89399	218.205	ug/l	99
12) 1,1-Dichloroethene	3.69	96	59180	45.875	ug/l	97
13) Acrolein	3.56	56	73988	298.265	ug/l	99
14) Allyl chloride	4.27	41	108141	40.861	ug/l	98
15) Acrylonitrile	4.92	53	214199	225.411	ug/l	100
16) Acetone	3.77	43	196062	217.062	ug/l	99
17) Carbon Disulfide	4.00	76	152900	41.679	ug/l	100
18) Methyl Acetate	4.27	43	97661	45.615	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	282993	48.321	ug/l	97
20) Methylene Chloride	4.49	84	79116	47.829	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	65099	43.035	ug/l	97
22) Diisopropyl ether	5.90	45	258913	45.956	ug/l	96
23) Vinyl Acetate	5.84	43	914594	213.428	ug/l	97
24) 1,1-Dichloroethane	5.79	63	142452	43.146	ug/l	100
25) 2-Butanone	6.78	43	278123	217.405	ug/l	99
26) 2,2-Dichloropropane	6.77	77	137085	45.044	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	83680	46.114	ug/l	96
28) Bromochloromethane	7.14	49	72098	45.247	ug/l	94
29) Tetrahydrofuran	7.16	42	177579	213.665	ug/l	95
30) Chloroform	7.33	83	159529	45.466	ug/l	95
31) Cyclohexane	7.61	56	128094	42.265	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	142665	45.477	ug/l	98
36) 1,1-Dichloropropene	7.75	75	105226	46.471	ug/l	98
37) Ethyl Acetate	6.88	43	104494	44.177	ug/l	99
38) Carbon Tetrachloride	7.73	117	124918	46.645	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	133126	48.853	ug/l	97
40) Benzene	8.00	78	313103	46.338	ug/l	96
41) Methacrylonitrile	7.12	41	43998	41.222	ug/l #	80
42) 1,2-Dichloroethane	8.08	62	139735	48.589	ug/l	98
43) Isopropyl Acetate	8.12	43	177566	45.007	ug/l #	88
44) Trichloroethene	8.80	130	76836	46.675	ug/l	99
45) 1,2-Dichloropropane	9.08	63	86988	47.567	ug/l	98
46) Dibromomethane	9.17	93	58893	49.150	ug/l	97
47) Bromodichloromethane	9.37	83	134969	50.153	ug/l	98
48) Methyl methacrylate	9.17	41	88876	45.799	ug/l	98
49) 1,4-Dioxane	9.17	88	36844	1024.656	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	587497	230.150	ug/l	98
52) Toluene	10.12	92	201949	48.407	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	148436	50.144	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	150040	50.483	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	86648	48.630	ug/l	98
56) Ethyl methacrylate	10.40	69	136070	50.736	ug/l	98
57) 1,3-Dichloropropane	10.68	76	150748	49.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	163198	215.278	ug/l	99
59) 2-Hexanone	10.72	43	443035	232.668	ug/l	99
60) Dibromochloromethane	10.87	129	105020	51.650	ug/l	99
61) 1,2-Dibromoethane	10.98	107	87833	49.957	ug/l	100
64) Tetrachloroethene	10.60	164	69002	48.251	ug/l	98
65) Chlorobenzene	11.41	112	223657	48.273	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	93618	50.317	ug/l	97
67) Ethyl Benzene	11.48	91	412210	49.718	ug/l	98
68) m/p-Xylenes	11.59	106	310097	103.035	ug/l	96
69) o-Xylene	11.92	106	147289	52.222	ug/l	98
70) Styrene	11.94	104	263457	53.142	ug/l	98
71) Bromoform	12.10	173	74906	49.206	ug/l #	100
73) Isopropylbenzene	12.22	105	414900	48.671	ug/l	99
74) N-amyl acetate	12.05	43	161856	46.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	132380	44.114	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	132194m	43.298	ug/l	
77) Bromobenzene	12.50	156	101780	48.053	ug/l	93
78) n-propylbenzene	12.57	91	489481	48.916	ug/l	100
79) 2-Chlorotoluene	12.65	91	297341	47.384	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	376927	50.967	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	46603	46.597	ug/l	97
82) 4-Chlorotoluene	12.75	91	314568	48.645	ug/l	99
83) tert-Butylbenzene	12.97	119	311084	49.711	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	374370	52.914	ug/l	99
85) sec-Butylbenzene	13.15	105	417204	50.769	ug/l	100
86) p-Isopropyltoluene	13.26	119	384985	52.778	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	184282	48.702	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	184735	48.676	ug/l	99
89) n-Butylbenzene	13.59	91	316211	51.256	ug/l	100
90) Hexachloroethane	13.85	117	69762	44.369	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	177626	50.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	29423	45.671	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	90183	47.512	ug/l	98
94) Hexachlorobutadiene	14.98	225	59726	53.602	ug/l	97
95) Naphthalene	15.10	128	231297	44.856	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	90938	48.514	ug/l	99

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

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