

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064935.D
 Acq On : 7 Dec 2020 10:30
 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
 12/8/2020 5:03:59 PM

Quant Time: Dec 08 07:21:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	216228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	328063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	300087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	118156	47.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.00%
35) Dibromofluoromethane	7.54	113	103681	52.82	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.64%
50) Toluene-d8	10.06	98	399399	49.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.60%
62) 4-Bromofluorobenzene	12.37	95	142141	49.52	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76945	41.059	ug/l	98
3) Chloromethane	2.04	50	97951	40.222	ug/l	99
4) Vinyl Chloride	2.17	62	109632	43.180	ug/l	97
5) Bromomethane	2.53	94	71652	43.015	ug/l	96
6) Chloroethane	2.67	64	70294	44.763	ug/l	98
7) Trichlorofluoromethane	2.99	101	160576	45.753	ug/l	100
8) Diethyl Ether	3.37	74	63672	45.962	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	99832	47.418	ug/l	98
10) Methyl Iodide	3.90	142	114687	41.997	ug/l	98
11) Tert butyl alcohol	4.74	59	79058	201.662	ug/l	100
12) 1,1-Dichloroethene	3.69	96	95369	45.484	ug/l	96
13) Acrolein	3.56	56	69979	292.237	ug/l	99
14) Allyl chloride	4.27	41	158742	45.902	ug/l	98
15) Acrylonitrile	4.93	53	244999	226.223	ug/l	99
16) Acetone	3.78	43	220525	266.865	ug/l	98
17) Carbon Disulfide	4.00	76	230839	42.640	ug/l	99
18) Methyl Acetate	4.28	43	117228	47.184	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	327257	48.664	ug/l	98
20) Methylene Chloride	4.50	84	115214	44.494	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	105691	45.391	ug/l	99
22) Diisopropyl ether	5.90	45	341492	49.334	ug/l	98
23) Vinyl Acetate	5.84	43	1359262	245.559	ug/l	99
24) 1,1-Dichloroethane	5.79	63	198056	47.876	ug/l	99
25) 2-Butanone	6.78	43	327255	244.300	ug/l	96
26) 2,2-Dichloropropane	6.77	77	170430	47.501	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	126309	48.207	ug/l	98
28) Bromochloromethane	7.15	49	90887	48.025	ug/l	97
29) Tetrahydrofuran	7.16	42	202136	218.599	ug/l	99
30) Chloroform	7.33	83	204764	47.998	ug/l	97
31) Cyclohexane	7.61	56	150314	42.902	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	174615	47.657	ug/l	99
36) 1,1-Dichloropropene	7.75	75	150092	49.359	ug/l	99
37) Ethyl Acetate	6.88	43	131284	44.820	ug/l	100
38) Carbon Tetrachloride	7.73	117	153158	48.407	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	145929	44.580	ug/l	98
40) Benzene	8.00	78	453923	48.714	ug/l	99
41) Methacrylonitrile	7.12	41	63000	46.613	ug/l	90
42) 1,2-Dichloroethane	8.08	62	148916	47.374	ug/l	100
43) Isopropyl Acetate	8.12	43	218636	46.387	ug/l #	91
44) Trichloroethene	8.80	130	130792	47.572	ug/l	97
45) 1,2-Dichloropropane	9.08	63	122983	50.965	ug/l	99
46) Dibromomethane	9.17	93	78950	48.973	ug/l	97
47) Bromodichloromethane	9.37	83	162686	50.154	ug/l	99
48) Methyl methacrylate	9.16	41	109259	48.512	ug/l	98
49) 1,4-Dioxane	9.16	88	37827	888.648	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	667285	235.821	ug/l	100
52) Toluene	10.12	92	287052	50.022	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	176550	48.867	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	195127	50.387	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	117056	49.606	ug/l	97
56) Ethyl methacrylate	10.40	69	166081	51.003	ug/l	99
57) 1,3-Dichloropropane	10.68	76	194258	49.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	443430	247.559	ug/l	100
59) 2-Hexanone	10.72	43	498281	244.682	ug/l	99
60) Dibromochloromethane	10.87	129	135566	51.683	ug/l	98
61) 1,2-Dibromoethane	10.97	107	118140	49.278	ug/l	100
64) Tetrachloroethene	10.60	164	133311	45.661	ug/l	98
65) Chlorobenzene	11.40	112	318296	49.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	121172	51.164	ug/l	100
67) Ethyl Benzene	11.48	91	543458	50.481	ug/l	100
68) m/p-Xylenes	11.59	106	425353	104.357	ug/l	98
69) o-Xylene	11.92	106	203045	52.495	ug/l	99
70) Styrene	11.94	104	352498	53.985	ug/l	98
71) Bromoform	12.10	173	93586	49.475	ug/l #	98
73) Isopropylbenzene	12.22	105	528945	51.005	ug/l	99
74) N-amyl acetate	12.04	43	197092	48.293	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	146032	48.043	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	155416m	48.404	ug/l	
77) Bromobenzene	12.50	156	136712	48.898	ug/l	98
78) n-propylbenzene	12.56	91	597757	50.598	ug/l	99
79) 2-Chlorotoluene	12.65	91	363676	49.800	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	453365	52.596	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	55337	47.236	ug/l	97
82) 4-Chlorotoluene	12.74	91	384193	50.191	ug/l	100
83) tert-Butylbenzene	12.96	119	365635	50.606	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	459991	52.780	ug/l	99
85) sec-Butylbenzene	13.14	105	478377	49.867	ug/l	100
86) p-Isopropyltoluene	13.26	119	449729	51.493	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	245837	49.491	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	247723	47.157	ug/l	100
89) n-Butylbenzene	13.59	91	375867	49.006	ug/l	99
90) Hexachloroethane	13.85	117	78317	51.619	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	240368	49.283	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29418	43.013	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	134986	44.739	ug/l	99
94) Hexachlorobutadiene	14.98	225	66418	48.893	ug/l	99
95) Naphthalene	15.10	128	391754	43.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	126480	44.276	ug/l	99

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

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